

Boise State University
Catalog 1981-1982

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 In particular, when an instructional program is to be withdrawn, the university will make every reasonable effort to ensure that students who are within two years of completing the graduation requirements, and who are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progress toward the completion of those requirements, will have the opportunity to complete the program which is to be withdrawn.

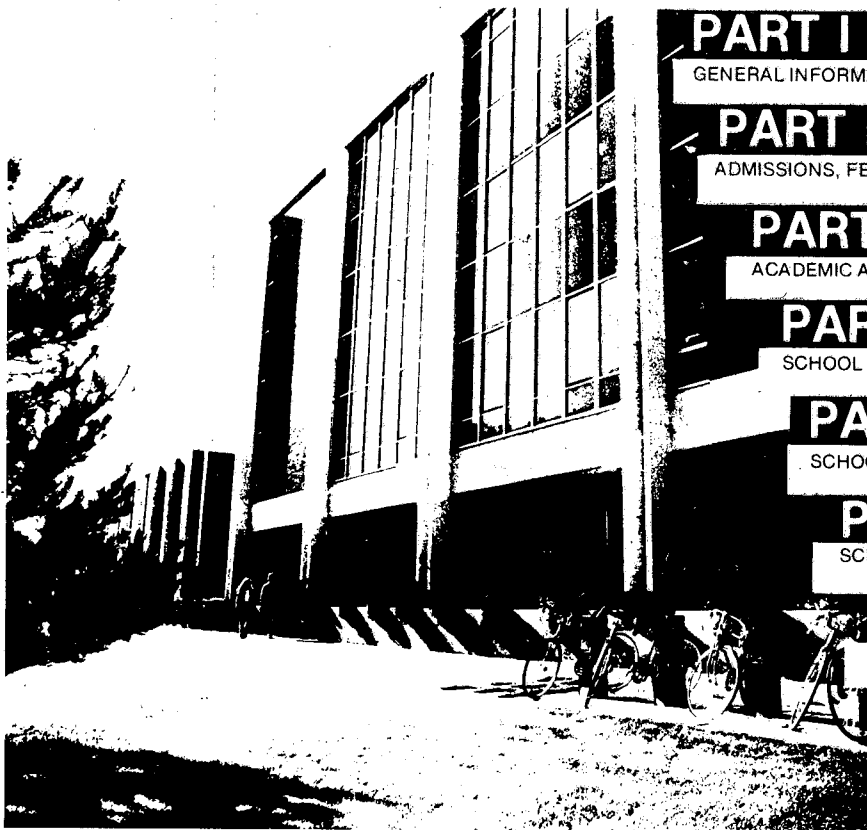
It is the policy of Boise State University to provide equal educational and employment opportunities, services, and benefits to students and employees without regard to race, color, national origin, sex, creed, age or handicap in accordance with Title VII of the Civil Rights Act of 1964, Title IX of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

Cover design: Larell J. Greenhalgh
Selected from proposals submitted by students in Advertising Design classes.

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.



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
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BOISE STATE UNIVERSITY CATALOG 1981-82

Boise State University CAMPUS MAP

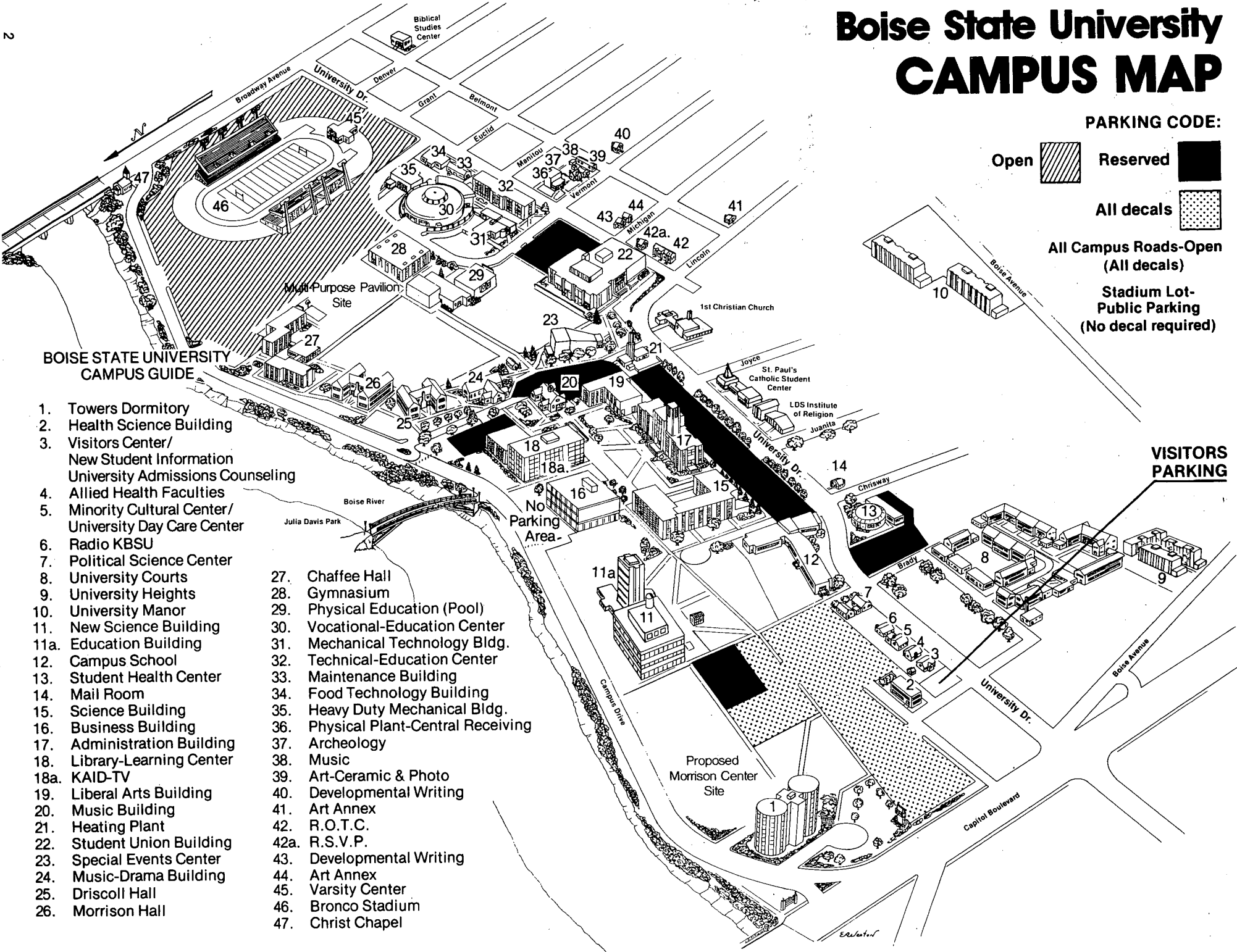
PARKING CODE:

Open  Reserved 

All decals 

All Campus Roads-Open
(All decals)

Stadium Lot-
Public Parking
(No decal required)



**BOISE STATE UNIVERSITY
CAMPUS GUIDE**

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

**VISITORS
PARKING**

CAMPUS DIRECTORY

BOISE STATE UNIVERSITY
1910 University Drive
Boise, Idaho 83725

Telephone 208/385-1011
When dialing from off-campus
add prefix 385-

Office	Bldg	Location	Phone	Office	Bldg	Location	Phone
Accounting	16	Business 214	3461	Learning Center, Vo-Tech	30	Vocational Educ	3681
Accounting Office	17	Admin 204/5	1275	Library-Learning Center	18		1204
Admissions Counseling	3	2274 University Dr	1401	Library Science	11a	Education 205	3399
Adult Basic Educ	17	Admin 103	1156	Light Technologies, Vo-Tech	30	Vocational Educ 204	3253
Affirmative Action	30	Vocational Educ	3681	Mail Service	14	2021 University Dr	1693
Ahsahta Press	16	Business 307	1979	Management & Finance	16	Business 308	1527
Allied Health Studies	19	Liberal Arts 102A	1246	Marketing & Mid-Managmt	16	Business 306	3356
Alumni Association	4	2268 University Dr	3383	Marquee Requests			1563
Anthropology	22	Student Union	1698	Mathematics	15	Science 202	1175
Arbiter (Student Paper)	18	Library 220-A	3407	Mechanical Technol, Vo-Tech	31	Mechanical Tech 109	3405
Archeology Lab	22	Student Union	1464	Medical Records Program	2	Health Sciences 210	1130
Art	37	1020 Vermont	3406	Mid-Management	16	Business 306	3356
Art Annexes	19	Liberal Arts 252	1756	Military Science	42	1603 University Dr	3500
Arts & Sciences, Sch of	39, 41, 44	(see map)	1756	Morrison Residence Hall	26		1978
Assoc Student Body (ASB)	11	Science-Educ 100	1414	Multicultural Center	5	2256 University Dr	1583
Athletics	22	Student Union	1440	Music	24	MDA 122	1773
Biology	45	Varsity Center	1526	Music Annex	38	1024 Vermont	1773
Bookstore	11	Science-Educ 221	3967	News Services	17	Admin 123	1563
Bronco Stadium	22	Student Union	1295	Nursing	11	Science-Educ 111	3900
Budget Office	46		1526	Office Admin	16	Business 213	3452
Business Educ & Off Admin	17	Admin 210	1273	Parking Control	17	Admin 118	1681
Business Office	16	Business 213	3452	Personnel Office	17	Admin 54	1616
Business, School of	17	Admin 205-B	3636	Philosophy	7	1287 Brady	1457
Campus Store	16	Business 117	1125	Physical Education	28	Gymnasium 101	1798
Career & Finan Services	22	Student Union	1295	Physical Plant	36		1375
Central Receiving	17	Admin 117	1664	Physics & Engineering	11	Science-Educ 349	1633
Chaffee Residence Hall	36	Physical Plant	1100	Political Sci & Philosophy	7	1287 Brady	1457
Chemistry	27		1259	PREED (Real Estate Educ)		Boise City Library	1493
Child Care Center	11	Science-Educ 315	3975	Pre-Professional Studies	2	Health Sciences 101	1787
Child Chapel	5	2256 University Dr	3979	President	16	Business 307	1491
Cold Drill	47		1442	Printing & Graphics Serv	30	Vocational Educ 101	1347
Communication	19	Liberal Arts 102-A	1246	Professional Develop Prog	16	Business 209	1293
Community & Envir Health	17	Admin 218	1910	Psychology	11a	Education 627	1207
Computer Center	2	Health Sciences 217	3929	Purchasing	17	Admin 213	1283
Continuing Education	16	Business 116	1433	Radiologic Technology	13	2103 University Dr	1996
Counseling & Test Center	18	Library 247	1140	Reading Educ Center	11a	Education 505	1672
Criminal Justice Admin	11a	Education 604	1601	Registrar	17	Admin 102/4/8	3486
Curriculum Resource Cntr (CRC)	18	Library 220-A	3407	Research, Grants & Contr, Center for	16	Business 319	1571
Data Processing	18	Library	3605	Respiratory Therapy Prog	4	2268 University Dr	3383
Data Processing, Center for	16	Business 214	3461	R.O.T.C.	42	1603 University Dr	3500
Day Care Center	16	Business 116	1433	R.S.V.P.	42a	1005 Michigan	1153
Development Office	5	2256 University Dr	3979	Security Control	22	Student Union	1453
Driscoll Residence Hall	16	Business 307	3276	Service Occupations, Vo-Tech	32	Technical Educ 105	3982
Economics	25		1502	Social Work	11a	Education 713	1779
Education, School of	16	Business 311	3351	Sociology, Anthro/CJA	18	Library 220-A	3407
EMS (Educ Media Serv)	11a	Education 704	1134	Special Events Center Boxoffice	23	Special Events Center	3566
Engineering	18	Library 209	3289	Student Activities Office	22	Student Union	1551
English	15	Science 212	1430	Student Advisory & Special Services	17	Admin 114	1583
English Writing Laboratory	19	Liberal Arts 228	3426	Student Health Services	13	2103 University Dr	1459
Environmental Health	19	Liberal Arts 220	1298	Student Residential Life	17	Admin 110	3986
Evening Programs	2	Health Sciences 217	3929	Student Union Information	22	Student Union	1448
Events Calendar (recorded message)	18	Library 247	1140	Student Union Scheduling	22	Student Union	1677
Executive Vice-President	16		1198	Subal Theatre	24	Music Drama Annex	1462
Finance	16	Business 307	1202	Summer Sessions	18	Library 247	1140
Focus (Newsmagazine)	16	Business 308	1527	Swimming Pool	29	Auxiliary Gymnasium	1701
Food Service	17	Admin 123	1563	Talent Search	17	Admin 111	3694
Foreign Languages & Lit	22	Student Union	1225	Teacher Educ & Libr Sci	11a	Education 205	3399
Geology & Geophysics	19	Liberal Arts 206	3956	Testing Center	11a	Education 604	1601
Graduate School Dean	15	Science 119	3629	Theatre Arts	24	Music Drama Annex 212	1406
Greenhouse	11a	Education 708	3647	Towers Residence Hall	1		3201
Health Center	1491 Oakland		3984	Transcripts (Registrar)	17	Admin 102	3486
Health Occup, Vo-Tech	13	2103 University Dr	1459	University Courts	8		3679
Health Sciences, Sch of	32	Technical Educ 205A	1441	University Heights	9		3479
Heating Plant	2	Health Sciences 101	1678	University Manor	10		3479
Heavy Technologies, Vo-Tech	21		1400	Varsity Center (Tickets)	45		1285
History	30	Vocational Educ 112	1732	Veterans Affairs	17	Admin 114	1679
Home Economics	18	Library 247	1255	Vice President for Finance	17	Admin 208	1483
Honors Program	15	Science 104	3467	Vice President for Student Affairs	17	Admin 112	1418
Housing Office	11a	Education 707	1122	Visitors Center	3	2274 University Dr	1401
KAID-TV	17	Admin 110	3986	Vocational-Technical Sch	32	Technical Educ 112	1508
KBSU Radio	18a	Library	3344	Western Writers Series	19	Liberal Arts 226	1182
Language Laboratory	6	2242 University Dr	3662				
	19	Liberal Arts 206	3593				

ADMINISTRATION

ADMINISTRATION

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BOISE STATE UNIVERSITY

CALENDAR 1981-82

SUMMER SESSION 1981

June 5, Friday	Registration in Gymnasium, 3:00 p.m. - 7:00 p.m. Foreign Language Placement Examination, LA-206, 1:00 p.m. (Students can register for all summer sessions at this time)
June 8, Monday	Classes begin for 8-week, 10-week, and first 5-week sessions.
June 19, Friday	Last day to file with department for admission to candidacy for Masters Degree - Departmental office. Last day to file application for graduation for Masters, Baccalaureate, and Two-year or less degrees, diplomas, and certificates - Registrar's Office.
July 3, Friday	Holiday
July 10, Friday	First 5-week session ends.
July 13, Monday	Classes begin for second 5-week session.
July 31, Friday	End of 8-week session.
August 14, Friday	End of 10-week session and second 5-week session.

FALL SEMESTER 1981

June 18-20, Thursday	New Student Early Registration - Student Union. To be eligible to participate, a student must submit an application and be accepted by BSU no later than June 9, 1981.
through Saturday	
July 17, Friday	Bills will be mailed to students pre-registered for Fall Semester.
August 7, Friday	Last day for pre-registered students to complete financial arrangements and pay fees for Fall Semester.
August 19, Wednesday	Last day to submit application for Fall Semester to be assured of prepared registration materials at the Priority Registration (August 28). Students submitting applications after this date will be able to register at Open Registration.
August 24, Monday	Faculty responsibilities begin with faculty orientation and course preparation activities.
August 26, Wednesday	Residence halls open (Noon). Student advising for continuing students (all day).
August 27, Thursday	Student Orientation Program - Student Union. Drop/add for pre-registered students, 12 Noon-3:00 p.m. - Gymnasium. Foreign Language Placement Examination, 2:00 p.m. - LA-206. Student advising.
August 28, Friday	Priority and Open Registration in Gymnasium (see class schedule for registration times).
August 31, Monday	Classes begin. Open Registration for evening classes only 6:30-8:00 p.m.. Administration Building.
September 1, Tuesday	Open Registration and drop/add, 9:00 a.m.-4:00 p.m. (Monday-Friday) and 6:30-8:00 p.m. (Monday-Thursday) Administration Building
September 7, Monday	Holiday
September 11, Friday	Last day to register except by petition. Last day to make class changes except with consent of instructor (4:00 p.m. close). A fifty dollar (\$50) late registration fee applies to all registration after this date
September 14, Monday	Registration by petition only, fifty dollar (\$50) late registration fee applies to all late registrations.
September 18, Friday	Last day to drop/add classes in first 8-week block.
October 2, Friday	Last day to file with department for admission to candidacy for Masters Degree - Departmental office. Last day to file application for graduation for Masters, Baccalaureate and Two-year or less degrees, diplomas, and certificates - Registrar's Office.
October 9, Friday	Last day to withdraw, make class changes or register by petition.
October 16, Friday	Mid-semester grades submitted. Notification of incompletes from previous semester. Last day to file application with department for final Masters written exam.
October 19, Monday	Second 8-week block begins.
November 4-13	Advising period for continuing (enrolled Fall 1981) students. Pre-registration period for students who have been advised.
Wednesday-Friday	
Monday-Friday (8 days)	Pre-registration materials available in Administration Building.
November 6, Friday	Last day to drop/add for second 8-week block.
November 9-10,	Advising and pre-registration for new and returning (not enrolled Fall 1981) students. To be eligible to participate a student must submit an application and be accepted by no later than November 2, 1981.
Monday-Tuesday	
November 14, Saturday	Final written exam for Masters Degree.
November 25, Wednesday	Last day for final oral and project/thesis defense.
November 26-29, Thursday	Thanksgiving (Holiday).
through Sunday	

CALENDAR

November 30, Monday	Classes resume.
December 11, Friday	Last day to submit final signed copy of Masters project/thesis with department. Bills will be mailed to students pre-registered for Spring Semester.
December 14, Monday	Classroom instruction ends.
December 15-18, Tuesday	Final Semester Examinations.
through Friday	
December 19, Saturday	Exam make-up day.
December 19, Saturday	Residence halls close (Noon).
December 21, Monday	Grade reports due to Registrar (Noon).

SPRING SEMESTER 1982

January 4, Monday	Last day for pre-registered students to complete financial arrangements and pay fees for Spring Semester.
January 4, Monday	Last day to submit application for Spring Semester to be assured of prepared registration materials at the Priority Registration (January 13). Students submitting applications after this date will be able to register at Open Registration.
January 11, Monday	Residence halls open (Noon). Faculty responsibilities begin with meetings and course preparation activities. Student advising for continuing students.
January 12, Tuesday	Student Orientation Program. Drop/add for pre-registered students - Gymnasium.
January 13, Wednesday	Foreign Language Placement Examination, 2:00 p.m., LA-206. Student advising. Priority and Open Registration in Gymnasium. (See class schedule for registration times).
January 14, Thursday	Classes begin. Open registration for evening classes only, 6:30-8:00 p.m., Administration Building.
January 15, Friday	Open Registration and drop/add 9:00 a.m.-4:00 p.m. (Monday-Friday) and 6:30-8:00 p.m., (Monday-Thursday). Administration Building.
January 22, Friday	Last day to register except by petition. Last day to make class changes except with consent of instructor (4:00 p.m. close) A fifty dollar (\$50) late registration fee applies to all registration after this date.
January 25, Monday	Registration by petition only; fifty dollar (\$50) late registration fee applies to all late registrations.
February 5, Friday	Last day to drop/add for first 8-week block. Last day to file with department for admission to candidacy for Masters Degree - Departmental office. Last day to file application for graduation for Masters, Baccalaureate, and Two-year or less degrees, diplomas, and certificates - Registrar's Office.
February 26, Friday	Last day to withdraw, make class changes or register by petition.
March 12, Friday	Mid-semester grades submitted. Notification of incompletes from previous semester. Last day to file application with department for final Masters written exam.
March 15, Monday	Second 8-week block begins.
March 22-28, Monday	Spring vacation.
through Sunday	
March 29, Monday	Classes resume.
April 2, Friday	Last day to drop/add for second 8-week block.
April 3, Saturday	Final written exam for Masters Degree.
April 5-9, Monday	Advising period for continuing (enrolled Spring 1982) students. Pre-registration period for students who have been advised. Pre-registered materials available in Administration Building.
through Friday (1 week)	
April 16, Friday	Last day for final oral and project/thesis defense.
April 30, Friday	Last day to submit final signed copy of Masters project/thesis with department.
May 7, Friday	Classroom instruction ends.
May 10-13, Monday	Final Semester Examinations.
through Thursday	
May 14, Friday	Exam make-up day.
May 14, Friday	Residence halls close (Noon).
May 16, Sunday	Commencement
May 17, Monday	Grade reports due to Registrar (Noon).

SUMMER SESSION 1982

June 4, Friday	Registration in Gymnasium, 3:00 p.m.-7:00 p.m. Foreign Language Placement Examination, LA-206, 1:00 p.m.
June 7, Monday	Classes begin for 8-week, 10-week, and first 5-week sessions.
July 5, Monday	Holiday
July 9, Friday	First 5-week session ends.
July 12, Monday	Classes begin for second 5-week session.
July 30, Friday	End of 8-week session.
August 13, Friday	End of 10-week session and second 5-week session.



General Information

Boise State University, located in the state capital, is Idaho's third and youngest university. From its beginnings under the sponsorship of the Episcopal Church in 1932, the institution has progressed from an independent non-profit academy through local and district to state control (in 1969). Recent years have seen significant growth of BSU's facilities, programs, and service to Idaho, particularly to area communities. Boise State now serves more than 12,500 students from a wide diversity of backgrounds, with the majority coming from the Treasure Valley area.

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, public administration and accounting.

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

INSTITUTIONAL MISSION AND OBJECTIVES

The paramount role of Boise State University is to educate the individual, to ensure his development, and to enlarge his opportunity. Each student needs a broad education to equip him for mobility in employment, social relevance, and informed, active citizenry. Therefore, the University must create an intellectual atmosphere that produces educated persons who are literate, knowledgeable of public affairs, motivated to become life-long learners, and capable of solving problems from the perspective of an academic discipline. The primary vehicle of education is the instructional program, and it is stressed that public service/research activities are guided by this approach. The University must also provide a variety of informal learning opportunities that enhance each student's individual growth: cooperative education/internships, self-government, participation in University committees, distinguished speakers' programs, as well as cultural, civic, and social events. Boise State also offers various individual services that reinforce instruction, including counseling, guidance, placement, testing, and health services. The University takes pride in providing a personalized and humanistic environment for students.

The University seeks to attract and retain innovative faculty who are dedicated to excellence in teaching, creative in produc-

ing new knowledge, and generous in bringing their expertise to bear on society's problems. The University supports and encourages its faculty by striving for equitable compensation, conditions of employment conducive to open inquiry, and efficient work and strong library services which are so vital to quality of instruction and self-learning.

Boise State is in every sense a community university. Not only do students and faculty live, work, and recreate with the society at large but also the resources of the University are made available to those who live near Boise and beyond. The community in turn serves the University by offering its professional, government, and trade facilities as laboratories of learning, by providing financial support and joining with the University in fostering cultural and intellectual fora in the interest of mutual development. Each of the schools has an advisory council comprised of local leaders in business, the professions, and government. In addition, the relationship between the University and the community is reflected in the University Community Arts Association, the Bronco Athletic Association, and the Alumni Association. Warm community relations is a hallmark of the University, and this bond is constantly reinforced through a continuing dialogue with the community to be served.

ACCREDITATION AND AFFILIATION

The university is a member of and fully accredited by the Northwest Association of Schools and Colleges. Permanent membership is also held in the College Entrance Examination Board and the College Scholarship Service Assembly.

A number of academic programs have additional accreditation or approval from the following organizations: American Assembly of Collegiate Schools of Business (AACSB); School of Business programs; the National Council for Accreditation of Teacher Education (NCATE), the National Association of State Directors of Teacher Education and Certification, School of Education programs; the Council on Social Work Education (CSWE); the Na-

tional Association of Schools of Music (NASM); the National League for Nursing, the Idaho State Board of Nursing; the American Medical Association Council on Allied Health Education, the Council on Medical Education of the American Medical Association in collaboration with the Joint Review Committee on Education in Radiologic Technology and the Joint Review Committee for Respiratory Therapy Education as well as the American Medical Record Association, the American Society of Radiologic Technologists and the American College of Radiology; the Council of Dental Education and the American Dental Assistant Association.

UNIVERSITY LIBRARY

The University Library contains a collection of 250,000 volumes chosen by librarians and teaching faculty to support the curricular and research needs of the University. The Library receives about 2000 current periodicals and more than 40 newspapers. The collections are 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. The Library provides study space for students at tables and individual carrels scattered throughout the book stack areas and in small study rooms. The building includes a number of features to facilitate use by handicapped students, and the staff will provide special help as appropriate.

Books and periodicals from the general collection are checked out at the main Circulation desk. Help with using microforms and microform readers or in locating periodicals may be obtained from the Periodicals area or at the main Circulation desk.

Basic and advanced bibliographic service and assistance in use of both the Library and its resources are provided by the Reference Department. The Inter-library Loan section of Reference assists faculty and students in obtaining resources not available locally.

The Curriculum Resource Center features collections of print and nonprint materials for elementary and secondary education, phonorecords, juvenile and young adult books, and college level non-print materials. Curriculum materials are available to teachers in Southwestern Idaho as well as to University students and facul-

ty. Stereo carrels provide listening facilities for phonograph records and tapes.

The Maps and Special Collections Department contains the Library's collection of 85,000 maps, University Archives (official publications, photographs, and historical records of the University), and manuscript collections (primarily unpublished correspondence, business papers, diaries, scrapbooks, and literary endeavors of people in the community).

The Documents Department contains over 100,000 publications of federal, state, and local governments on a broad range of subjects. Congressional Information Service, Human Relations Area Files, Congressional Research Service, and Rand Corporation Research Reports are other services and collections in the Documents Department which have special current information.

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

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

OUTREACH SERVICES AND PROGRAMS

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.

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 help to groups and agencies in planning educational programs or in upgrading personnel in new techniques, knowledge, and skills.

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

Use of Facilities — Boise State University will make available meeting rooms and classroom facilities to the various community groups and agencies.

Reading Education Center — Individualized reading improvement programs will be arranged for students 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, on the first floor of the Business Building, is a university-wide unit. Its primary mission is to provide computing and data processing service in support of the educational and administrative objectives of the university, and to encourage the use of data processing procedures throughout the university.

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

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

The Visiting Scientist Program — The School of Arts and Sciences has a number of faculty members who are willing to speak to high school science and mathematics classes. Each participant has prepared presentations of approximately 40 minutes 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. A booklet listing speakers is available at the News Bureau, Phone 385-1577.

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 Idaho community. Some of the events that provide opportunities of participation and observation include:

University Band
Theatre Productions

Opera Workshop
Choirs
Traveling Art Exhibits
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

Public Television is provided to residents of Treasure Valley from Boise State University licensee of station KAID-TV a non-commercial, public broadcasting station. The station produces and airs in color instructional TV programs for public education, higher education, and the community. Programs offer 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 Service, the station also produces and airs public television programs of wide cultural and public interest to the citizens of Idaho.

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 designed to make university offerings accessible to those people who are unable to attend day or evening classes.

Educational Talent Search — A satellite office of the federally-funded Talent Search program has been established in the Dean of Student Advisory and Special Services Department (Room 111, Administration Building). The program encourages and aids low income youth between the ages of fourteen and twenty-seven in gaining entrance to post-secondary training or education of their choice. The recruiter/counselor will give information and some assistance in completing the necessary admissions/application forms and in securing financial assistance.

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

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

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 Program — 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.

GENERAL INFORMATION

CONTINUING EDUCATION

Educational needs of citizens of the ten southwestern counties of Idaho are 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 Glens 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 on the BSU Campus.

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 course offerings. For more information about summer programs contact the Office of Continuing Education and Summer Sessions, Boise State University.

HONORS PROGRAM

The Honors Program is designed for general education. Its main objective is to provide a broad and comprehensive liberal arts background complementing the specialized education and training 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 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 in high school are encouraged to participate. 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/she has taken will be applied toward the General University Requirements for Graduation.

Honors Courses

Each Honors student takes special Honors courses, some of

which are expected of all those enrolled in the program. These courses are taken in lieu of, rather than in addition to, the standard requirements. The student always pursues work in his/her own major department that will prepare him/her for a professional career. The Honors Program works cooperatively with the major department to provide the opportunity and stimulus for the student to realize his/her 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

To graduate with Honors Program recognition, Honors students will take two courses in English Composition plus 18 hours of joint listed departmental Honors courses including 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 interdisciplinary colloquium which carries 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 further information can be obtained by writing:

Honors Program Director
Boise State University
Boise, ID 83725

INTERDISCIPLINARY STUDIES IN THE HUMANITIES

The Interdisciplinary Studies in the Humanities program has been created with the assistance of the National Endowment for the Humanities. The ISH is a coordinating unit in which faculty from varying disciplines and schools may participate by offering interdisciplinary team-taught courses. These courses are oriented toward the non-humanistic majors and focus on the humanistic element of the subject matter being offered. Presently, courses have been offered by over 30 faculty members representing 15 different disciplines (departments) and include faculty from the Schools of Arts and Sciences, Public Affairs, Business, and Education.

At the center of the program is a "core" humanities course, **Humanities: A View of the Nature of Man**—an interdisciplinary course offered each year. Each semester additional "satellite" courses are offered with a special topics designation. These courses are chosen on the basis of their relationship to humanistic issues raised in the core class. These courses provide faculty the opportunity to develop innovative courses which cross traditional disciplinary boundaries. They offer the students the opportunity to further investigate humanistic issues from at least two perspectives. (See p. 27 for catalog description of the core class, **Humanities: A View of the Nature of Man** and the current class schedule for satellite classes.)

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 of Idaho. To

qualify, students must be legal residents of Idaho. The number of students who can be accommodated depends upon the amount of appropriated funds 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 programs available to residents of these cooperating states.

STUDIES ABROAD PROGRAMS

The *Office of Studies Abroad*, located in the Offices of the Department of Foreign Languages, has information about opportunities for work, study, and travel outside of the United States.

Boise State University is affiliated with the Northwest Institutional Council for Studies Abroad (NICSA), a consortium of universities which since 1969 sponsors liberal arts programs in London, England; in Avignon, France; and in Cologne, Germany. Students may enroll in these programs at BSU retaining BSU course numbers.

The Office maintains files and forms essential in applying for graduate student grants for studying abroad.

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

NATIONAL STUDENT EXCHANGE PROGRAM

The National Student Exchange (NSE) Program is a consortium of 54 state-supported colleges and universities that allow students to exchange for a limit of one academic year to a state supported institution in another area of the United States. The Exchange encourages participants to broaden their academic, social, and cultural awareness and provides Boise State students with options for educational travel and study at in-state tuition rates. Exchange students are assured that credits and grades received at the host institution are recorded at the home campus as part of their regular transcript.

To qualify, a participant must (1) be a full-time Boise State University student; (2) have sophomore or junior standing during the exchange; (3) have a minimum cumulative GPA of 2.50 at the time of application.

Additional information and application forms may be obtained from the National Student Exchange Coordinator in the Student Union Building.

RESERVE OFFICERS' TRAINING CORPS — ARMY

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

Financial Allowances and Uniforms

Students who qualify and are selected receive scholarships for one, two, three, or four years that pay for tuition, fees, books and laboratory costs each year and also provide \$100 a month retainer pay for ten months each year. During the final two years all students receive \$100 subsistence pay a month for up to twenty months. Texts and equipment are provided. Travel to and from

summer camp plus food, quarters, and basic pay are paid by the government.

For more detailed information on enrollment benefits, and obligations see page 23-25 of this catalog and contact the Department of Military Science located at 1603½ University Drive, Boise State University.

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 those servicemen only 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 under whose jurisdiction that program lies.
6. No school or department shall be compelled to offer a SOC Program — such programs are voluntary

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

STUDENT SERVICES

For questions related to Student Services, please direct inquiries to:

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

A variety of student services, programs, and activities are provided to help students achieve the maximum benefit from their university experience. These services are under the direction of the Vice President for Student Affairs (Room 112, Administration Building) and include new student orientation, admissions counseling, registration, career and financial assistance, student advisory and special services, residential life programs, health services, and Student Union activities.

New Student Orientation

The office of Admissions Counseling and Visitors Center, located at 2274 University Drive, coordinates campus activities for prospective students through campus visitations, correspondence, campus tours, and on-campus orientation programs prior to each registration. Other programs include summer early registration and advising, and a Fall Preview Day.

Student Rights and Responsibilities

Students enrolling in the university assume an obligation to conduct themselves in a manner compatible with the University's function as an educational institution. The **Student Bill of Rights**; **Code of Conduct**, and policies pertaining to organizations, use of facilities, judicial boards, activities, and related matters are contained in the **Boise State University Student Handbook**. Each student, as a member of the university community, is responsible for being familiar with these policies and regulations.

Academic Advising

To assist students to plan a program of study, to define their educational and career goals, and to clarify values is one of the faculty's primary concerns during registration and follow-up individual conferences. Faculty also help students become acquainted with the campus environment, influence their attitudes toward academic life, improve their personal study skills, and work towards their academic excellence. To ensure a successful educational experience, each student should establish early in his/her freshman year a close working relationship with his/her faculty advisor, a relationship that will facilitate the student's chances of successfully staying in the university and completing his/her degree in the normal four-year period.

Tutorial Assistance

The Dean of Student Advisory and Special Services office (Room 114, Administration Building) provides additional academic assistance through student-to-student tutoring that complements classroom instruction. Any currently enrolled full or part-time student is eligible to receive tutorial assistance without charge if he/she is having a problem keeping up in a class. Student tutors are generally second year or upper division students who have completed and earned at least a "B" grade in the course they tutor. They are normally recommended by the professor of the course and are certified by their academic department. They work closely with the professor of the course they tutor and are trained to work with individuals and/or small groups of students by liaison faculty members and professional staff from the Dean of Student Advisory and Special Services office.

Reading and Study Skills

For students who need special help in reading, improving their study skills, and in career planning, the University offers a Reading and Study Skills course (TE-108) each semester for two academic credits. The course is designed to assist students at their own pace in notetaking, speed-reading, textbook study methods, vocabulary development, and test taking along with a one credit option on career planning. The course teaches a student survival in the college classroom and in many cases is the

difference between success and struggle in the university environment.

Counseling and Testing Center

Students with personal, vocational, or educational concerns or problems may receive professional assistance in the Counseling Center (6th floor, Education Building) without charge if they are enrolled in six credit hours or more. In counseling, a student may discuss openly in strictest confidence and explore freely any problems or feelings that concern him/her. No information is ever released without the written permission of the student, and no report is ever made in any official university record. Both individual and group counseling are available to aid students to become more self-reliant and effective in their personal and social relationships.

The Center is also a designated testing agency for many evaluation programs, including the College Level Examination Program (CLEP), the American College Testing (ACT), and the Miller Analogies Test (MAT). A number of standardized tests of interest, general ability, and special aptitude are available and are more useful in stimulating self-analysis than in providing answers to problems.

Disabled Student Program

The University has made special efforts for over ten years to provide facilities, services, and program accessibility to physically disabled or handicapped students and staff. All but one of the main floors in each campus building can be entered via ground-level approaches or ramps, and the upper floors of most academic or vocational technical classroom buildings are accessible by elevator. The campus itself is flat and has an abundance of curb cuts and ramps.

The Dean of Student Advisory and Special Services office (Room 114, Administration Building) authorizes handicapped parking decals for eligible students and provides information and orientation to the university, class scheduling and registration assistance, interpreter and notetaker services as well as tutorial assistance and liaison with the Boise area office of the Idaho Vocational Rehabilitation Service. The office has limited equipment available for use by disabled students such as a TTY (208) 385-1454, portable wheelchair, tape recorder, crutches, and electric typewriters for testing. The Library has a talking calculator, Visualtek, Braille typewriter, and a dictionary and encyclopedia in Braille. There is also a close working relationship with the area office of Vocational Rehabilitation when individuals need other assistive devices.

Multicultural Center

The Multicultural Center (2256 University Drive) offers various academic, cultural, social, and recreational activities and events to all students. The Center was established to promote interaction, awareness, and cooperation between students, faculty, and people from the local community of all ethnic and cultural backgrounds. A Multicultural Center Board of students, faculty, and administrators coordinates the programs of the center.

Child Care Service

The University Child Care Service (2256 University Drive) provides day care for children aged 2½ through kindergarten age (5-6.) This is an educational development program financed as a self-supporting project through parent-paid fees, donations, and USDA assistance. Children of full-time students, part-time students, faculty and staff members are eligible. Half-day or drop-in service will be provided on a space available basis.

Veterans Services

The Office of Veterans Affairs (Room 114, Administration Building) provides liaison and advocacy services for eligible veterans, veterans' dependents, and their widows with the Veterans Administration Regional Office and various state agencies. Peer counselors in the office work with fellow veterans to assist with any problems associated with benefits or federal forms, standards for satisfactory progress and attendance.

Tutorial assistance for veterans, work-study positions, and admissions counseling are also available.

Student Health Service

The Student Health Service facility is located at 2103 University Drive directly across from the campus grade school. Clinic hours range from 9:00 a.m. to 4:00 p.m., Monday through Friday—each day class is in session. Outpatient medical care is rendered to full-time registered students within the capability of the facility at no additional cost after the general registration fee is paid. Minimal fees are charged for tests and procedures not within the capability of the Student Health Service. Patient referrals are made as necessary. The Student Health Service is equipped to care for over 90% of the student health care needs.

Medical Expense Insurance

All full-time students are automatically included in the health insurance program when they pay the full-time registration fee. Benefits become effective when fees are paid for the fall semester and continue until the first day of the spring semester. Spring semester benefits continue until August 30 of that year, and protection is effective during all vacation periods. Each full-time student is covered 24 hours a day during the policy period at home, school, or while traveling.

Students who are covered by a family or other plan may obtain a refund through application to the insurance agent for Boise State University. The university carries liability insurance coverage all on-campus and official functions including student activities.

Career Planning and Placement

The Career and Financial Services office (Room 117, Administration Building) offers career information, advising, planning, and placement opportunities to all students and alumni. Some of the equal opportunity services provided include:

1. Assistance in identifying and making a career choice;
2. A college resource library of information, recruiting literature, the **College Placement Annual**, and other career references (Room 124, Administration Building);
3. A placement credential file where students may assemble a permanent file of vocationally significant data at a time when professors and administrators easily remember them. Copies are then sent to prospective employers upon request of the student. Credential files should be established early in the year of graduation;
4. On-campus interviews with representatives from business and industry, government agencies, school districts, and graduate schools for graduating students and alumni. Many other employment notices are listed through this office, and numerous directories of possible employers are available.

Student Union Building

For students, one of the most important buildings on campus is the Student Union. It is the focal point of student life and activities on campus. It serves as the campus community center for a wide range of services and programs to meet the social, recreational, and cultural needs of BSU students, faculty, staff, alumni, and campus guests. The building includes an information center; a recreational area with amusement games, bowling alleys, billiards, and outdoor recreation equipment; lounges, meeting rooms, a style shop, the campus bookstore, a ballroom, several eating facilities, the main dining room, student government offices, student newspaper offices, and the alumni office. A Board of Governors of students and staff decides the policies regarding building usage and general programs.

Student Government

The Associated Students of Boise State University (ASBSU) strives to represent the interests of all full-time BSU Students and to encourage active student participation in university life. The ASBSU sponsors and promotes a well-rounded program of education, cultural, social, and recreational activities.

The Executive branch of the ASBSU includes the president, who acts as the voice and representative of the students at univer-

sity functions; the vice-president who is the chief officer of the senate; and the treasurer who administers the budget.

The Senate, as the legislative branch, consists of 10 senators elected in campus-wide balloting. This body develops and coordinates activities, passes legislation for the general welfare of all students, and grants recognition and funding to student groups.

The Judiciary determines the constitutionality of questions brought before it by individuals and organizations.

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

Student Organizations and Activities

There are over 90 ASBSU recognized student organizations on campus representing a variety of interests and concerns. These organizations include special interest groups which vary from chess and ethnic interests to Judo and women's studies, professional honoraries representing every major field from social work to business, service and campus honoraries, religious organizations, fraternities and sororities, as well as ASBSU sponsored services such as **The University News**, the official student newspaper; KBSU-FM, a non-profit student owned and operated radio station; Student Programs Board which presents films, fine arts performances, lectures, and concerts, and the National Student Exchange.

International Students

The Associate Dean of Admissions (Visitor's Center) is the international student advisor and is responsible for immigration requirements concerning the visa status, and initial academic advising, orientation, and registration of all non-U.S. citizens on the campus. All new international students must report to the Associate Dean of Admissions as soon after arrival as possible. This office provides assistance and a central contact and information source to over 100 registered foreign students. The International Student Organization provides opportunities for American and Foreign Students to meet, exchange views, and become better acquainted.

Athletics

The intercollegiate athletic program at Boise State University provides the opportunity for qualified students to engage in an outstanding program of competition with other universities and colleges of the National Collegiate Athletic Association (NCAA), Division IAA, Big Sky Athletic Conference for men and the Association of Intercollegiate Athletics for Women (AIAW) and Northwest College Women's Sports Association (NCWSA) for women.

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

Intramurals

The Intramural Sports Program offers an extensive selection of sports and recreational activities to suit the interests and abilities of every student, faculty and staff member. Physical Education facilities are also available for recreational use by students, faculty and staff when classes, varsity, and intramural activities are not scheduled.

Intramurals provide an opportunity for competition in all types of sports for men, women, and coed groups including powderpuff football, softball, track, tennis, basketball, cross-country, volleyball, soccer, bowling, and swimming. For individual or informal group recreation the swimming pool, weight room matroom, two gymnasiums, playing fields, handball courts, and bowling alleys are available at posted times.

GENERAL INFORMATION

Alumni Association

The Boise State University Alumni Association was incorporated as a voluntary organization in 1967. Its membership includes all individuals who have completed two semesters or more at the University. Members in good standing have paid annual dues of \$15.00 per year and are entitled to receive the following benefits: alumni news publications; placement services; use of the Student Union, Library, and swimming pool; discounted alumni tours; group insurance program; invitations to all social functions and activities and other services.

The Association seeks to promote interest in and support of the University, maintain contact with graduates and former students, and provide benefits to students and alumni. Some of these services include: scholarships for outstanding and deserving students; theatre programs; grants of money for special student-faculty projects; and participation in several campus gatherings during the year such as Homecoming; annual Spring Dinner/Dance; Academic Awards Banquet; Golf Tournament; Regional meetings, and the Annual Pre-Game Reception at the Union Pacific Depot Gardens for all alumni and friends of the University.





ADMISSIONS INFORMATION

UNDERGRADUATE ADMISSION REQUIREMENTS

For questions related to Admissions Requirements, please direct inquiries to:

The Office of Admissions
Boise State University
1910 University Drive
Boise, ID 83725
(208) 385-1156

ADMISSION AS REGULAR UNDERGRADUATE STUDENTS

Admission to the University is based upon credentials showing graduation from an accredited high school. High School Equivalency Certificates or acceptable General Education Development (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 at least one year preceding application and is at least 18 years of age.

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

Matriculation is the processing of all required items necessary for regular enrollment as a full-time student at Boise State University.

New Freshmen (no credits earned since graduation from high school).

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

1. A completed application
2. A \$10 matriculation fee (the matriculation fee may be waived by the Admissions Office in documented cases of financial need and/or scholastic excellence).
3. An official † High School transcript showing date of graduation or a GED Certificate showing acceptable test scores.
4. American College Test (ACT), Scholastic Aptitude Test (SAT), or Washington Pre-College (WPC) test scores.

Permission to enroll full-time is contingent upon satisfaction of all matriculation, academic, and financial requirements set by Boise State University.

Transfer Students (Prior enrollment at one or more post-high school institutions)

Students entering from other colleges or universities 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 scholastic regulations as are applied to students previously enrolled at the University. After evaluation of transcripts, students are classified as Freshmen, Sophomores, Juniors, Seniors, or Graduates.

ADMISSIONS INFORMATION

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 credit hours or 1/2 the total hour requirement of the specific curriculum is established as the uniform maximum limit effective September 1, 1950.

Transfer students wishing to enter as full-time (8 or more semester hours) fully matriculated academic students must submit the following prior to the deadline date:

1. A completed application
2. A \$10 matriculation fee
3. Evidence of high school graduation or a GED certificate showing acceptable test scores.
4. ACT, SAT, WPC test scores or evidence of successful completion of English Composition sequence.
5. Official ‡ transcripts from all previously attended colleges showing good academic standing.

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 page 25 Academic Probation and Disqualification. All decisions relating to admission of foreign students will, however, be made by the Foreign Student Admissions Office.

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

Veterans

Students wishing to enter and receive G.I. Bill benefits must matriculate fully and meet all requirements for either freshmen or transfer students listed previously. Veterans attending under the G.I. Bill (Chapter 34) or under the Dependence Educational Assistance (Chapter 35 - widows, orphans and children of 100% disabled veterans) can apply for their benefits through the Office of Veterans Affairs on the Boise State University campus. Chapter 31 (rehabilitation program) veterans must be counseled by a Vocational Rehabilitation counselor at the V.A.

Chapter 34 veterans and Chapter 35 eligible persons are required to pay all tuition and fees at the time of registration. Chapter 31 veterans must present an Authorization of Entrance.

For more information, refer to Page 17 of this catalog.

Former Boise State Students

To be readmitted to the University after an absence of one semester or more, students must submit the following prior to the deadline date:*

1. A completed application
2. Official ‡ transcripts from all colleges attended since the last BSU enrollment.

Part-time Students

Undergraduate students wishing to enter part-time (7 or fewer credit hours) must submit a completed application form, but are not required to meet the other matriculation requirements. However, students who intend to pursue a degree objective on a part-time basis are encouraged to meet all Admission requirements. Veterans wishing to receive G.I. benefits must submit official transcripts from all previously attended colleges prior to being certified eligible for benefits.

Summer School Students

Students wishing to attend Boise State University during the summer session(s) only must complete an application, but are not required to meet other matriculation requirements.

ADMISSION AS SPECIAL UNDERGRADUATE STUDENTS

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 at the University with a GPA of 2.0 or better.

High School Students

Any currently enrolled high school student may enroll part-time if he has met the appropriate pre-requisite and his application for admission has been approved by the Dean of Admissions. Registration at BSU must be determined to be in the best interests of the student and must not interfere with progress toward high school graduation.

ADMISSION AS 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 GED 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 pre-requisite courses are required for various programs such as one year each of high school algebra and geometry for entrance to the Drafting or Electronics Technology programs. The University does not admit applicants under 18 years of age who are attending high school at the time of application unless his high school principal requests his admission. Students in the Vocational-Technical program who plan to enter certain extra-curricular activities must meet regular entrance requirements (see eligibility requirements).

Students wishing to enter BSU in the Vocational-Technical School must submit prior to the deadline date:*

1. A completed application
2. A \$10 matriculation fee
3. General Aptitude Test Battery (GATB) scores or high school transcripts with Differential Aptitude Test (DAT) scores
4. Personal interview
5. \$75 advanced security registration deposit.

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

Graduate Students (See Graduate Admissions, Page 127)

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 592m Princeton, New Jersey 08540, U.S.A. The test must be taken and 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 they meet the English language requirements for a degree program.

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.

Upon completion of all requirements and the granting of final acceptance to the applicant, the Foreign Student Admissions Officer will issue an I-20 form.

TUITION AND FEES

For questions related to Tuition and Fees, please direct inquiries to:

Business Office
Boise State University
1910 University Drive
Boise, ID 83725
(208) 385-3636

All of the fees, tuition, and other charges are due and payable for pre-registered students by the deadlines established prior to the beginning of each semester. (Please see Academic Calendar, Page 5 & 6 for exact dates). These fees and charges for students registering during open or late registration are due and payable on the day the registration occurs. 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 repeat hours will be considered a full schedule for purposes of calculating charges.

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

Full-fees	Idaho Resident	Non-Resident	Foreign Student
Tuition (Per Semester)	\$ 0.00	\$750.00	\$ 800.00
Institutional Fees (Undergraduate)	239.00	239.00	239.00
Institutional Fees (Graduate)	324.00	324.00	324.00
Total Tuition and Fees (Undergraduate)	239.00	989.00	1039.00
Total Tuition and Fees (Graduate)	324.00	1074.00	1124.00

** Payment of full-fees does not necessarily constitute full-time enrollment. Please see page 23 for credit hour requirements.

Idaho Residency Requirements for Fee Purposes

The legal residence of a student for fee purposes is determined at the time of initial application for admission and will be reconsidered, thereafter, upon appeal by the student. Appeal affidavits can be obtained in the Admission's Office. Section 33-3717, Idaho Code, specifies that a resident student shall be:

(a) Any student whose parents or court-appointed guardians are domiciled in the state of Idaho and provide more than fifty percent (50%) of his support. Domicile means an individual's true, fixed and permanent home and place of habitation. It is the place where he intends to remain and to which he expects to return when he leaves without intent to establish a new domicile elsewhere. To qualify under this section, the parents or guardian must be residing in the state on the opening day of the term for which the student matriculates.

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

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

(d) The spouse of a person who is classified, or is eligible for classification, as a resident of the state of Idaho for the purposes 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 whose parent or guardian is a member of the armed forces and stationed in the state of Idaho on military orders and who receives fifty percent (50%) or more of support from parents or legal guardians. The student, while in continuous attendance, shall not lose his residence when his parent or guardian is transferred on military orders.

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

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

Other Fees

Part-time (undergraduate courses)	\$31.50 per semester hour
Part-time (graduate courses)	39.00 per semester hour
Summer (undergraduate)	32.50 per semester hour
Summer (Graduate courses)	40.00 per semester hour
Non resident Tuition (Part-Time)	5.00 per semester hour
Audit	26.50 per semester hour
Application Processing Fee	10.00
(Non-refundable)	
Late Registration Fee	50.00
(To apply when petition is required to register)	

Testing Fee:

Students who have not taken an ACT, SAT or WAC test on a regular national testing date may take the Test of Standard Written English (TSWE):

During registration week	\$3.00
Duplicate Activity Card	5.00
Music, Performance Fee:	per semester
All private music lessons:	
2 credits	55.00
4 credits	110.00

Waivers of Music Performance Fees will be granted to music majors enrolled for 8 credit hours or more for all required private performance study leading to a B.A. or B.M. degree. Students receiving this fee waiver must be concurrently enrolled for credit in a major ensemble and in Concert Class. Students must receive 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.

given annually in recognition of academic achievement, leadership, performing arts, or special talent. For more information, contact the Office of University Admissions Counseling, 1910 University Drive, Boise, ID 83725.

State of Idaho Scholarship Awards are available to incoming freshmen who are Idaho residents. Applications can be obtained from the high school counselor or the Office of the State Board of Education, 650 West State Street, Boise, Idaho 83702.

Federally Insured Student Loans (FISL) or Guaranteed Student Loan are long-term moderate interest (9%) loans available to undergraduate and graduate students, negotiated through the student's personal bank, credit union, savings and loan or other participating lender. A special application form is required on which the University must provide information for the lender. This form is available at the Office of Career and Financial Services. Repayment does not begin until 6 months after graduation or dropping below 6 credit hours. Non-residents should use loan forms appropriate for their state.

Short Term Loans are available to students with a minimum GPA of 2.00 who experience an emergency during an academic term. A special application form is required. Repayment of the loan must be made within 90 days.

Nursing Program students are eligible for a low interest loan or non-repayable grant aid if they show financial need. To be eligible, students must file the FAF and apply for BEOG.

Bureau of Indian Affairs and Idaho Migrant Council Tuition Assistance Program require special application forms which are available through the Office of Career and Financial Services.

Financial Aid Eligibility Requirements

Notification of financial aid awards are mailed to scholarship applicants in May and need-based financial aid applicants in June. The "reply letter" must be signed and returned to the Office of Career and Financial Services within 15 days in order to receive the funds. Students must reapply by the deadline each year to be considered for a financial aid award.

Students who receive any type of financial assistance have a responsibility to make satisfactory progress in their course of study. Such aid can be withdrawn by the University if the recipient does not meet enrollment or academic criterion.

Summer Session

The University has financial aid available on a restricted basis during the summer. Students in need of financial aid who are planning to attend summer session should consult with a Career and Financial Services advisor when he/she is making summer plans.

Foreign Students

In order to be granted student visas, foreign students must demonstrate that they have resources for the entire period of University attendance. If financial difficulties arise, the Foreign Student Advisor should be contacted for assistance.

STUDENT HOUSING

For questions related to Student Housing, please direct inquiries to:

Office of Student Residential Life
Boise State University
1910 University Drive
Boise, ID 38725
(208) 385-3986

University Residence Halls

Boise State University maintains four residence halls with accommodations for approximately 760 students. They contribute to and encourage participation in the total university 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 residence hall (Morrison) provides living facilities for 78 men and women.

The Towers, located at the west end of campus, has seven stories and accommodates 300 students. It is carpeted and air

conditioned with study lounges and laundry facilities. Four students occupy each room with individual room bathroom facilities.

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

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

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

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

Applications for room reservations should be made as early as possible. The contract for residence hall accommodations is for room and board for the **entire** academic year. Applications must be made on the official contract form and be accompanied by an application and security deposit fee of \$45.00.

Board and Room Charges*

Meal Options:

- A. 7 day/ 19 meals (breakfast, lunch, dinner, Monday through Friday; brunch, dinner, Saturday and Sunday)
- B. 7 day/ 14 meals (lunch, dinner, Monday through Friday; brunch, dinner, Saturday and Sunday)
- C. 5 day/ 10 meals (lunch, dinner, Monday through Friday)

Residence Rooms	Meal Options		
	A	B	C
Double:	\$1970	\$1940	\$1880
Single:	2280	2250	2190

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

In addition, all residence halls require a \$15.00 program fee which is a part of the room and board payment. This fee is used for programs, activities, and various types of interest group projects designed by the students.

The residence halls normally are closed during semester break and spring vacation. Meal service is suspended and the Snack Bar is closed. Students staying in their rooms at the residence halls during these holidays must obtain permission from their Resident Director and will be charged on a per day basis.

Refunds for terminations of the housing contract which are approved will be made on a pro-rata basis for the unused portion of room and board payments. Students who receive such a refund and are recipients of financial aid which has been applied towards their housing payments must repay the appropriate financial agency.

Application Procedure

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

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

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

ADMISSIONS INFORMATION

Completed application/contracts should be returned with the \$45.00 deposit to:

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

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

1. A completed application/contract is received by the Office of Student Residential Life with: a) A \$45.00 application fee/security deposit. Check or money order should be made out to Boise State University. This deposit is not partial payment of room and board costs. It is held 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, less a processing fee. The application fee/security deposit is forfeited if cancellation of a room assignment is not received prior to August 1 for the Fall Semester and January 2 for the Spring Semester. b) Signature of parent or guardian for students under 18.
2. If space is available after the above are processed, a tentative room assignment is made and the student is notified.
3. This room assignment is officially confirmed after the student contracts with the Office of Student Residential Life to make payment arrangements for room and board. All students are advised of their specific room number when they move into a hall.

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

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

Hall and Room Assignments

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

University and Residence Hall Regulations

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

Personal Property and Liability

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.

Family Housing

There are 170 units available for full-fee paying (8 credit hours or more) married students or single parents, all within walking distance of the campus. University Courts apartments have small and large one bedroom, two, and three bedroom units. Apartments are carpeted and furnished with stoves and refrigerators. Coin-operated laundry facilities are located on site. All utilities except electricity are furnished. University Heights and University Manor consist of one and two bedroom apartments. These are fully carpeted, draped, and furnished with stoves and refrigerators. Laundry facilities and all utilities are furnished.

Rental Rates Per Month

University Courts:

Small One Bedroom \$125.00
Large One Bedroom 165.00
Two Bedroom 192.00
Three Bedroom 220.00

University Heights:

One Bedroom 192.00
Two Bedroom 224.00

University Manor:

One Bedroom 192.00
Two Bedroom 224.00

The above prices are subject to change.

Application Procedure for Family Housing

Applications for Family Housing may be obtained in the Office of Student Residential Life, Room 110, Administration Building

To be eligible a student must be a married student, prospective married student, or a single parent with a child (children) and enrolled as a full-fee and/or fully matriculated student at Boise State University.

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

When an apartment is ready for occupancy, the student must sign a lease, pay the balance of the application fee and security deposit (\$50.00), and pay one month's rent prior to receiving confirmation to move into the apartment.

It is the responsibility of the student to notify the Office of Student Residential Life each semester if Family Housing is still desired or their name will be removed from the waiting list.

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

Sororities and Fraternities

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

Four national sororities—Alpha Chi Omega, Alpha Omicron Pi, Delta Delta Delta and Gamma Phi Beta—and four national fraternities—Alpha Tau Omega, Kappa Sigma, Sigma Phi Epsilon, and Tau Kappa Epsilon—are actively involved at Boise State University. Membership is open to all full-fee students.

Each fraternity and sorority operates its own house located within a mile radius of campus. Members take charge of their own maintenance, financial management, meal planning, governing, and organization of special events or programs. Room rates are approximate to those of University owned residence halls. Extra costs include initial affiliation expenses, social fees, and, in some instances, building fund charges.

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

Off Campus Student Housing

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

As a matter of policy, assignments to University housing facilities are made without reference to race, color, national origin, or handicap and expects privately owned accommodations

offered through its listing service to be operated in the same manner. Listings are accepted with this understanding.





Internships/Cooperative Education

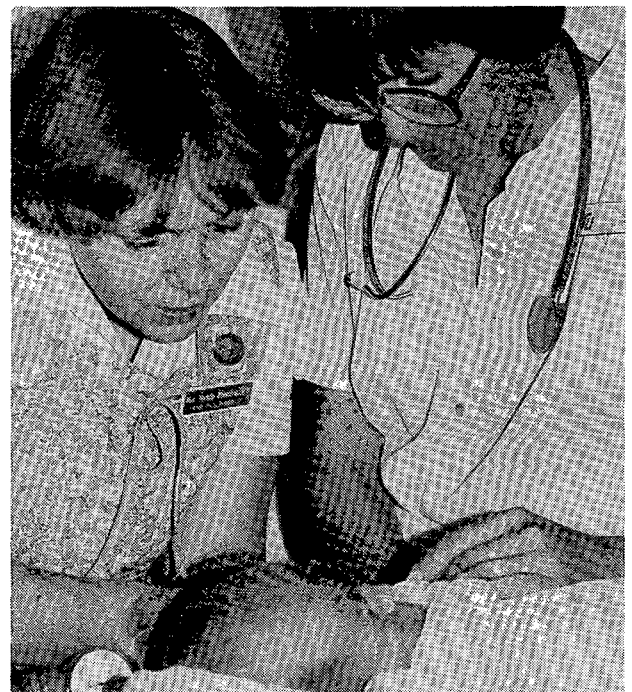
Most departments at Boise State University provide internships or cooperative education programs that give students practical, on-the-job experience which contributes to their academic development.

Because the university is surrounded by several businesses, government agencies, and health care facilities, internships are available in nearly every major field. Internships are also available in some academic departments on campus.

Although constantly changing to meet student needs, the following are some of the common internship/cooperative education experiences available:

- Elementary, secondary, and physical education student teaching
- Athletic training and coaching internships
- Student nursing in local health care facilities
- Psychology internships
- Social Work internships with various government agencies
- Mathematics internships with government departments
- Construction Management internships with local contractors
- Accounting/Data Processing internships with local businesses
- Business Education and Office Administration internships with local businesses
- The "Learning Partnership" between business students and Futura Corp.
- Marketing/Mid-Management internships with local businesses
- Biology internships with state and federal agencies, research laboratories, and educational institutions
- English internships in writing laboratory and developmental writing programs on campus
- Communication internships with many governmental and business enterprises
- Political Science internships with the Idaho legislature

For specific information about internships/cooperative education opportunities, students should consult the academic department that offers the program.





ACADEMIC INFORMATION

ACADEMIC REGULATIONS

For questions related to academic regulations, please direct inquiries to:

Registrar's Office
Boise State University
1910 University Drive
Boise, ID 83725
(208) 385-3486

Student Records

When a student enters the University and submits the requested personal data, there is an assumed and justifiable trust placed upon the University to maintain the security of that information for the protection of the rights of the student. To protect students against potential threats to their individual rights inherent in the maintenance of records and the many disclosures regarding them and in compliance with the Family Educational Rights and Privacy Act of 1974, the University has adopted BSU Policy 4205-D (Student Records). The policy statement in its entirety is contained in the Administrative Handbook of Boise State University. 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.

All academic records are maintained by the Registrar's Office. Students may obtain copies of their transcripts by making a request in writing or in person.

Classification of Students

After registration, students are classified as follows:

- Special—no degree intent—courses of interest only
- Freshmen—0 semester credits through 25
- Sophomore—26 semester credits through 57 or enrolled in Associate, diploma, or certificate program
- Junior—58 semester credits through 89
- Senior—90 semester credits and over, or enrolled in second baccalaureate degree program
- Graduate—has received a baccalaureate degree and enrolled in a graduate level degree program.

Enrollment Verification

Students enrolled for 8 semester credit hours or more are required to pay full fees but may not be considered as full-time students.

For the purposes of student enrollment verification to Veteran's Administration, Social Security Administration, BEOG, Federal and State Grants-in-Aid, banks, insurance companies, 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 fewer undergraduate semester hours |

ACADEMIC INFORMATION

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 fewer graduate semester hours

Students receiving veteran's benefits under the G.I. Bill enrolling for less than ½-time will receive payment for registration fees only.

Veterans pursuing a second baccalaureate degree must have an official evaluation of their transcripts and official copies are forwarded to the V.A. Regional Office, the veteran, and the certifying official at Boise State University. Only the courses listed in the evaluation will be considered in determining V.A. educational payments.

Veterans enrolled in graduate programs are required to file a Program Development Form with the Graduate Admissions Office and the certifying official. Only those courses that are required for the degree objective will be considered in determining V.A. educational payment. Graduate students taking a combination of undergraduate and graduate credits will be certified based on a formula to determine the credit hour load.

Grading System

A—Distinguished Work—4 quality points per hour
B—Superior Work—3 quality points per hour
C—Average Work—2 quality points per hour
D—Passing but Unsatisfactory Work—1 quality point per hour
F—Failure—0 quality points per hour
P—Pass—Credit earned but no quality points
CR—Credit—Credit earned but no quality points
I—Incomplete—No credit earned or quality points until grade is assigned
W—Withdrawal—No credit earned or quality points
S—Satisfactory—No quality points
U—Unsatisfactory—No quality points
AUD—Audit—No credit earned or quality points
NR—No Record—No credit earned or quality points until a grade is assigned
NG—Non Gradable
WP—Withdrawal Passing—No credit earned or quality points (only used for complete withdrawal)
WF—Withdrawal Failing—No credit earned or quality points (only used for complete withdrawal, not computed in GPA)

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

Incomplete Grades

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

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

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

Repeat of a Course

A student who receives a grade of "D" or "F" may repeat the course under certain conditions to improve the grade. Independent studies, internships, and student teaching may be taken only once; they may not be repeated. Other courses may be repeated **once** to raise the grade, provided that the course is still offered. Degree credit for courses so repeated will be granted only once, but **both** grades shall be permanently recorded. In computing the

GPA of a student with repeat courses, only the second grade and quality points shall be used.

Advising and Registration

Prior to registration or pre-registration, each student registering for the first time is assigned to a faculty advisor who assists the student in identifying academic requirements for graduation and in completing the Proposed Course Schedule form. Students registering for 8 credits or more must confer with an advisor prior to completion of registration or any change in registration. A student may change his/her advisor after the first semester in attendance by obtaining permission from the Advising Coordinator of his/her school.

Dates of pre-registration and open registration are listed in the University Calendar at the front of this catalog. Instructions for registration, changing class schedules and deadline dates, for which every student, is fully responsible are published in the Class Schedule, available in April for the Fall Semester and in November for the Spring Semester.

Attendance and Absence from Class

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

Regardless of the cause of the absence, a student who has missed a class meeting has lost some of the content of the course. If any student accumulates absences to the extent that further participation in the class seems to be of little value to him/her and detrimental to the best interests of the class, the instructor shall warn the student that she/he may fail the class.

Audit vs. Credit Registration

Students enrolling in courses for **Credit** are required to attend class regularly, complete all assignments, and take the necessary examinations. If space is available a student may enroll in a course without credit or grade as an **Audit**. Audit indicates that a student was allowed a place in the class but may or may not have participated in class activities.

Changes in Registration

Students may make the following registration and program changes by securing a "Student Information Update" form and signature from their advisor and each professor involved in the change. The completed form must be filed with the Registrar's Office. No registration or program change is effective until dated and signed in the Registrar's Office.

Adding a Course

Student may add a course(s) during the open registration period without the written consent of the professor. A "Change in Registration" form must be secured and signed by the advisor and a "class card" obtained from the appropriate department chairman's office. Detailed procedural information and instructions are printed each semester in the Class Schedule.

From the end of the open registration period until the end of the sixth week of classes, students must secure the consent and signature of the professor and their advisor to add a course(s) for credit. No student may add a course(s) after the last day to make registration and program changes. (See Academic Calendar for specific dates).

Dropping a Course

Students may drop a course(s) by following the same procedures listed above until the end of the sixth week of classes. All grades will be recorded as "W". No student may drop a course(s) after the last day to make registration and program changes except for verifiable emergency and/or medical reasons.

All appeals or petitions for an emergency or medical withdrawal from a course(s) will be made only through the Dean of Student Advisory and Special Services.

Students who remain enrolled in a course(s) after the last day to make registration or program changes and who fail to complete course requirements shall be awarded a final grade of "F."

Audit/Credit Changes

Students may change their status from credit to audit or audit to credit by following the same procedures as adding a course until the end of the sixth week of classes. No student may change from or to audit after the last day to make registration or program changes.

Students who change their status in a course from audit to credit must pay the difference in course credit cost. Students who change from credit to audit during the first four weeks of a semester may request a refund of the difference between audit and credit registration fees. A refund will be pro-rated in accordance with the University's refund policy pertaining to general fees.

Late Registration

Individuals who file an application for admission after the cut-off dates for pre-registration and priority registration may register for courses that are still available during the open registration period. (See Academic Calendar for specific date).

Individuals who wish to register after the open registration period ends must obtain a "Petition for Permission to Make Changes After Deadline Date" form from the Admissions Office Information Window. This form must be signed by the professor of each course and by their Department Chairman or Academic Dean. The approved petition form must be filed with the Registrar's Office and with the Business Office when fees are paid. Registration is not complete until all fees are paid. No registration by petition will be accepted after the last day to make registration or program changes. All registrations by petition will be assessed a \$50.00 fee.

Complete Withdrawal from the University

Students who wish to leave the University in "Good Standing" during a semester must initiate an official request for complete withdrawal from all courses through the Dean of Student Advisory and Special Services. Vocational-Technical students must clear with the Vocational counselor prior to reporting to the Student Advisory and Special Services Office.

Withdrawal from the University (from all courses) must be completed prior to the end of the sixth week of classes for all grades to be recorded as Withdrawal (W). Refunds of registration fees are only pro-rated over the first four weeks of a semester.

Students who withdraw from the University after the last date for withdrawal and are then failing the course will be awarded final grades of "WF." Students who withdraw from the University after the last date for withdrawal and are passing the course requirements will be awarded a final grade of "WP". It is not necessary to request a withdrawal from the University between semesters or after a semester has been completed. Neither a "WP" nor a "WF" will be used in calculation of GPA. Students who remain enrolled after the last day to make registration or program changes and who fail to complete course requirements shall be awarded a final grade of "F."

Faculty Initiated Withdrawal

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

1. If a student registers for a course but never attends.
2. If a student registers for a course, attends briefly, and then neglects to withdraw from the course.
3. If a student registers for the course on an audit basis but never attends or attends for only a brief period of time.

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

Administrative Withdrawals

A student's registration may be cancelled after proper notification for delinquent financial accounts (bad checks, library fines, overdue loans, bookstore, or housing accounts, etc.); incomplete

admissions file (failure to submit transcripts or test scores); falsification of admissions application or other University records; registration without re-instatement from academic dean if academically disqualified; failure to respond to an official summons or exhibiting behavior which constitutes a clear and present danger to one's self and others.

The Vice President for Student Affairs, Dean of Admissions, Director of Administrative Services or Registrar will notify 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.

Student Address or Name Change

The student is held responsible for keeping address or name change information up-to-date with the Registrar's Office. Change of Address or Name Change forms may be obtained in Room 102 of the Administration Building. Mailing of notices to the last address on record constitutes official notification.

**Academic Probation and Disqualification Policy
Boise State University
(As Amended March 20, 1980)**

A student whose academic work indicates that he/she cannot continue in the university with profit to him/herself and credit to the institution will be placed on academic probation, and if he/she continues on academic probation at the end of his/her next semester of attendance, he/she 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	1.90
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 or more	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 when they earn a cumulative GPA equal to or higher than the minimum required for the numbers of hours attempted.

II. Disqualifications

- A. After being placed on academic probation, a student who continues on academic probation at the end of his/her next semester of attendance, 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 remains on continued probation.

III. Reinstatement

- A. After being disqualified and dismissed from the university, a student may be reinstated by submitting a petition to

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the academic dean of the school from which he or she was dismissed and receiving favorable action on his/her petition. Readmission to a school (or any of its programs) may be accompanied by subsequent academic performance requirements which are more stringent than those of the university. Failure to meet conditions specified for continuation as a major in a particular school may prohibit a student from future enrollment in a school even though the university minimum academic requirements are satisfied.

- 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. After being reinstated, if 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 except by petition to and favorable action from his/her academic dean. Readmission to a school (or any of its programs) may be accompanied by subsequent academic performance requirements which are more stringent than those of the university. Failure to meet conditions specified for continuation as a major in a particular school may prohibit a student from future enrollment in a school even though the university minimum academic requirements are satisfied.
- 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. Otherwise, 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 completing 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 reinstated after a second probation are ineligible for participation in University sponsored extra-curricular activities (See Eligibility for Extra-curricular Activities section of the Boise State University Student Handbook). This restriction is removed when students are no longer on probation.

Dean's List

Every student who has attempted 12 or more credits of academic work in a given semester and achieves a grade point average of 3.50 or higher receives a "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 4.0 grade point average receives a "Highest Honors" designation.

Petitions

Where strict application of any Boise State University regulations seem to work an unreasonable hardship, the student may petition for an exception. Academic petitions should be address-

ed to the academic dean of the appropriate school. Other petitions should be directed to the appropriate administrative offices.

Course Numbering

Courses are numbered on the basis of the following:

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

Upper division level courses, numbered at 300 or 400 level may be given a "g" or "G" designation to carry graduate credit. The "g" courses carry graduate credit for graduate students in majors outside the area of the department or school. "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 pre-requisite to a second numbered course; a comma between course numbers indicates that either course may be taken independently of the other.

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

(3-4-5) (F).	Indicates 3 hours of lecture, 4 hours laboratory, and 5 credits for a course offered each fall.
(0-4-0).	Indicates a laboratory without credit offered regularly each semester.
(2-0-2) (F/S).	Indicates a typical two-hour lecture class for two credits offered either fall or spring semesters.
(0-2-1) (F, SU)	Indicates a two-hour studio art or PE activity class for one credit offered in fall and summer semesters.

Other authorized abbreviations are prereq: for prerequisite, coreq: for corequisite, PERM/INST for permission of the instructor and PERM/DEPT for permission of the department chairman or his representative.

Course Prerequisite Waiver

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

Admission to Upper Division Courses

Upper-division courses are open to students who have completed the stated course prerequisites and 57 semester credits of college work. Lower-division students who have a GPA of 2.0 or better may take upper-division courses if the course is required during the sophomore year in a specific curriculum in which the student is majoring, or the student has the written permission of the chairman of the department in which the course is offered and the concurrence of his/her advisor.

Undergraduate Enrollment in 500-Level Courses

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

University-Wide Course Numbers**Undergraduate**

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

Independent Study (188 and 496) must be arranged between student and professor on an individual basis. The course description does not appear in other sections of the catalog.

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

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

294-494 Conference or Workshop (0-4 credits). Conducted by outstanding leaders or qualified faculty in a particular field under the auspices of Boise State University. Conference or workshop (294, 494) and special topic courses (297, 497) will be described in the Class Schedule published each semester.

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, upper division standing.

497 Special Topics (2-4 credits). *Prerequisite: Advanced standing and consent of instructor and department chairman.

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

498 Seminar (1-4 credits).

499 Seminar (1-4 credits).

Graduate

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

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

590	Practicum
591	Project
592	Colloquium
593	Thesis
594	Extended Conference or Workshop (Graded A through F)
595	Reading and Conference
596	Directed Research

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

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

Generally the 599 number is used for courses meeting 3 weeks or less and the 594 for courses meeting more than 3 weeks. The decision, however, is made by the department or school offering the course.

Interdisciplinary Courses

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

Honors

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

HP 100, 200, 300, 400 Summer Readings (1-3 credits). An opportunity and incentive for 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 no later than October 15 in order to receive credit or no credit.

HP 492 Honors Colloquium (3 credits). Upper-division Honors students bring the 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 (3 credits). (Course description Part VIII of catalog).

Interdisciplinary Studies in the Humanities

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

IH 102 Humanities: A View of the Nature of Man, II (3 credits). As a continuation of IH 101, this lecture/discussion course focuses on humanistic perceptions and assumptions concerning how people understand and respond to society and what motivates people to accept or reject social norms. The final unit will focus on forms of alienation and how individuals respond to social pressure. Prerequisite: IH-101. (Fall Semester)

IH 111 Humanities: A View of the Nature of Man, III, "Consciousness and Human Imagination" (3 credits). This course will examine the human imagination as a necessary constituent of each person's consciousness of his lived experience, i.e., it will analyze the role that human imagination plays for each of us in making our everyday lives, private and social, livable, understandable, and worthwhile. This course will also examine the imagination's capacity to capture our lived experience for reflection in the formalized modes of imagination: science, philosophy, art, and literature. Students will examine inherent and relative values. Prerequisite: Completions of, or concurrent enrollment in E-101. (Spring Semester)

IH 112 Humanities: A View of the Nature of Man, IV, "Human Choices and the Future" (3 credits). This course assumes that the future will be shaped through human choice and will explore the role of the humanities in understanding and defining the conditions necessary to making human choices: self-knowledge, understanding language, and understanding ways of knowing. Since the humanities are involved with a constant examination of human values, it will also consider plans and strategies for maintaining conditions for genuine human choice. This course focuses on methods of conceptualization, the way in which the human imagination frames its understanding of the world about it. Since human choice results from the way in which the chooser understands the problem, the clearer the perception, the better the choice. Prerequisite: Completion of, or concurrent enrollment in, E-101. (Spring Semester)

Advanced Placement and Individualized Studies

For questions related to Advanced Placement, please direct inquiries to:

Dr. William Mech, Director
Honors Program
Education Building, Room E 707
Boise State University
1910 University Drive
Boise, ID 83725
(208) 385-1122.

Today, improved and accelerated public school programs allow many students to enter colleges and universities with skills traditionally expected after college level work. To assure each student the opportunity to develop at his/her own pace and bypass material already mastered, Boise State University offers several options for educational advancement. Individual cases may allow several approaches to determining relative placement.

College Level Examination Program (CLEP)

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

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Students generally prepare for the examinations by independent studies, advanced high school courses, auditing courses, attending non-accredited schools; on-the-job-training, or other experience.

The Subject Examinations may not be repeated within a year. The General Examinations may be repeated once within a year's time if special arrangements are made.

Boise State University accepts test scores of CLEP in the following general and subject areas:

CLEP EXAM TITLE (National College Sophomore Norm Group)	BSU EQUIVALENT CREDIT
English	No credits 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

CLEP SUBJECT MATTER EXAM	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 and 102, General Biology (8) C-107, 108, (4) or C-131, 132 (4) M-111, Algebra and Trigonometry (5)
General Chemistry (48)	
College Algebra	
Trigonometry (49)	
Calculus with Analytic Geometry (59)	M-204, Calculus and Analytic Geometry (5)
Statistics (50)	M-361, Fundamentals of Statistics (4)
Introduction to Accounting (50)	AC-205 and 206, Principles of Accounting (6)
Computers and Data Processing (50)	DP-210, Introduction to Data Processing (3)
Introductory Sociology (50)	SO-101, Introduction to Sociology (3)
American Government (50)	PO-101, American National Government (3)
** Intro. Business Management (60)	MG-301, Principles of Management (3)
** Intro. Business Law (60)	GB-202, Business Law (3)
Introductory Marketing (50)	MK-301, Basic Marketing-Management (3)
General Psychology (50)	P-101, General Psychology (3)

* 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.

If the scores submitted are at or above the percentile scores indicated, the student will receive credit towards meeting area requirements or for the equivalent courses so indicated. Credit awarded indicates that the award was based on CLEP scores. The credit counts toward the total graduation requirements. CLEP General and Subject Matter Examinations will not be officially transcribed until the student has successfully completed 15 academic credit hours at Boise State University. Any student who submits CLEP scores must make application to or be enrolled at Boise State at the time of submission of CLEP scores.

Advanced Placement

The Advanced Placement Examinations offered through the College Board are generally accepted by the appropriate department if a score of three (3) or higher is attained. In some cases, the essay or problem portion is requested for review.

The English Department grants three credits replacing English Composition 101 to a student who receives a score of 3 or above on the English Advance Placement Examination. Three additional credits may be granted in place of English 102 based upon the Department Chairman's evaluation of the essay part of the exam.

Academic departments have the option of using their own examination, a standard test, recommendations from high school instructors, or past experience in determining advanced placement credit. The gathering of materials upon which the granting of credit may be determined can begin during the student's last semester of high school.

Credit By Examination (CHALLENGE)

Any student may challenge a University course, subject to department determination of appropriate courses, when he/she feels that he/she has acquired sufficient knowledge to pass an examination covering the content of the course. In those cases where credit by examination is allowed, the department shall have the option of using a standardized examination or an examination prepared within the department. A student attempting to earn credit by examination must consult with the Department Chairman to determine whether the credit will be a regular grade or on a credit-no-credit basis, whereby the student receives credit and no grade for the course if he passes the examination.

Credit For Prerequisites Not Taken

Students who have sufficiently high GPA or ACT scores, who pass a departmental placement examination, or who have the approval of the department chairperson may take designated courses without having completed the listed prerequisite.

Students who receive a grade of "C" or better for a course in which they have not taken the prerequisite course(s) may be given credit for the prerequisite course(s) with a grade of "S." To qualify, students must initiate the application in consultation with their advisor only after the final grade for the advanced course is officially recorded. Department chairmen and deans will determine which course(s) can qualify for this credit. An examination covering the content of the prerequisite courses may be required.

Transfer of Vocational-Technical/Academic Credits

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

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

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

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

Reciprocal exchange of non-equivalent prior learning such as course work training or work 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 re-evaluate the appropriateness of such vocational-technical training, experience, and/or academic course work.

Independent Study

The independent study experience provides individual study opportunities of reading or project nature. The availability of independent study opportunities for graduate students, upper-division, and Honors Program lower-division students represents one of several unique curricula choices at Boise State University.

Any department which fields a baccalaureate or graduate degree program is authorized to offer independent study. The course numbers identifying independent study are not listed in the Schedule of Classes. This does not preclude their availability based on mutual agreement between student and professor and approval by the appropriate department chairman.

Upper division students are eligible for 1 to 4 credits of Independent Study per semester. This experience may be repeated for a maximum of 9 credits towards graduation with no more than 6 credits in any given academic year.

Lower division Honors Program students are eligible for 1 to 3 credits of Honors Independent Study per semester. Credits may not exceed 3 per semester with no more than 6 in an academic year.

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

Internship

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

GRADUATION REQUIREMENTS

Application for Graduation

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

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

General University Requirements (Core)

To receive a Baccalaureate degree from Boise State University, all students must meet certain core requirements. Approximately one third each of their undergraduate program will be taken in core courses, major concentration, and electives. The university core is aimed at developing specific learning and communication skills of literacy and critical thought. The university core requires 3 to 6 credits of English Composition, dependent upon the student's score on a national test, 12 credit hours in each of 3 areas—Area I, Arts and humanities, Area II, Social Sciences, and Area III, Natural Science. Specific coursework will be required in at least three disciplines in Areas I and II, to include a literature (Area I) and a history (Area II) course for BA candidates, and two patterns; 1) a year's sequence in one science and a semester in another or 2) three courses in science concepts, for fulfilling Area III.

In addition, B.A. students must have an additional 9 hours in Area I or II (excluding major requirements), and B.S. students must have an additional 9 hours in Areas II or III. Degrees other than the B.A. or B.S. may differ in their core content quantitatively from the core, but must contain English Composition and a minimum of 26 credits to be chosen from Areas I, II, and III, with no less than 6 credits taken from any one of those areas.

Courses offered to fulfill core requirements will be identified by area in the catalog; e.g., P 101 General Psychology (3-0-3) (AREA II.) A grade of "C" is required in any coursed used to fulfill a core requirement including E 101, 102. All entering full-time student whose national test scores (ACT or SAT) show a composite percentile at the 20th percentile or below, or who have test percentiles below the 20th percentile in English or Math will be referred to a special advisor who will help the student enroll in appropriate courses to build basic skills. Such students should not enroll in more than an equivalent of 12 credit hours per semester until the deficiency is removed.

All students who have not taken and passed a competency exam as part of their writing courses at Boise State University must pass a competency exam in written English which should be taken prior to the senior year.

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

1. Completion of E 101 and E 102, English Composition.
2. Completion of E 111 and E 112, Honors Composition.
Admittance is dependent on ACT score.

3. Successful Challenge of E 101 or E 102 by taking the departmentally specified competency test.
4. Students who score in the 80th percentile or above on the ACT, or who are permitted to take and pass the departmentally specified competency test are exempt from E 101. E 102 is required.

AREA REQUIREMENTS are general education requirements required of all students seeking a Baccalaureate degree. Courses in the following lists have been approved to satisfy the core requirements. Additional courses may be approved and students should check with academic advisors for the most current list of courses approved to satisfy core requirements.

AREA I - Arts and Humanities

- E 230 Western World Literature
 - E 235 Western World Literature
 - E 240 Survey of British Literature to 1790
 - E 260 Survey of British Literature: 1790 to Present
 - E 271 Survey of American Literature: Beginning to Civil War
 - E 272 Survey of American Literature: Civil War to Present
 - HU 207 Introduction to Humanities
 - HU 208 Introduction to Humanities
 - *IH 101 Humanities: A View of the Nature of Man, I
 - *IH 102 Humanities: A View of the Nature of Man, II
 - *IH 111 Humanities: A View of the Nature of Man, III
 - *IH 112 Humanities: A View of the Nature of Man, IV
 - MU 133 Introduction to Music
 - PY 101 Introduction to Philosophy
 - PY 121 Introduction to Logic
 - TA 107 Introduction to Theatre
- Special Topics courses in IH Interdisciplinary Studies in the Humanities and HP Honors courses may also be approved to meet Area I core requirements.

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

AREA II - Social Sciences

- AN 101 Physical Anthropology
- AN 102 Cultural Anthropology
- AN 103 Introduction to Archaeology
- CM 111 Fundamentals of Speech Communication
- CM 112 Reasoned Discourse
- EC 201 Principles of Economics-Macro
- EC 202 Principles of Economics-Micro
- GG 101 Introduction to Geography
- GG 102 Cultural Geography
- HY 101 History of Western Civilization
- HY 102 History of Western Civilization
- HY 151 United States History
- HY 152 United States History
- HY 201 Problems in Western Civilization
- HY 202 Problems in Western Civilization
- PO 101 American National Government
- PO 141 Contemporary Political Ideologies
- PO 231 International Relations
- P 101 General Psychology
- SO 101 Introduction to Sociology
- SO 102 Social Problems
- SO 230 Introduction to Multi-Ethnic Studies

AREA III - Natural Science

- B 100 Concepts of Biology
- B 101 General Biology
- B 102 General Biology
- BT 130 General Botany
- C 100 Concepts of Chemistry
- C 107 Essentials of Chemistry
- *C 108 Laboratory for Essentials of Chemistry
- C 109 Essentials of Chemistry
- *C 110 Laboratory for Essentials of Chemistry
- C 131 College Chemistry
- *C 132 Laboratory for College Chemistry

ACADEMIC INFORMATION

C 133	College Chemistry
C 134	Laboratory for College Chemistry
EN 100	Energy for Society
GO 100	Fundamentals of Geology
GO 101	Physical Geology
GO 103	Historical Geology
M 100	A Cultural Approach to Mathematics
M 105	Mathematics for Business Decisions
M 106	Mathematics for Business Decisions
M 111	Algebra and Trigonometry
M 204	Calculus and Analytic Geometry
M 205	Calculus and Analytic Geometry
M 206	Calculus and Analytic Geometry
M 211	Accelerated Calculus
M 212	Accelerated Calculus
PS 100	Foundations of Physical Science
PH 101	General Physics
PH 102	General Physics
PH 105	Introduction to Descriptive Astronomy
PH 220	Physics I - Mechanics
PH 221	Physics II - Wave Motion and Heat
PH 222	Physics III - Electricity and Magnetism
PH 223	Physics Lab I
PH 224	Physics Lab II

*Concurrent enrollment in the appropriate lecture is required.

BACCALAUREATE DEGREES MINIMUM GRADUATION REQUIREMENTS (CREDITS)

ALL BACCALAUREATE DEGREES

General College Requirements (minimum)

- A. Total credit hours 128
Must include:
1. English Composition E101, 102 3-6
2. Upper Division credit hours 40
- B. Grade Point Average for all Courses taken 2.0
- Other College Requirements
- C. Minimum requirements for one of the degrees offered.
- D. Specific Requirements for a departmental major.
1. A student must have a minimum cumulative 2.00 GPA in all courses required by his/her major.
2. A student will not be allowed credit toward his/her major department requirements for any grade of "D" in upper division courses in his/her major department.
- E. A minimum of 15 credit hours of electives outside of the major field.
- F. Minimum credit hours in residence: The last 30 credit hours prior to graduation must be taken at the university during the regular or summer sessions.

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.

Physical Education Courses

A candidate for a degree may have up to 8 semester hours of Physical Education activity courses counted towards graduation.

Such correspondence courses must be completed, and the transcript filed with the registrar prior to mid-term of the semester in which the last 30 hours of residence credit are started.

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

Requirements for Additional Baccalaureate Degree

- A. A minimum of 30 additional semester hours of resident work, beyond the hours required for his/her 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 granting the additional degree.
- C. Satisfactory completion of other requirements of the University as approved by the dean of the school granting the additional degree.

Requirements for Double Major

A student may be granted a single baccalaureate degree with more than one major, providing that he/she satisfies all requirements for each major field as recommended by the department and approved by the dean of the school granting the additional degree 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 E101, 102.....3 or 6*
- B. Area I requirements, Arts & Humanities 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
- C. Area II requirements, Social Sciences 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
- D. Area III requirements, Natural Science..... 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
- E. Students seeking the B.A. degree must have an additional 9 credits chosen from courses in any of the following disciplines:

Art
Humanities
Literature***
Music
Philosophy
Theatre Arts
Foreign Language (102 or higher or one language)
Anthropology
Communication
Economics
Geography
History
Political Science
Psychology
Sociology

F. Departmental major

*Determined by student score on ACT exam. See General University (Core) Requirements.

**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 E101, 102.....3 or 6 credits*
- B. Area I requirements, Arts & Humanities12**
 - Three fields must be represented
- C. Area II requirements, Social Sciences12
 - Three fields must be represented
- D. Area III requirements, Natural Sciences12
 - 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

- E. Students seeking the B.S. degree must have an additional 9 credits chosen from courses in any of the following disciplines:
 - Anthropology
 - Communication
 - Economics
 - Geography
 - History
 - Political Science
 - Psychology
 - Sociology
 - Biology
 - Chemistry
 - Engineering
 - Geology
 - Physics
 - Mathematics
 - Physical Science
- F. Departmental Major

*Determined by student score on ACT exam. See page 29.
 **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 E101, 102.....3-6*
- B. Area I Requirements, Arts & Humanities6
- C. Area II Requirements, Social Sciences12
 - 1. Economics6
 - 2. Area II credits other than in economics.....6
- D. Area III Requirements12
 - 1. Two-semester sequence in math8
 - 2. One-semester physical or biological science.....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
- E. An additional 16 hours are required in disciplines other than those administered in the School of Business. These addi-

tional credits must include hours from at least two of the three areas listed below:

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

- Anthropology
- Communication
- Geography
- History
- Political Science
- Psychology
- Psychology
- Sociology

- Biological Sciences
- Mathematics
- Physical Sciences

A major in Accounting, Business Education, Economics, Finance, General Business, Information Sciences, Management, Marketing, Production Management, 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 29.

**BACHELOR OF FINE
ARTS DEGREE**

- A. General University Requirements3-6*
 - 1. English Composition E101, 102.....3-6*
- B. Area I Requirements, Arts & Humanities9
 - 1. Literature.....6
 - 2. Other courses3

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, Social Sciences9
 - 1. Lower Division History3
 - 2. Other courses.....3

No fewer than 3 credits selected from:
 Political Science
 Sociology
 Anthropology
 Communication
 Psychology
 Economics
 Geography

- 3. No fewer than 3 additional credits selected from areas C. 1 and C. 2 above3

- D. Area III Requirements, Natural Science8

A year's sequence chosen from the following:

- Biological Science
 - Mathematics
 - Physical Science**
- or any two of the following:
- Concepts of Chemistry
 - Concepts of Biology
 - Fundamentals of Geology
 - Cultural Approach to Math
 - Foundation of Physical Science
 - Introduction to Descriptive Astronomy

A candidate for the BFA degree must have Art Department approval during his/her junior year

* Determined by student score on ACT exam. See page 29.
 ** The Physical Sciences include C, GO, PS, PH courses.

ACADEMIC INFORMATION

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

BACHELOR OF MUSIC DEGREE MINIMUM REQUIREMENTS (CREDITS)

- A. General University Requirements 3-6*
1. English Composition 3-6*
- B. Area I Requirements, Arts & Humanities 9
1. Literature 3
2. Three credits in a second field 3
3. Three credits in any of the following fields 3
Art—AR
Humanities—HU
Literature**
Music History
Philosophy—PY
Theatre Arts—TA
- C. Area II Requirements, Social Sciences 9
1. History 3
2. Three credits in a second field 3
3. Three credits in any of the following fields 3
Anthropology—AN
Communication—CM
Economics—EC
Geography—GC
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
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 59 in the catalog.

* Determined by student score on ACT exams. See page 15.

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

NOTE: PRE-LAW CURRICULUM

Boise State University does not prescribe a pre-law curriculum; the student's plans should be based on his/her own interests and his/her 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.

NOTE: ASSOCIATE OF ARTS DEGREE PROGRAM

Participation in this program is limited to students residing at the Idaho State Correctional Institution. The curriculum is focused around normal freshman and sophomore general education courses with a broad exposure to the social sciences. A student completing this program will have completed all University general education requirements except possibly one lab science course. The program includes:

English Composition E101, 102	3 or 6 hours
Area I including Literature	12 hours
Area II including History	12 hours
Area III	8 hours
Major Requirements	12 hours
Electives	14 or 17 hours
	<u>64 hours</u>

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

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

MAJORS AND DEGREES OFFERED

SCHOOL OF ARTS AND SCIENCES

DEPARTMENT	PROGRAM MAJOR OPTIONS (IF ANY)	DEGREES
Art	Art, General	BA, BFA
	Art, Secondary Education	BA, BFA, MA
	Advertising Design	BA, BFA
	Pre-Architectural Program	—
Biology	Biology	BS
	Biology, Secondary Education	BS
	Pre-Forestry & Wildlife Mgmt	—
Chemistry	Chemistry	BS
	Chemistry, Secondary Education	BS
Communication	Communication	BA
	Interpersonal Communication	
	Mass Communication	
	Journalistic Communication	
	Communication, Secondary Ed	BA
English	Combination, Comm/English	BA
	Journalism	
	Communication	
Foreign Languages and Literature	German	BA
	German, Secondary Education	BA
	Spanish	BA
	Spanish, Secondary Education	BA
Geology/Geophysics	Geology	BS
	Earth Sci Educ, Secondary Education ...	BS, MS
	Geophysics	BS

History	History..... BA History, Secondary Education..... BA, MA History, Social Sci, Sec Education..... BA
Home Economics	Pre-Home Economics..... —
Mathematics	Mathematics..... BA, BS Mathematics, Sec Education... BA, BS, MA, MS
Music	Music..... BA, BM Performance Theory-Composition Music Education..... BM, MA
Physics/Engineering/Physical Science	Pre-Engineering..... — Physics..... BS Physics, Secondary Education..... BS Construction Management..... BS
Political Science	Political Science..... BA, BS Political Philosophy Amer Govt Sys & Process International Relations Public Administration Polit Sci. Social Sci, Sec Education..... BA, BS Public Administration..... MPA General
Social Work	Social Work..... BA
Sociology/Anthropology/Criminal Justice Admin	Criminal Justice Adm Assoc of Science program..... AS Anthropology..... BA Criminal Justice Admin..... BA, BS Social Science..... AA, BA Sociology..... BA, BS Sociology, Social Science, Secondary Education..... BA Multi-Ethnic Studies..... BA
Theatre Arts	Theatre Arts..... BA Theatre Arts, Secondary Education..... BA

SCHOOL OF BUSINESS

DEPARTMENT	PROGRAM MAJOR OPTIONS (IF ANY)	DEGREES
All Departments	Master of Business Administration.....	MBA
Accounting & Data Processing	Accounting..... Information Sciences.....	BBA, BA, BS, MS BBA, BA, BS
Business Educ & Office Admin	Business Education..... Basic Business Distributive Education Shorthand Office Administration..... Office Systems..... Word Processing Secretarial	BBA, BA, BS, MA BBA, BA, BS AS
Economics	Economics..... Economics, Social Sci, Sec Education...	BBA, BA, BS BA, BS
Management & Finance	Finance..... General Business..... Industrial Business..... Production Management..... Behavioral Quantitative Aviation Industrial Relations Real Estate.....	BBA, BA, BS BBA, BA, BS BBA, BA, BS BBA, BA, BS BBA, BA, BS
Marketing & Mid Mgmt	Marketing..... Mid-Management..... Fashion Merchandising Marketing	BBA, BA, BS AS

SCHOOL OF EDUCATION

DEPARTMENT	PROGRAM MAJOR OPTIONS (IF ANY)	DEGREES
Health/Physical Education/Recreation	Phys Educ., Secondary Education..... Areas of Specialty: Secondary Physical Education Athletic Training Athletic Coaching Elementary Physical Education	BS
Psychology	Psychology.....	BA, BS
Teacher Education/Library Science	Elementary Education..... Areas of Specialty: Driver Education..... Early Childhood Education..... Library Science..... Special Education..... Elem Educ-Bilingual/Multicultural..... MA in Elementary Education..... Content Enrichment Reading Special Education Early Childhood Curriculum and Instruction	BA Endors Certif Endors Certif BA MA

SCHOOL OF HEALTH SCIENCES

DEPARTMENT	PROGRAM MAJOR OPTIONS (IF ANY)	DEGREES
Allied Health Studies	Health Science Studies..... Medical Technology..... Medical Office Assistant..... Medical Record Science..... Radiologic Technology..... Respiratory Therapy.....	BS BS AS AS AS, BS AS
Community & Environmental Health	Environmental Health.....	BS
Nursing	Nursing.....	AS, BS
Preprofessional Studies	Pre-medical & pre-dental..... Biology Chemistry Pre-Dental Hygiene..... Pre-Optometric..... Pre-Pharmacy..... Pre-Physical Therapy..... Pre-Veterinary Medicine Studies..... Pre-Occupational Therapy.....	BS — — — — — BS —

AREA VOCATIONAL-TECHNICAL SCHOOL

DEPARTMENT	PROGRAM MAJOR OPTIONS (IF ANY)	DEGREES
Health Occupations	Dental Assisting..... Surgical Technology..... Practical Nursing.....	Certif Certif Certif
Heavy Technologies	Air Conditioning, Refrigeration and Heating..... Mechanical Plant Maintenance..... Machine Shop..... Electrical Lineman..... Welding 9 month..... Welding 2 year.....	Certif Certif Diploma Certif Certif Diploma
Light Technologies	Electronic-Mechanical Service Technician Consumer Electronics..... Business Machine Technology.....	AAS AAS

ACADEMIC INFORMATION

Pre-Technical Sequence —
 Drafting Technology AAS
 Electronics AAS
 Wastewater Technology Certif

Mechanical Technologies

Auto Body Certif
 Automotive Mechanics Certif
 Heavy Duty Mechanics—Diesel Certif
 Parts Counterman Certif
 Small Engine Repair Certif

Service Occupations

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





SCHOOL OF ARTS & SCIENCES

*Dean: William J. Keppler, PhD
Associate Dean: Margaret Peek, PhD*

PHILOSOPHY

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

OBJECTIVES

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

ACTIVITIES

THE COLD-DRILL

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

WESTERN WRITERS SERIES

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

PERFORMANCES, EXHIBITIONS, WORKSHOPS

Membership in the various groups and organizations engaged in extracurricular activities is available to all students who qualify. These groups offer opportunities for growth and participation beyond curricular requirements.

Students may participate in art exhibits in the Liberal Arts Building, Library, and Student Union gallery areas; extensive in-

SCHOOL OF ARTS & SCIENCES

tramural and intercollegiate offerings of the Department of Communication including Debate, Reader's Theatre; and productions of plays from both the classical and modern repertoires in the University's unique Subal Theatre and Special Events Center; and through the medium of student recitals, organizations, and ensembles of the Department of Music including Band, Orchestra, Choir, and Musical Theatre and Opera. Students may also join in "American Historical Tours" presented by the University each year, as well as science fairs, environmental workshops, etc.

DEPARTMENT OF ART

Liberal Arts Bldg., Rm. 252 Phone 208/385-1230
 Chairman and Professor: Dr. Louis A. Peck; Professors: Huff, Killmaster, Kober, Škov, Takehara; Associate Professors: Douglass, Heap, Ochi, Oravéz, Roberts, Russell, Watia; Assistant Professors: Benson, Blankenship, Taye, Taylor; Instructors: Hoopes, Smith, Thomson

ART MAJOR Lower Division — All Degrees (Suggested Program)

I. General Art

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
Basic Design AR 105-106.....	3	3
Elementary Drawing AR 111-112.....	2	2
Elementary Painting AR 113-114.....	2	2
Art History AR 101-102.....	3	3
Lettering AR 107.....	2	—
Lettering and Layout AR 108.....	—	2
English Composition E 101-102.....	3	3
History (Area II).....	3	3
Electives.....	—	3
	16-18	16-18

SOPHOMORE YEAR:

Intermediate Drawing AR 211-212.....	2	2
Intermediate Painting AR 215-217, 218, 219 ..	2	2
Intro to Music or Drama (Area I).....	3	—
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:

Intermediate Drawing AR 211.....	2	—
Intermediate Painting AR 215, 217, 218, 219 ..	2	2
Foundations of Education TE 201.....	—	3
General Psychology (Area II) P 101.....	3	—
Intro to Music or Drama (Area I).....	—	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:

Intermediate Drawing AR 211.....	2	—
Intermediate Painting AR 215, 217, 218, 219 ..	2	2
Advertising Design AR 203.....	2	2
Intro to Music or Drama (Area I).....	3	—
Social Science (Area II).....	—	3
Lab Science or Mathematics (Area III).....	4	4
Electives.....	3	5
	16	16

I. General Art — Bachelor of Arts Program

1. General University & Basic Core Requirements	51
2. a) Art Major Requirements	
Painting and/or Watercolor AR 113, 114, 217, 218	6
Drawing AR 111, 112	6
Art History.....	9
Design AR 105, 106	6
Ceramics AR 225	2
Sculpture AR 231	2
Printmaking AR 209.....	2
Art Metals or Weaving AR 221	2
Senior Seminar AR 498	3
	38

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, Art Metals or Weaving, Photography.

3. Electives	41
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II. Art Education — Bachelor of Arts Program

1. General University & Basic Core Requirements	51
2. Art Major Requirements	
Painting	6
Watercolor	4
Drawing	6
Design	6
Art History.....	6
Ceramics	2
Sculpture.....	2
Printmaking	2
Crafts	2
Lettering	2
Senior Seminar	3
	41

3. Education Requirements for Qualification Toward

State Certification	
Audio-Visual Aids (Optional) TE 356.....	2
Foundations of Education TE 201	3
Secondary School Methods TE 381	3
Educational Psychology P 325.....	3
Art Methods in Secondary Schools AR 351	3
Elementary School Art Methods AR 321	3
Secondary Student Teaching TE 481	6
	19-21

4. Electives.....	15-13
	128*

I. Art/Advertising Design — Bachelor of Arts Program

1. General University & Basic Core Requirements	51
2. Art Major Requirements	
Advertising Design	10
Watercolor and/or Painting	8
Drawing	6
Advertising Illustration	6
Design	6
Lettering/Lettering & Layout.....	4
Art History.....	6
Printmaking	2
Creative Photography	2
Senior Seminar	3
	53
3. Electives	24

I. General Art—Bachelor of Fine Arts Degree

1. General University & Core Requirements	32
2. a) Art Major Requirements	
Painting	8
Drawing	8
Art History.....	12
Watercolor	4
Design	6
Printmaking	2
Sculpture	2
Ceramics	2
Art Metals or Weaving	2

Senior Seminar	3
Art Electives	14
	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	31
	128*
II. Art Education — Bachelor of Fine Arts	
1. General University & Core Requirements	32
2. a) Art Major Requirements	
Painting	8
Drawing	8
Art History	9
Watercolor	4
Design	6
Printmaking	2
Sculpture	2
Ceramics	2
Crafts	2
Lettering	2
Senior Seminar	3
	48
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
	19-21
4. Electives	27-25
	128*
III. Art/Advertising Design — Bachelor of Fine Arts Degree	
Advertising Design Emphasis	
1. General University & Core Requirements	32
2. Art Major Requirements	
Advertising Design	10
Painting	8
Drawing	8
Watercolor	4
Design	6
Sculpture, Ceramics, Art Metals or Weaving	4
Lettering/Lettering & Layout	4
Art History	12
Creative Photography	2
Printmaking	2
Advertising Illustration	6
Senior Seminar	3
	27
3. Professional Electives	27
	128*

*A minimum of 40 credit hours of a total 127 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.

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

Introduction to Art AR 103	3
Basic Design AR 105-106	6
Drawing AR 111-112	4

Spec. Topics: History of American Architecture I, II AR 297	6
Spec. Topics: Design & The Creative Process AR 297	2
Interior Decorating AR 131	2
Spec. Topics: Architectural Graphic Communication AR 297	2
Spec. Topics: Basic Architectural Design AR 297	2
Spec. Topics: Materials & Methods AR 297	3
Watercolor AR 217	2
Engineering Courses	
Technical Drawing EN 101	2
Digital Computer Program EN 104	2
English Courses	
English Composition EM 101-102	
Mathematics Courses	
Algebra & Trigonometry M 111	
Calculus & Analytical Geometry M 112	
Physics Courses	
General Physics PH 101-102	
Physical Education Requirements may be necessary	

**COURSE OFFERINGS
AR ART**

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

LOWER DIVISION

AR 100 Basic Drawing and Painting For Non-Art Majors (0-4-2) (F/S). 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.

AR 101 Survey of Western Art (3-0-3) (F). A historical survey of Painting, Sculpture, and Architecture from Prehistoric Art through the Middle Ages.

AR 102 Survey of Western Art II (3-0-3) (S). A historical survey of Painting, Sculpture, and Architecture from the Renaissance to the present.

AR 103 Introduction to Art (3-0-3) (F/S). A one-semester course designed to acquaint the general college student with the aesthetics of Painting, Sculpture, Architecture, and related Art forms.

AR 105 Basic Design (2-2-3). A two or three dimensional theoretical and applied study of the basic design elements underlying all Art areas.

AR 106 Basic Design (2-2-3). 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. Advisable to take AR 105 prior to AR 106.

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

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

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

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

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

AR 114 Painting (0-4-2). (F/S). A continuation of AR 113 problems with increased emphasis on color, composition, and contemporary concepts in painting. A variety of subject matter will be painted in oil, acrylic or other media. Advisable to take AR 113 prior to AR 114. Limited enrollment fall semester.

AR 115 Landscape Painting (0-6-3) (SU). Various styles and techniques in landscape painting in oil, watercolor and related media. Field trips. First summer session.

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

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

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

SCHOOL OF ARTS & SCIENCES

AR 203 Advertising Design (0-4-2) (F). Special assignments in various techniques employed in advertising and commercial art, problems in layout, typography, and reproduction processes will be emphasized. Advisable to take AR 105, 106, 107 and 108 prior to AR 203.

AR 204 Advertising Design (0-4-2) (S). Advanced work in various techniques employed in advertising and commercial art. Advisable to take AR 203 prior to AR 204.

AR 209 Introduction to Printmaking (0-4-2) (F/S). 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.

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

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

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

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

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

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

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

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

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

AR 226 Ceramics (0-4-2) (S). Beginning the use of the potter's wheel, molding, casting and constructing. Advisable to take AR 105 and 106 prior to AR 226.

AR 231 Sculpture (0-4-2) (F). Work in a variety of three dimensional material with emphasis on the techniques of carving, modeling and casting. Advisable to take AR 105 or 106 prior to AR 231.

232 Sculpture (0-4-2) (S). Continued work in a variety of three dimensional materials with emphasis on the techniques of carving, modeling, and casting. Advisable to take AR 231 prior to AR 232.

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

UPPER DIVISION

AR 301 Nineteenth Century Art History (3-0-3) (F). A study of important artists and movements from Neoclassicism through Post-Impressionism.

AR 302 History of Twentieth Century Movement in Art (3-0-3) (S). An analysis of important European artistic movements up to World War II, including Fauvism, German Expressionism, Cubism, Futurism, Constructivism, Dada and Surrealism.

AR 303 Studio in Advertising Design (0-6-3) (F/S). Advanced study of the design and preparation of art for reproduction, techniques and studio practices. Advisable to take AR 203 and 204 prior to AR 303. May be repeated once for credit.

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

AR 307 Studio in Metalsmithing (0-6-3) (F/S). Advanced study in materials of jewelry making and metalsmithing with special emphasis on forging, stonesetting, cutting, and mechanical techniques as further personal development of craftsmanship. May be repeated once for credit. Prerequisite: AR 221, 222.

AR 309 Studio in Printmaking (0-6-3). 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.

AR 311 Advanced Drawing (0-6-3) (F/S). Structural, interpretive, or compositional study from the model or other subject matter, based on individual interests. Model fee. May be repeated once for credit. Prerequisite: AR 212.

AR 315 Studio in Painting (0-6-3). Creative work in representational or nonrepresentational areas in any media. May be repeated once for credit. Prerequisite: AR 215.

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

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

AR 319 Portrait and Figure Painting (0-6-3). Painting from models in realistic or semi-abstract styles based on individual interests. Model fee. May be repeated for credit. Prerequisite: AR 219 and Upper Division status.

AR 321 Elementary School Art Methods (2-2-3) (F/S). For students expecting to teach in the elementary schools. This course is especially designed to help prospective

teachers construct outlines of courses for creative art activities in the elementary grades. Progressive methods and materials conducive to free and spontaneous expression are stressed.

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

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

AR 341 Studio in Creative Photography (2-4-3) (F/S). Advanced study of photographic techniques, emphasis on the creative approach to picture taking and printing. Adjustable camera required. Advisable to take AR 251 prior to AR 341.

AR 344 Studio in Creative Photography, Color Printing (2-4-3) (F/S). Advanced study of photographic techniques; emphasis on the creative approach to picture taking and printing in color. Adjustable camera required. May be repeated for credit. Prerequisite: AR 251 or PERM/INST.

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

AR 351 Secondary School Art Methods (2-2-3) (F). Art education on the junior high school and senior high school levels. Includes current literature in art education, budgeting, curriculum, planning.

AR 361 Studio in Advertising Illustration (0-6-3) (F/S). Advanced study emphasizing techniques and methodology of illustrating finished art for ads. Fundamental approaches to story, product, fashion and decorative illustration with emphasis on building a portfolio. Advisable to take AR 203 and 204 prior to AR 361. May be repeated for credit.

AR 371 History of Twentieth Century American Art (3-0-3) (F). Beginning with a short survey of American Art from the Ashcan School through the Thirties with concentration on Abstract Expressionism, Pop. Op., and Minimal. Class presentations will be expected of students; critical writings will be assigned. Advisable to take AR 302 prior to AR 371.

AR 409 Studio in Printmaking (0-6-3) (F/S). Concentrated work in any one of the following areas: woodcut, lithography, intaglio, and serigraphy. May be repeated for credit.

AR 411 Drawing Studio (0-6-3) (F/S). Individual problems in drawing. Model fee. May be repeated for credit. Prerequisite: AR 311.

AR 415 Studio in Painting (0-6-3). Individual problems in painting in any media. Students will participate in one-person senior show projects. May be repeated for credit. Prerequisite: AR 315.

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

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

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

AR 431 Studio in Sculpture (0-6-3). Continued study in the material and methods of the sculptor with emphasis on welded steel and casting. Advisable to take two semesters of AR 331 prior to AR 431. May be repeated for credit.

AR 441 Studio in Creative Photography (2-4-3) (F/S). Individual problems in black and white photography. Advisable to take AR 251 and AR 341. May be repeated for credit.

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

DEPARTMENT OF BIOLOGY

Science-Education Bldg., Rm. 223 Phone 208/385-3262

Chairman and Associate Professor: Rychert; *Professors:* Baker, Fritchman, Fuller, Jones, Pappenfuss; *Associate Professors:* Centanni, Kelley, Long, McCloskey, Rychert, Wicklow-Howard, Wyllie, Yensen.

REQUIREMENTS FOR BIOLOGY MAJOR

- I. Bachelor of Science Option
 - 1. General University and Baccalaureate Degree Requirements. See pages 30-33 30
 - 2. Major Requirements
 - A. Biology 45
 - 1. Biology Core 13
 - General Botany BT 130 4
 - General Zoology Z 130 5
 - Cell Biology B 225 3
 - Biology Seminar B 498, 499 1

BIOLOGY MAJOR
Bachelor of Science
(Suggested Program)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102.....	3	3
General Botany BT 130.....	4	—
General Zoology Z 130.....	—	5
College Chemistry C 131-134.....	4	5
Mathematics.....	5	5
	16	18
SOPHOMORE YEAR:		
Organic Chemistry C 317, 319.....	5	—
Cell Biology B 225.....	—	3
Electives (Area I).....	6	3
Electives (Area II).....	3	6
Other Electives.....	—	3
	14	15
JUNIOR YEAR:		
Electives (Area I, II).....	3	3
Biology Electives.....	8	8
Other Electives.....	—	3
	14	15
SENIOR YEAR:		
Biology Seminar B 498.....	1	—
Biology Electives.....	8	8
Other Electives.....	7	9
	16	17

BIOLOGY MAJOR
SECONDARY EDUCATION OPTION
Bachelor of Science
(Suggested Program)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102.....	3	3
General Botany BT 130.....	4	—
General Zoology Z 130.....	4	5
College Chemistry C 131-134.....	4	5
Mathematics.....	5	5
	16	18
SOPHOMORE YEAR:		
Organic Chemistry C 317, 319.....	5	—
Microbiology B 205.....	4	—
Cell Biology B 225.....	—	3
Foundations of Education TE 201.....	—	3
General Psychology P 101.....	3	—
Electives (Area I).....	3	3
Electives (Area II).....	—	3
Other Electives.....	—	3
	15	15
JUNIOR YEAR:		
Educational Psychology P 325.....	3	—
Secondary School Methods TE 381.....	—	3
Teaching Science in the Secondary School B 305.....	—	3
Electives (Area I, II).....	6	3
Genetics B 343.....	4	—
Biology Electives.....	4	8
	17	17
SENIOR YEAR:		
Biology Seminar.....	1	—
Biology Electives.....	4-8	—
Education Courses.....	4	9-14
Other Electives.....	3	6
	12-16	15-20

2. Physiology — one course.....	4
Plant Physiology BT 401.....	4
Human Physiology Z 401.....	4
General & Comparative Physiology Z 409.....	4
3. Morphology — one course.....	3-4
Plant Anatomy BT 302.....	3
Plant Morphology BT 311.....	4
Comparative Vertebrate Anatomy Z 301.....	4
Vertebrate Embryology Z 351.....	4
Vertebrate Histology Z 400.....	4
4. Natural History — one course.....	3-4
General Parasitology B 412.....	3
Systematic Botany BT 201.....	4
Entomology Z 305.....	4
Invertebrate Zoology Z 307.....	4
Vertebrate Natural History Z 355.....	4
5. Biology/Microbiology — one course.....	3-5
Microbiology B 205.....	4
General Bacteriology B 303.....	5
Genetics B 343.....	3-4
Organic Evolution B 401.....	3
Bioecology B 423.....	3-4
6. Biology Electives to total 45 credits.....	15-19
A maximum of 4 credits of independent study may be counted towards fulfillment of the Biology Electives.	
B. Chemistry.....	14
1. College Chemistry C 131-134.....	9
2. Organic Chemistry C 317, 319.....	5
C. Mathematics.....	10
Actual courses will vary depending on the goals of the particular student, but typically any of the following courses could be used to satisfy this requirement:	
Algebra and Trigonometry M 111.....	5
Calculus and Analytic Geometry M 204.....	5
3. Recommended Electives.....	29
1. Area I & II Electives.....	
2. Biochemistry C 431, 432.....	
3. Introduction to Biophysics PH 207.....	
4. Earth Science Electives.....	
II. Secondary Education Option — Major Endorsement	
1. General University and Baccalaureate Degree Requirements — see pages 30-33.....	30
2. Major Requirements.....	61-64
A. Biology.....	37-40
1. Biology Core.....	13
2. Microbiology B 205.....	4
3. Genetics B 343, 344.....	4
4. Physiology BT 401, Z 409.....	4
5. Biology Electives.....	12-15*
Ecology B 423, 424.....	3-4
Systematic Botany BT 201.....	4
Entomology Z 305.....	4
Invertebrate Zoology Z 307.....	4
Vertebrate Natural History Z 355.....	4
3. Education Requirements to include Science Methods — see pages.....	25-30
4. Electives.....	4-12
*A maximum of 4 credits of independent study may be counted towards fulfillment of the Biology Electives.	
III. Secondary Education Option — Minor Endorsement	
1. General University and Baccalaureate Degree Requirements - see pages 30-33.....	30
2. Major Requirements.....	30
3. Minor Endorsement in Biology.....	25
Essentials of Chemistry C 107-110.....	9
General Biology B 101, 102.....	8
Microbiology B 205.....	4
Genetics B 343, 344.....	4
4. Education Requirements — see pages.....	25-30
5. Electives.....	13-18

SCHOOL OF ARTS & SCIENCES

PREFORESTRY AND WILDLIFE MANAGEMENT

This program is designed to satisfy the Lower Division coursework typically completed during the freshman and sophomore year in a School of Forestry. Students wishing to earn a bachelors degree in this area of study usually transfer to the University of Idaho School of Forestry for their junior and senior years.

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
General Botany BT 130	4	—
General Zoology Z 130	—	5
Essentials of Chemistry C 107-110	4	5
Mathematics	5	5
	16	18
SOPHOMORE YEAR:		
General Physics PH 101, 102	4	4
General Forestry FS 101	—	2
Systematic Botany BT 201	—	4
Fundamentals of Speech CM 111	3	—
Basic Surveying EN 215	2	—
Digital Computer Programming EN 124	2	—
Principles of Economics EC 201-202	3	3
Physical Education	1	1
	15	14

COURSE OFFERINGS

B BIOLOGY

LOWER DIVISION

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

B 101, 102 General Biology (3-2-4) (F/S) (Area III). A one year sequence for non-Biology majors. A study of plant and animal life with emphasis on structure, function, genetics, development ecology, and evolution of these life forms. Interrelations to society are also discussed. (Students who have received credit for B 100, BT 130 or Z 130 may not also receive credit for B 101-102.)

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

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

B 225 Cell Biology (3-0-3) (F/S). Structure and function in prokaryotic and eukaryotic cells, cellular energetics and metabolism, mitochondria and chloroplasts, cell and organelle genetics, chromosomal aberrations, and medical applications of Cell Biology. Prerequisite: One year of college Biology and prior or concurrent enrollment in Organic Chemistry.

UPPER DIVISION

B 303 General Bacteriology (3-6-5) (F). A general survey of the field of Bacteriology; techniques, cytology, taxonomy, growth, physiology, ecology, genetics, evolution, control, medical aspects and immunology. Prerequisite: C 317, B 225, PERM/INST.

B 305 Teaching Science in the Secondary School (3-0-3) (S). An introduction to the subject matter of science and the process of scientific inquiry. The nature of science is studied in terms of methods and objectives applicable to science teaching. Emphasis is placed on communicating scientific ideas, effective methods of instruction and evaluation, and available curricular materials. Offered alternate years.

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

B 343 Genetics—Lecture (3-0-3) (F). A study of the principles of Genetics as they relate to living organisms. Prerequisite: BT 130, Z 130, PERM/INST.

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

B 401 Organic Evolution (3-0-3) (S). Philosophical basis and historical development of evolutionary theory. Detailed examination of genetic variation, mechanisms of evolutionary change, adaptation, speciation, and phylogeny. Genetics recommended. Offered alternate years. Prerequisite: BT 130, Z 130, PERM/INST.

B 412 General Parasitology (2-3-3) (S). Animal parasites with emphasis on those of man and his domestic animals. Lectures cover general Biology, life history, structure, function, distribution, and significance of parasites. Laboratory provides experience in identification and detection. Prerequisite: B 225, PERM/INST.

B 415 Applied and Environmental Microbiology (3-0-3) (S). Microbial populations and processes in soil and water. Nutrient cycling. Biogeochemistry. Organic matter decomposition. Transformations of recalcitrant molecules. Water and food-borne pathogens. Waste water treatment. Food microbiology. Prerequisite: B 303, PERM/INST.

B 416 Applied and Environmental Microbiology Laboratory (0-3-1) (S). Microbiological and biochemical methods of environmental assessment. Prior to concurrent enrollment of B 415. Prerequisite: B 303, PERM/INST.

B 420 Immunology (3-0-3) (F). A survey of the principles of immunology, host defense systems, the immune response, immune disorders, serology and other related topics. Representative laboratory procedures will be demonstrated. Prerequisite: B 303, PERM/INST.

B 423 Bioecology (3-0-3) (S). A survey of the physical factors of the environment and their effect of the mode of life and distribution of plants and animals. Environmental and biological interrelationships of organisms will be discussed. Prerequisite: BT 130, Z 130, PERM/INST.

B 424 Bioecology Laboratory (0-3-1) (S). Field and laboratory investigations into topics of physical habitats, populations, pollution, etc. Weekend field trips may be taken. Prior or concurrent enrollment in B 423 required.

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

BT BOTANY

LOWER DIVISION

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

BT 130 General Botany (3-3-4) (F/S) (Area III). An introduction to a plant biology which includes the study of cells, genetics, whole plant physiology and functions, ecology, classification, and economic importance.

BT 201 Systematic Botany (2-4-4) (S). The several systems of classification are discussed; terms used in taxonomic literature must be mastered. Keys and manuals are used to identify collected specimens of local flora. Prerequisite: BT 130, PERM/INST.

UPPER DIVISION

BT 302 Plant Anatomy (2-4-3) (S). A study of the structure and development of vascular plant tissues, regions, and organs. Emphasis will be placed on the Angiosperms. Prerequisite: BT 130, B 225, PERM/INST.

BT 311 Plant Morphology (3-4-4) (F). A comparative study of the structure, function, reproduction, and development of major plant groups. Phylogeny, Paleobotany, and economic importance of various plant groups will be considered. Prerequisite: BT 130, B 225, PERM/INST.

BT 330 Mycology (3-3-4) (F). A study of the biology of fungi with emphasis on their classification, morphology and development, identification, ecology, and economic significance. Laboratory work will include projects and field trips. Prerequisites: BT 130, PERM/INST.

BT 401 Plant Physiology (3-3-4) (F). Emphasis placed on physical and chemical processes of plant body functions. Includes coverage of cell, tissue, and organ functions; mineral requirements; metabolism, water uptake, photosynthesis; soil chemistry; and the alkaloids and glucosides synthesized by plants. B 302 and PH 101, 102 recommended. Prerequisite: B 225, C 317, PERM/INST.

FS FORESTRY

LOWER DIVISION

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

Z ZOOLOGY

LOWER DIVISION

Z 107 Concepts of Human Anatomy and Physiology (3-2-4) (F/S). A survey of human structure and function with emphasis on regulatory mechanisms of the body. This is a terminal course and does not satisfy allied health program requirements.

Z 111, 112 Human Anatomy and Physiology (3-3-4). A two-semester sequence for students whose career objectives require a thorough study of human anatomy and physiology. Z 107 cannot be substituted for either semester of this sequence. One semester of this sequence cannot be substituted for Z 107. Prior to concurrent enrollment in C 107 is recommended.

Z 130 General Zoology (3-6-5) (F/S) (Area III). Introductory study of animals. Fundamentals of structure, function, development, life cycles, diversity, heredity, evolution, and ecology.

UPPER DIVISION

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

Z 305 Entomology (2-6-4) (F). Biology of insects with emphasis on identification and life cycles. Laboratory includes field trips to collect and identify local species. Insect collection required. Students should meet with instructor the spring semester before enrolling to receive directions on how to properly collect if they wish to take advantage of the more productive summer months. Prerequisite: B 225, PERM/INST.

Z 307 Invertebrate Zoology (2-6-4) (S). Morphology, taxonomy, and natural history of the marine invertebrate animals and terrestrial arthropods exclusive of the insects. Offered in alternate years. Prerequisite: Z 130, PERM/INST.

Z 341 Ornithology (2-3-3) (S). Birds as examples of biological principles: classification, identification, ecology, behavior, life histories, distribution, and adaptations of birds. Two weekend field trips. Offered alternate years. Prerequisite: Z 130, PERM/INST.

Z 351 Vertebrate Embryology (2-6-4) (S). Germ cell development, comparative patterns of cleavage and gastrulation, neurulation and induction, and development of human organ systems. Laboratory studies of frog, chick, and pig development. Prerequisite: BT 130, Z 130, PERM/INST.

Z 355 Vertebrate Natural History (2-6-4) (F). Classification, identification, evolution, ecological relationships, behavior, and life histories of fish, amphibians, reptiles, birds, and mammals. Two weekend field trips. Prerequisite: Z 130, PERM/INST.

Z 361 Microtechnique (1-6-3) (S). Theory and practical application of procedures involving fixation, staining, preparation of paraffin sections and whole mounts, and histochemical techniques. Offered alternate years. Prerequisite: Z 130, PERM/INST.

Z 400 Vertebrate Histology (2-6-4) (F). Microscopic anatomy of cells, tissues, and organ systems of vertebrates. Major emphasis will be on mammalian systems. Z 301 or Z 351 are recommended prior to enrollment. Prerequisite: B 225, PERM/INST.

Z 401 Human Physiology (3-3-4) (S). Functional aspects of human tissue and organ systems with emphasis on regulatory and homeostatic mechanisms. Prerequisite: B 225, C 317, PERM/INST.

Z 409 General and Comparative Physiology (3-3-4) (S). Physiological principles common to all forms of animal life are discussed. Physiological adaptations required to live in a variety of environments are presented. Prerequisite: B 225, C 317, PERM/INST.

Z 411 Ichthyology (3-3-4) (F). A survey of the fishes with emphasis on their taxonomic identification, morphology, physiology, ecology, and economic role. Offered alternate years. Prerequisite: Z 355, PERM/INST.

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

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

(Suggested Program)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101, 102	3	3
College Chemistry C 131, 132, 133, 134	4	5
Mathematics M 111, 204	5	4-5
Degree Requirements	3	—
Physics I PH 220	—	3
	15	15-16

SOPHOMORE YEAR:		
Quantitative Analysis C 211, 212	5	—
Mathematics M 205, 206	4	4
Physics II and III PH 221, 222	3	3
Physics Lab I and II PH 223, 224	1	1
Degree Requirements	3	9
	16	17

JUNIOR YEAR:		
Physical Chemistry C 321, 322, 323, 324	4	4
Organic Chemistry C 317, 318, 319, 320	5	5
Degree Requirements or Electives	6-8	6-8
	15-17	15-17

SENIOR YEAR:		
Chemistry Seminar C 498, 499	1	1
Advanced Inorganic Chemistry C 401	3	—
Instrumental Analysis C 411	—	4
Independent Study C 496	1	1
Degree Requirements or Electives	12	9
	17	15

- II. Secondary Education Option:
This degree program prepares the student to teach Chemistry in secondary schools.
 1. General University and Baccalaureate Degree Requirements. See page 29.
 2. Major Endorsement Requirements
 - A. Chemistry 37-38
 - College Chemistry C 131, 132, 133, 134 9
 - Quantitative Analysis C 211, 212 5
 - Organic Chemistry C 317, 318, 319, 320 10
 - Physical Chemistry C 321, 322, 323, 324 8
 - Additional Upper Division Course(s) 3-4
 - B. Mathematics
 - Completion of Mathematics through M 206
 - C. Physics
 - Physics Sequence
 - PH 220, 221, 222, 223 11
 3. Idaho Certification Requirements 22
 - Foundations of Education TE 201 3
 - Education Exceptional Secondary Students TE 333 1
 - Educational Psychology P 325 3
 - Secondary School Methods TE 381, C 305 6
 - Senior High School Student Teaching TE 483 8
 - The Senior High School TE 487 1

NOTE: The Idaho Professional Standards Commission now requires a year of Biology.

(Suggested Program)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
College Chemistry C 131, 132, 133, 134	4	5
Mathematics M 111, 204	5	4-5

DEPARTMENT OF CHEMISTRY

Science-Education Bldg., Rm. 315 Phone 208/385-3963

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

The Department of Chemistry offers Baccalaureate Degree programs in Chemistry to prepare students to:

- teach Chemistry in secondary schools
- enter a career in the Chemistry laboratory
- attend a graduate school in Chemistry or Biochemistry
- attend a professional school in medicine

The Chemistry curriculum of Boise State University offers an education based upon employment requirements of industry, educational institutions, and governmental agencies, while emphasizing the individual needs and capabilities of each student. The staff of the Chemistry Department recognizes that students are most successful if their training has prepared them for a specific career field, but also recognizes that a broad background affords the best opportunity for a future career selection.

REQUIREMENTS FOR CHEMISTRY MAJOR

- I. Liberal Arts Option:
This degree prepares the student for employment as a chemist or for admission to medical school.
 1. General University and Baccalaureate Degree Requirements. See pages 29.
 - A. Chemistry 44
 - College Chemistry C 131, 132, 133, 134 9
 - Organic Chemistry C 317, 318, 319, 320 10
 - Physical Chemistry C 321, 322, 323, 324 8
 - Quantitative Analysis C 211, 212 5
 - Advanced Inorganic Chemistry C 401 3
 - Instrumental Analysis C 411 4
 - Chemistry Seminar C 498, 499 2
 - Independent Study C 496 2
 - B. Mathematics 10-18
 - Completion of Mathematics through Calculus M 206
 - C. Physics PH 220, 221, 222, 223, 224 11

SCHOOL OF ARTS & SCIENCES

Degree Requirements	3	—
Physics I PH 220	—	3
	15	15-16
SOPHOMORE YEAR:		
Quantitative Analysis C 211, 212	5	—
Mathematics M 205, 206	4	4
Physics Lab I and II PH 223, 224	1	1
General Psychology P 101	3	—
Degree Requirements	—	6
Foundations of Education TE 201	—	3
	16	17
JUNIOR YEAR:		
Physical Chemistry C 321, 322, 323, 324	4	4
Organic Chemistry C 317, 318, 319, 320	5	5
Educational Psychology P 325	3	—
Teaching Science in Secondary School C 305	—	3
Degree Requirements or Electives	3	3
	15	15
SENIOR YEAR:		
Upper Division Chemistry Course	3	—
Chemistry Seminar C 498, 499	1	1
Secondary School Methods TE 381	—	3
Senior High School Teaching TE 483	—	8
The Senior High School TE 487	—	1
Educating Exceptional Secondary Students TE 333	1	—
Degree Requirements and Electives	12	—
	17	13

Students who do not have a Chemistry degree may be certified to teach Chemistry in secondary schools. Refer to page 102 of this Catalog where minor certification endorsements for teaching areas are listed in the Department of Teacher Education.

COURSE OFFERINGS

C CHEMISTRY

LOWER DIVISION

- C 109 Concepts of Chemistry (3-3-4) (S) (Area III).** A descriptive nonmathematical course designed to acquaint students with the science of Chemistry and the relationship of Chemistry to other fields of study and to modern life. This course cannot serve as a prerequisite to any other Chemistry course, nor will it serve as part of a Chemistry sequence. Students who have received credit for C 109 or C 133 may not receive credit for C 109.
- C 103 Preparation for Chemistry (0-3-1).** Lectures and recitations for students lacking necessary background for essentials of Chemistry. Mathematics, basic definitions, and basic concepts of Chemistry. To be taken prior to or concurrently with C 107.
- C 107 Essentials of Chemistry (3-0-3) (Area III).** The first semester of a sequence course for non-science majors who require only one year of Chemistry. Basic concepts of inorganic and organic Chemistry. Prerequisite: High School Chemistry or C 103 or concurrent enrollment in C 103. Concurrent enrollment in 108 is required.
- C 108 Laboratory for Essentials of Chemistry (0-3-1) (Area III).** The laboratory to accompany C 107. Concurrent enrollment in C 107 is required.
- C 109 Essentials of Chemistry (3-0-3) (S, SU) (Area III).** A continuation of C 107 to include basic concepts of Biochemistry. Prerequisite: C 107 and 108. Concurrent enrollment in C 110 is required.
- C 110 Laboratory for Essentials of Chemistry (0-6-2) (S, SU) (Area III).** The laboratory to accompany C 109. Prerequisite: C 107, 108. Concurrent enrollment in C 109 is required.
- C 131 College Chemistry (3-0-3) (F, SU) (Area III).** The first semester of a one-year sequence course. A thorough study of the fundamentals of Chemistry including atomic and molecular structure, stoichiometry, physical states, and solutions. Prerequisite: M 111 or 115. Concurrent enrollment in C 132 is required.
- C 132 Laboratory for College Chemistry (0-3-1) (F, SU) (Area III).** Laboratory work to accompany C 131. Concurrent enrollment in C 131 is required.
- C 133 College Chemistry (3-0-3) (S, SU) (Area III).** A continuation of C 131 to include equilibrium, redox, and complex ions. Prerequisite: C 131, 132.
- C 134 Laboratory for College Chemistry (0-6-2) (S, SU) (Area III).** Laboratory work to accompany C 133. To include qualitative analysis. Prerequisite: C 131, 132.
- C 211 Quantitative Analysis (3-0-3) (F).** Study of the equilibrium relationships and methods used in gravimetric, volumetric, and some instrumental analysis. Prerequisite: C 131, 132, 133, 134.
- C 212 Quantitative Laboratory Technique (0-6-2) (F).** Practical applications of quantitative analytical techniques through the analysis of unknown samples using gravimetric, volumetric, and some instrumental methods. Prerequisite: C 211 or concurrent enrollment.

UPPER DIVISION

- C 305 Teaching Science in the Secondary School (3-0-3) (S).** An introduction to the subject matter of science and the process of scientific inquiry. The nature of science is studied in terms of methods and objectives applicable to science teaching. Emphasis is placed on communicating scientific ideas, effective methods of instruction and evaluation, and available curricular materials. Alternate years.
- C 317 Organic Chemistry Lecture (3-0-3) (F).** An overview of Organic Chemistry covering the fundamental principles of nomenclature, reactions, synthesis, mechanisms, stereochemistry, proteins and carbohydrates. Will fulfill the requirements for an elementary organic course and partially fulfill the requirement for a more rigorous course. Prerequisite: C 131, 132, 133, 134. Concurrent credit enrollment in C 319 is required.
- C 318 Organic Chemistry Lecture (3-0-3) (S).** An in-depth study of organic reaction mechanisms, reaction theory, and advanced organic synthesis. Prerequisite: C 317, 318, 319.
- C 319 Organic Chemistry Laboratory (0-6-2) (F).** This course covers basic laboratory techniques used in Organic Chemistry and selected compound preparations. Concurrent enrollment in C 317 is required.
- C 320 Organic Chemistry Laboratory (0-6-2) (S).** This course covers spectroscopic methods, special interpretation, and qualitative organic analysis. Prerequisite: C 319. Concurrent credit enrollment in C 318 is required.
- C 321, 322 Physical Chemistry Lecture (3-0-3) (FS).** The fall semester will cover gases, point symmetry, 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 absorption. Prerequisite: C 131, 132, 133, 134, PH 102 or 221, M 206 or equivalent.
- C 323, 324 Physical Chemistry Laboratory (0-3-1) (FS).** Laboratory experiments paralleling the material covered by the lectures. Prerequisite: C 321, 322 or concurrent enrollment. A year's sequence (fall and spring).
- C 341, 342 Glassblowing (0-3-1).** C 341 acquaints students with the basics of scientific glassblowing. C 342 gives students practice in techniques and in construction of more complex apparatus. Prerequisite: Junior Standing. Offered on demand.
- C 401G Advanced Inorganic Chemistry (3-0-3) (F).** Quantum mechanical overview of atomic and molecular structure, bonding in ionic, covalent, and complex ions, nonaqueous solutions, and selected properties of elements of the periodic table and inorganic compounds. Prerequisite: C 322, PERM/INST.
- C 411G Instrumental Analysis (2-3-4) (S).** Theory and practice of the more common instrumental methods of analysis, laboratory experience with commercial instruments. Prerequisite: C 211, 320. C 320 may be taken currently with C 411.
- C 431G Introduction to Biochemistry (3-0-3) (F).** A study of the chemistry of biologically important compounds and an introduction to metabolism. Prerequisite: C 317.
- C 432G Biochemistry Laboratory (0-3-1) (S).** Identification, isolation, and reaction to biologically important compounds. Prerequisite: C 431 or concurrent enrollment.
- C 433G Biochemistry (3-0-3) (S).** The function of biological compounds, including intermediary metabolism and synthesis of proteins. Cellular control mechanisms of these processes are integrated into the material studies. Prerequisite: C 431.
- C 498, 499 Chemistry Seminar (1-0-1) (F/S).** Group discussions of individual reports on selected topics in the various fields of Chemistry. Prerequisite: Chemistry major and senior standing.

GRADUATE COURSES

The department offers certain graduate courses. See Part VIII, Graduate School, for course descriptions.

DEPARTMENT OF COMMUNICATION

Administration Bldg., Rm. 218 Phone 208/385-3320
 Chairman and Professor: Dr. Robert R. Boren; Professor: Boylan;
 Associate Professors: Cox, Parker, Pitman, Rayborn; Assistant Professors: Craner, McCorkle.

REQUIREMENTS FOR COMMUNICATION MAJOR

1. Completion of general University requirements for Bachelor of Arts degree as listed on pages 29, 30.
2. All majors in the Department of Communication, regardless of their specific emphasis, shall complete the following courses:
 - Introduction to Communication Study CM 115
 - Perspectives on Inquiry CM 201
 - Perspectives on Communication CM 421
 - Communication Seminar CM 498 (2 to 3 credits)
 - Communication Lab CM 116, 216, 316, 416
 - credits to be accumulated
 - Courses for Area of Emphasis

COMMUNICATION MAJOR
Bachelor of Arts Program

The following is provided for purposes of illustration. Students should work out specific programs with a departmental advisor.

INTERPERSONAL COMMUNICATION EMPHASIS

1. General University Requirements	
2. Departmental Core Requirements	20
Suggested Courses as follows:	
A. Listening CM 131	
Interpersonal Communication CM 221	
Communication in the Small Group CM 251	
Interviewing CM 307	
Small Group Process CM 431	9
B. Mass Communication Concepts and Perspectives CM 171	
Nonverbal Communication CM 341	
Intercultural Communication CM 351	
Organizational Communication CM 361	
Persuasion CM 412	
Public Relations CM 478	9
C. Rhetorical Theories CM 321	
Message Analysis and Criticism CM 331	
Contemporary Public Communication CM 332	3
D. Reasoned Discourse CM 112	
Communication Activities CM 114/314	
Voice and Diction CM 121	
Public Speaking CM 231	
Oral Interpretation CM 241	
Reporting and Newswriting CM 273	
Applied Communication CM 312	
Communication Practicum CM 451	
Radio-TV Newswriting CM 471	4-14
	45-55

MASS COMMUNICATION EMPHASIS

1. General University Requirements	
2. Departmental Core Requirements	20
3. Suggested Courses, as follows:	
A. Mass Communication: Concepts and Perspectives CM 171	
Contemporary Public Communication CM 332	
Intercultural Communication CM 351	
Organizational Communication CM 361	
Ethics, Law and Communication CM 461	
Persuasion CM 412	
Public Relations CM 478	9
B. Reporting and News Writing CM 273	
Photo Communication CM 277	
Journalistic Communication Practicum CM 372	
Communication Graphics CM 379	
Radio-TV Newswriting CM 471	
Feature Writing CM 473	
Critical Writing CM 474	9
C. Departmental Electives	7-17
	45-55

SECONDARY EDUCATION EMPHASIS

1. General University Requirements	
2. Departmental Core Requirements	20
3. Education Requirements (see Section VI Secondary Education)	
4. Suggested Courses, as follows:	
A. Oral Interpretation CM 241	3
Methods of Teaching Communication CM 401	3
B. Reasoned Discourse CM 112	
Communication Activities CM 114/314	
Voice and Diction CM 121	
Listening CM 131	
Interpersonal Communication CM 221	
Public Speaking CM 231	
Applied Communication CM 312	
Nonverbal Communication CM 341	

Communication Practicum CM 451	9
C. Communication in the Small Group CM 251	
Interviewing CM 307	
Small Group Process CM 431	3
D. Rhetorical Theories CM 321	
Message Analysis and Criticism CM 331	3
E. Mass Communication: Concepts and Perspectives CM 171	
Reporting and Newswriting CM 273	
Intercultural Communication CM 351	
Persuasion CM 412	4
	45

NOTE: A student with a single teaching field must complete at least 45 credits. See certification Requirements and Endorsements for Secondary Education as listed in the School of Education section of the Catalog.

JOURNALISTIC COMMUNICATION EMPHASIS

1. General University Requirements	
2. Departmental Core Requirements	20
3. Other Required Courses	18
Photo Communication CM 277	3
Reporting and Newswriting CM 273	3
Communication Graphics CM 379	3
Ethics, Law and Communication CM 461	3
Internship CM 493	6
4. Suggested Courses, chosen from the following	12
Mass Communication: Concepts and Perspectives CM 171	
Interviewing CM 307	
Journalistic Communication Practicum CM 372	
Radio-TV Newswriting CM 471	
Feature Writing CM 473	
Critical Writing CM 474	
Public Relations CM 478	

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

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

OR any other program listed on page 32 of BSU Catalog (under Baccalaureate Degree Programs).

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

COMBINED MAJOR
COMMUNICATION — ENGLISH

A. With Journalism emphasis: Department requirements	
COMMUNICATION	
Introduction to Communication Studies CM 115	2
Perspectives on Inquiry CM 201	3
Communication Laboratory CM 116, 216	3
Interpersonal Communication CM 221	3
Rhetorical Theories CM 321	3
Perspectives on Communication CM 421	3
Communication Electives (Upper Division)	10
	27
ENGLISH	
*Literature Survey	6
**Composition above the basic sequence	6
Introduction to Language Study LI 305	3
***Literature Electives (Upper Division)	12
	27

(Add Senior Seminar - Either CM 498 or E 498 - 2 hours)
Total Hours: 56 (27 and 27 and 2)

*British or American. Students should consider Upper Division courses they will want to take.

**To be chosen from Advanced Expository Composition (E 201), the Creative Writing sequence or technical writing.

***3 hours in courses before 1800.

SCHOOL OF ARTS & SCIENCES

B. With Communication emphasis: Department requirements

COMMUNICATION

Introduction to Communication Studies CM 115 2
 Perspectives on Inquiry CM 201 3
 Interpersonal Communication CM 221 3
 Rhetorical Theories CM 321 3
 Organizational Communication CM 361 3
 Perspectives on Communication CM 421 3
 Electives (Upper Division) 10
 27

ENGLISH

*Literature Survey 6
 Humanities HU 207, 208 3
 **Advanced Writing and Linguistics 9
 Electives (Upper Division) 9
 27

*British or American. Students should consider Upper Division courses they will want to take.
 **To be chosen from E 201, Technical Writing, LI 305, 306, 309.

N.B. Electives:

1. If student does not elect another Humanities course (either HU 207 or 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 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 E 498 - 2 hours)

Total Hours: 56 (27 and 27 and 2)

COURSE OFFERINGS

CM COMMUNICATION

LOWER DIVISION

CM 111 **Fundamentals of Speech—Communication** (3-0-3) (AREA II). Fundamental principles of effectively preparing, presenting and critically consuming messages in one-to-one, small group, and public speaking contexts.

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

CM 114 **Communication Activities** (1-0-1). Preparation for and participation in communication activities: intercollegiate debate competition, individual speaking, or community speaking activities. Prerequisite: Permission of the instructor. CM 114 and CM 314 may be repeated for a total of eight credits, not more than four of which may be applied toward the degree in communication.

CM 115 **Introduction to Communication Studies** (2-0-2). Dimensions of human communication historical and contemporary concepts, communication degree programs, and career opportunities.

CM 116 **Communication Laboratory** (1-1-2). An experiential probe into human communication through participation in practical applications of concepts, communication requirements, and technologies. May not be taken concurrently with CM 216, 316, 416.

CM 121 **Voice and Diction** (3-0-3). Study of the vocal mechanism, voice quality, pitch, rate, volume, and intensity in the production of speech. An investigation of the student's individual speech problems.

CM 122 **Introduction to Manual English** (3-0-3). An introduction to Manual English sign system with emphasis placed on initial skills and on finger spelling, sign vocabulary and total communication. History and rationale will be covered.

CM 131 **Listening** (3-0-3). Theory and practice of man's most used communication skill. Analysis of variables as they promote or impede the process of listening.

CM 171 **Mass Communication: Concepts and Perspectives** (3-0-3) (F/S). 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.

CM 201 **Perspectives of Inquiry** (3-0-3) The nature, sources and tests of knowledge; various views of theories, theory building, models, and the nature of inquiry.

CM 202 **Research Methods** (3-0-3) (F/S). Historical, critical, descriptive, and experimental research methods and tools in communication. Students design, conduct, report, and evaluate research projects.

CM 216 **Communication Laboratory** (V-V-1 to 4). Participation in a community in which students form their own economy, government, and produce and consume communication products and services. Development of and participation in workshops and short courses. May be repeated for a total of 4 credits. Prerequisites: CM 115, CM 116. May not be taken concurrently with CM 116, 316, 416.

CM 221 **Interpersonal Communication** (3-0-3). An examination of the nature of human communication. Focuses through experiential learning, on awareness of self, communicative relationships and context.

CM 231 **Public Speaking** (3-0-3). Analysis of methods and techniques of message composition. Practice in the presentation of public speeches.

CM 241 **Oral Interpretation** (3-0-3). Practice in reading prose, poetry, and drama to help the student determine a logical and emotional meaning for a selection, and project that meaning to listeners.

CM 251 **Communication in the Small Group** (3-0-3). A study of human interaction in small groups. Emphasis on actual experience in working in small groups. Includes concepts in planning, preparing, and participating in group discussion and decision making.

CM 273 **Reporting and News Writing** (3-0-3). Fundamentals of reporting, from techniques of interviewing and fact-gathering through the construction of the news story. Emphasis on accuracy, conciseness and clarity in writing. Study of newspaper styles—usage, grammar, punctuation, capitalization—and the use of copyreading symbols. Prerequisite: Ability to use typewriter.

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

UPPER DIVISION

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

CM 311 **Speech—Communication for Teachers** (3-0-3). Designed to improve the prospective teacher's awareness of communicative processes related to effective teaching; emphasis on various communication situations confronted by teachers and strategies for maximizing student-teacher relationships.

CM 312 **Applied Communication** (3-0-3). An application of basic principles of communication to real life situations involving current community problems and issues. Prerequisite: CM 111.

CM 314 **Communication Activities** (1-0-1). Preparation for and participation in communication activities: intercollegiate debate competition, individual speaking or community speaking activities. Prerequisite: PERM/INST. CM 114 and CM 314 may be repeated for a total of eight credits, not more than four of which may be applied toward the degree in communication.

CM 316 **Communication Laboratory** (V-V-1 to 4). Participation in a community in which students form their own economy, government, and produce and consume communication products and services. Development of and participation in workshops and short courses. May be repeated for a total of 4 credits. Prerequisites: CM 115, CM 116. May not be taken concurrently with CM 116, 216, 416.

CM 321 **Rhetorical Theories** (3-0-3). An examination of theories concerning the complexity of interaction among ideas, messages, and men, including analysis of various message strategies.

CM 322 **Intermediate Manual English** (3-0-3) (S). A continuation in building skills, vocabulary, and expressive signing techniques. A refining of abilities in communication will be stressed. Techniques for using a total communication with the deaf will be expanded to cover educational and social situations. Prerequisite: CM 122.

CM 331 **Message Analysis and Criticism** (3-0-3). An evaluation of methods of analyzing and criticizing messages and their application to making critical appraisals of public communication.

CM 332 **Contemporary Public Communication** (3-0-3). The nature, function, and influence of public communication in contemporary society. An examination of major events and issues in an attempt to identify particular characteristics of public dialog which reflect, reinforce, and alter public opinion.

CM 341 **Nonverbal Communication** (3-0-3). An examination of the function of non-verbal behavior codes in communication.

CM 351 **Intercultural Communication** (3-0-3). An analysis of societal and cultural influences on interpersonal communication. A critical examination of communication within and among subcultures as well as across cultural boundaries.

CM 361 **Organizational Communication** (3-0-3). The application of communication theory and methodology to the study of communication within the formal organization. Theories and problems of human communication within and between organizations.

CM 372 **Journalistic Communication Practicum** (Var 1 to 4). Designed for students who seek professional experience and professional careers. Offers students training with professionals in the community. Prerequisite: PERM/INST. May be repeated for a total of four hours.

CM 379 **Communication Graphics** (3-0-3). 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.

CM 401 **Methods of Teaching Communication** (3-0-3). Analysis and planning of curriculum for speech communication. A study of instructional materials, classroom techniques and methods, development of behavioral objectives, and management of curricular programs.

CM 412 **Persuasion** (3-0-3). Emphasis on theories of persuasion. Examination of variables and message strategies relevant to the persuasive process. Practical application of theory in the analysis and construction of persuasive messages.

CM 416 **Communication Laboratory** (V-V-1 or 2). Involvement in a community to practice and refine communication skills, e.g., leadership, organization, advisory, research, and evaluation. Prerequisite: CM 216 or CM 316. May be repeated for a total of 2 credits.

CM 421 **Perspectives on Communication** (3-0-3) (F). A survey of contemporary theories and theorists of communication. Prerequisite: CM 201.

CM 431 **Small Group Process** (3-0-3). An advanced study of variables and theories affecting the communicative interaction of small groups.

CM 451 **Communication Practicum** (Var 1 to 4). Directed study emphasizing the practical application of skills and theory relevant to human communication. An opportunity to

focus on areas of special interest to the student. May be repeated for a total of four credits.

CM 461 Ethics, Law and Communication (3-0-3). Study of the laws and ethics related to communication. Prerequisite: Upper Division standing.

CM 471 Radio-TV Newswriting (2-0-2). Practice writing radio-TV news, including timing and arrangement of material, adding script to film, techniques for condensing stories and deciding the importance of story material. Prerequisite: CM 273 or PERM/INST.

CM 473 Feature Writing (3-0-3). Non-fiction writing of features for newspaper or magazines. Includes analysis of publication markets and procedures for submitting articles. Alternate years.

CM 474 Critical Writing (3-0-3). Writing opinion for the mass media with emphasis on editorials, personal columns, and reviews of the arts. Alternate years.

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

CM 498 Communication Seminar (3-0-3). A multi-theoretical approach to the analysis of communication problems and issues culminating in the presentation and defense of student generated projects. Prerequisite: CM 421 and Senior standing.

DEPARTMENT OF ENGLISH

Liberal Arts Bldg., Rm. 228 Phone 208/385-1246

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

ENGLISH MAJOR Bachelor of Arts Degree

- I. Completion of general University requirements for Bachelor of Arts. See page 29, 30.
- II. Completion of Departmental Core
 1. Specific Courses
 - a. Survey of British Literature E 240, 260 6*
 - b. Shakespeare E 345, 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 271, 272, 378, 384 3
 - b. Pre-1800 British Literature E 340, 341, 347
E 348, 349, 350, 351, 355, 357, 359 6
 - c. Post-1800 British or American Literature
E 360, 365, 366, 369, 377, 378, 384, 385, 389, 390
E 487 6

*Fulfills Area I requirements.

- III. Completion of Departmental Option
 1. Liberal Arts Option
 - a. Competence in a Foreign Language equivalent to two years of University instruction.
 - b. History of the English Language LI 309 3
 - c. Upper Division English Electives 15
 2. Options in Secondary Education
 - a. Option 7-9 (Junior High)
 1. Writing E 201, 401 (instead of E 393) 3
 2. Language LI 309 and 307 or 405 6
 3. Methods E 301 and 381 or TE 358 6
 4. Speech
 5. Literature for use in Junior and Senior High School E 481 3
 6. Upper Division English Electives 6
 7. Western World Literature E 230 6
 8. Idaho Certification Requirements
 9. Successful completion of departmental competency exam
 - b. Option 10-12 (Senior High)
 1. Language LI 207 and 309 or 405 6
 2. Methods E 301 and 381 or TE 358 6
 3. Speech 3
 4. Advanced Writing E 201, 305, 306, 401 3
 5. Upper Division English Electives 9

6. Western World Literature E 230 3
7. Idaho Certification Requirements
8. Successful completion of departmental competency exam
- c. Option 7-12 (composite)
 1. Language LI 309 and 307 or 405
 2. Methods E 301 and 381 or TE 358
 3. Speech
 4. Literature for use in Junior and Senior High School, E 481 3
 5. Advanced Writing E 201, 305, 306, 401 3
 6. Upper Division English Electives 6
 7. Western World Literature 3
 8. Idaho Certification Requirements
 9. Successful completion of departmental competency exam

- Minor Endorsement: English
- Advanced Composition 3
 - Linguistics 3
 - E 301, 381 3
 - Survey of American Literature E 271, 272 3
 - Lower Division Literature 6*
 - Upper Division Literature 6
 - Successful completion of departmental competency exam

*To be selected from: World Literature, E 230, 235; British Literature, E 240, 260; Far Eastern Literature, E 215.

THEATRE ARTS MINOR FOR ENGLISH

- Technical Theatre (Basic set drawing and construction) TA 117 4
 - Technical Theatre (Basic set design, painting, lighting) TA 118 4
 - Acting TA 215 3
 - Major Production Participation TA 331 3
 - One of the following:
 - Stage Voice TA 233 3
 - World Drama, 500 B.C. to 1570 TA 341
 - World Drama, 1570 to 1870 TA 342
 - World Drama, 1870 to 1960 TA 343
 - Contemporary Theatre TA 445
 - Directing TA 401 3
- 20

COURSES APPLYING TO BOTH DISCIPLINES

- One of the following:
- Shakespeare: Tragedies and Histories E 345 3
 - Shakespeare: Comedies and Romances E 346
- 3
- Total hours in Theatre Arts Minor for English Major 23

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

COURSE OFFERINGS

E ENGLISH

Students who transfer from other schools with qualifying scores on objective tests equivalent to those administered to Boise State University freshmen will be required to take only the essay section of the placement tests. See requirements below for remedial and advanced placement in English Composition.

Nine credits of Creative Writing may be counted toward fulfillment of the major requirements.

LOWER DIVISION

E 010 Developmental Writing (1-2-0). Training in writing and editing processes with emphasis on correctness and sentence structure. Attention to fluency, organization, development, revision. Required if writing sample demonstrates need or if ACT, SAT, or

SCHOOL OF ARTS & SCIENCES

TSWE score is below 20 centile. Also for basic review. Successful completion of competency test required.

E 101 English Composition (3-0-3) (CORE). Basic skills in writing, including use of supportive materials, source references, basic patterns of organization, and standard usage. Successful completion of competency test required. Prerequisite: ACT score 20 or S in Developmental Writing.

E 102 English Composition (3-0-3) (CORE). Advanced practice in expository writing, which may include literary material as a means of teaching critical reading and writing and communication of complex ideas. Successful completion of competency test required. Prerequisite: E 101 or PERM/INST.

E 111, 112 Honors Composition (3-0-3) (CORE). Provides superior student challenge emphasizing individual study and original writing. Introduction to critical writing and study of ideas through literature. Honors 111 concentrates on lyric, poetry, essays, and short fiction. Normal prerequisite: ACT of 80th centile or above for E 111. Successful completion of competency test required. Prerequisite: E 111 or PERM/CHMN for E 112.

E 120 English as a Second Language (5-0-3) (F/S). Basic skills in American English pronunciation, sequence 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. Prerequisite: Admission to college, recommendation of Foreign Student Advisor and PERM/INST. Credit not applicable toward requirements for graduation.

E 121 English as a Second Language (5-0-3) (F/S). 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. Prerequisite: Admission to College, recommendation of Foreign Student Advisor and consent of instructor. Credit not applicable toward requirements for graduation.

E 122 Composition and Reading for Foreign Students (5-0-3) (F/S). Practice in college level reading and composition; development of special vocabulary skills related to individual needs, advanced English sentence structure. For foreign students with TOEFL of 551-575. Prerequisite: Admission to college, recommendation of Foreign Student Advisor and PERM/INST. The sequence E 122-123 satisfies the E 101 requirement for foreign students.

E 123 Advanced English Composition for Foreign Students (5-0-3) (F/S). Study of and practice in the principles of formal and informal written English; principles of the essay and research paper; continuation of vocabulary development and mastery of the more complex types of English structure. Prerequisite: Admission to college, recommendation of Foreign Student Advisor and PERM/INST. The sequence E 122-123 satisfies the E 101 requirement for foreign students.

E 131 Introduction to Literature (3-0-3) (F/S). A study of popular and classic novels, short stories, plays, and poems by notable American, British, and other authors. Students will see film or television versions and hear recorded renditions of some of the works read. Prerequisite: Completion of or concurrent enrollment in E 101 or PERM/CHMN.

E 201 Advanced Expository Composition (3-0-3) (F/S). An advanced writing course for students who wish to develop skills beyond those acquired in English Composition. Students examine specimens of professional writing as well as criticizing the work of other students. Extensive writing practice stressing organization, clarity and effectiveness. Prerequisite: E 102 or PERM/CHMN.

E 202 Technical Writing (3-0-3) (F/S). Practice in writing the main kinds of reports used in the sciences, social sciences, health sciences and other fields. Students will improve the logic, organization, and persuasiveness of their writing. Will not fulfill Area I requirements. Prerequisite: E 102 or PERM/CHMN.

E 205 Creative Writing — Poetry (3-0-3) (F). Prerequisite: PERM/INST based on evaluation of student's original work. May be repeated for nine credit hours.

E 206 Creative Writing — Fiction (3-0-3) (S). Introduction to fiction writing with a concentration on descriptive technique. Readings in the short story.

E 211 The Bible as Literature (3-0-3) (S). Examines selected historical, biographical, poetic, dramatic teaching and letter-writing portions of Hebrew-Christian testaments. Emphasis in literacy aspects with discussions of notable concepts in major writings. Prerequisite: E 102.

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

E 215 Far Eastern Literature, in Translation (3-0-3) (S). Survey of literature of Far Eastern Countries with major emphasis on China, India, and Japan. An introduction to cultural and religious environment of each country covered. Prerequisite: E 102.

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

E 219 North American Indian Folklore and Literature (3-0-3) (F). A comparative study of traditional Native American beliefs and practices as reflected in authentic oral narratives and creative written literature. The content, form and style or oral narratives and the functions which these narratives serve in preliterate societies receive particular emphasis. Prerequisite: E 102.

E 230 Western World Literature (3-0-3) (F) (Area I). Introduction to writings of the great minds in the Western tradition which have shaped our cultural and literacy past and present. Reading includes selections from ancient Greece, imperial Rome, medieval Europe, and Renaissance Europe. Prerequisite: E 102.

E 235 Western World Literature (3-0-3) (S) (Area I). An introduction to the Western literary tradition as it has developed during the last four centuries. Attention will be paid to the way in which the older values and attitudes are challenged by the new spirit of scepticism and rebellion. Prerequisite: E 102.

E 240 Survey of British Literature to 1790 (3-0-3) (F) (Area I). Examines the dominant cultural movements and literary forms in England from the middle ages through the 18th century. Prerequisite: E 102.

E 260 Survey of British Literature: 1790 to Present (3-0-3) (S) (Area I). The reflection of social and cultural changes in the poetry and prose of Romantic, Victorian and modern England. Prerequisite: E 102.

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

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

UPPER DIVISION

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

E 305 Creative Writing — Advanced Poetry (3-0-3) (S). Prerequisite: E 205 or PERM/INST based on evaluation of student's work. May be repeated for nine credit hours.

E 306 Advanced Fiction (3-0-3) (F). Exploration of Narrative technique dialogue form, and the short story. Recommended: E 206.

E 336 Nineteenth-Century Continental Literature (3-0-3) (S). Major European writers in the 19th century in translation. Reading maintains a chronological approach stressing the relationship of the literature to the socio-economic and political conditions of the times. Works of Goethe, Stendahl, Flaubert, Nietzsche, Schopenhauer, Dostoevsky, and Tolstoy are included. Prerequisite: E 102 or PERM/CHMN. Alternate years. To be offered 1980/81.

E 338 Twentieth-Century Continental Literature (3-0-3) (S). Twentieth century philosophical trends and cultural themes are emphasized in the reading. Includes works by Mann, Mauriac, Kafka, Hesse, Grass and Solzhenitzyn, which examines mythological, existential, religious, and political themes in relation to contemporary human values. Prerequisite: E 102 or PERM/CHMN. Alternate years. Offered 1980/81.

E 340 Chaucer (3-0-3) (F). Emphasis on *The Canterbury Tales* and *Troilus and Criseyde*. Also representative minor works. Prerequisite: Three credits, lower division literature or PERM/CHMN. Alternate years. Offered 1980/81.

E 341 Medieval Epics and Romances (3-0-3) (F/S). Representative English and continental epics and romances, including *Beowulf*, *Sir Gawain*, and *The Green Knight*, *Chretien de Troyes*, *Arthurian Romances*, *The Song of Roland*, *The Niebulungenlied*, *The Cid*. Prerequisite: Three credits of literature or PERM/CHMN. Alternate years. Offered 1981/82.

E 345 Shakespeare: Tragedies and Histories (3-0-3) (F/S). A selection of the tragic plays including *Romeo and Juliet*, *Hamlet* and *King Lear*, and the best plays concerning English history. Prerequisite: Three credits literature or PERM/CHMN.

E 346 Shakespeare: Comedies and Romances (3-0-3) (F/S). Representative plays such as *The Taming of the Shrew*, *A Midsummer's Night's Dream*, *As You Like It*, *Twelfth Night*, and *The Tempest*. Prerequisite: Three credits of literature or PERM/CHMN.

E 347 Spenser (3-0-3) (F/S). A study of the *Fairie Queene* and minor works. Prerequisite: Three credits of literature or PERM/CHMN. Alternate years. Offered 1980/81.

E 348 British Renaissance Non-Dramatic Literature (3-0-3) (F/S). A study of the poetry and prose of the English Renaissance, including works by More, Marlowe, Spenser, Shakespeare, and Bacon. Prerequisite: Three credits of literature or PERM/CHMN. Alternate years. Offered 1980/81.

E 349 Elizabethan and Jacobean Drama (3-0-3) (F/S). Tragic and comic plays by Shakespeare's contemporaries such as Kyd, Marlowe, Jonson, Tourneur, Chapman, Middleton, Marston, Webster and Ford. Prerequisite: Three credits literature or PERM/CHMN. Alternate years. Offered 1980/81.

E 350 Seventeenth Century Poetry and Prose (3-0-3) (S). The works of English authors such as Francis Bacon, Ben Johnson, John Donne, George Herbert, Andrew Marvell, Robert Burton, and Thomas Browne, who flourished in the first 60 years of the 17th century. The social, philosophical, and scientific background of this period. Prerequisite: Three credits literature or PERM/CHMN. Alternate years. Offered 1980/81.

E 351 Milton (3-0-3) (S). A study of John Milton's major poetry and prose, with special emphasis on *Paradise Lost*, *Paradise Regained* and *Samson Agonistes*. Prerequisite: Three credits of literature or PERM/CHMN. Alternate years. Offered 1980/81.

E 355 Dryden, Pope, and Their British Contemporaries (3-0-3) (F). An in depth study of two of the masters of "neoclassical" 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 of literature or PERM/CHMN. Alternate years. Offered 1981/82.

E 357 Swift, Johnson and Their British Contemporaries (3-0-3) (S). 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 of literature or PERM/CHMN. Alternate years. Offered 1980/81.

E 359 British Novel: Beginnings Through Austen (3-0-3) (F). An investigation of the novel tracing its roots and exploring the work of Defoe, Richardson, Fielding, Smollett, Stern, Austen and others. The emergence of the most popular genre of literature helps us to understand how fiction reflects our assumption about the world around us. Prerequisite: Three credits of literature or PERM/CHMN.

E 360 British Romantic Poetry (3-0-3) (F). Readings in Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, and others. These Romantics provide freshly imagined patterns of emotional and intellectual response to nature and our place in it. Prerequisite: Three credits literature or PERM/CHMN.

E 365 Victorian Poetry (3-0-3) (S). Readings in Tennyson, Browning, Arnold, and others. Their poems are the sometimes sane, sometimes shocking results of trying to find and keep artistic and moral hope amidst vital but unhealthy times. Prerequisite: Three credits literature or PERM/CHMN. Alternate years. Offered 1981/82.

E 366 Victorian Prose (3-0-3) (S). Great prose stylists, including Carlyle, Arnold, Newman, Ruskin, and Pater, bring insights to controversy over issues still with us. Their subjects range from industrialism to mysticism, their purposes from amusement to reformation. Prerequisite: Three credits literature or PERM/CHMN. Alternate years. Offered 1980/81.

E 369 British Novel: Austen Through Hardy (3-0-3) (S). An investigation of the development of the English novel during the nineteenth century with particular attention to the impact of Victorian thought on the genre and to the emergence of the modern novel. Includes Scott, Dickens, Thackeray, the Brontës, Eliot, Meredith, and Hardy.

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

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

E 381 Methods of Teaching Secondary School English (3-0-3) (F). 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.

E 384 Literature of the American West (3-0-3) (F/S). The literary merits of works by representative Western writers such as Wallace Stegner, Owen Wister, H. L. Davis, John Steinbeck, and Willa Cather. Also discussed are regional values and Western types such as the mountain man, the cowboy and the pioneer. Prerequisite: Three credits of literature or PERM/CHMN.

E 385 Modern Anglo-American Fiction (3-0-3) (F/S). Designed to acquaint both non-majors and majors with typical themes, subject matter, and stylistic innovations in British and American fiction since 1900. Reading includes selected novels and short stories by such authors as Cary, Ellison, Faulkner, Gardner, Golding, Hemingway, Joyce, Lawrence, O'Connor, Steinbeck, Welty, and others. Prerequisite: Three credits in literature or PERM/CHMN.

E 389 Modern British and American Drama (3-0-3) (F/S). An analysis of the various dynamic confrontation between 20th century audiences and actors arranged by dramatists as far apart in their times, themes, and techniques as Shaw and Stoppard, O'Neill, and Osborne. Prerequisite: Three credits literature or PERM/CHMN.

E 390 Folklore (3-0-3) (F/S). Study of what folklore is, its written and oral traditions, its different genres. Prerequisite: E 102.

E 393 History of Literary Criticism (3-0-3) (F). A survey of critical approaches to literature from Plato to the twentieth century. Prerequisite: A literature survey or PERM/CHMN.

E 401 Advanced Writing (3-0-3) (F/S). Writing for the student who wants advanced training in expressing ideas. The emphasis is on developing effective prose styles, taking into account varieties of technique and their appropriateness for a specific audience. Will not fulfill Area I requirement for graduation. Prerequisite: E 102 or PERM/INST.

E 481 Literature for use in Junior and Senior High Schools (3-0-3) (F). A literary content course designed for prospective or experienced teachers of secondary school English. Primary emphasis is placed on critical reading of literature ordinarily used with adolescents in secondary schools. Secondary emphasis is placed on methods of critical analysis appropriate for secondary students. All genres will be discussed. Both classical and popular authors will be included. Prerequisite: E 102, completion of two literature courses.

E 487G Modern British and American Poetry (3-0-3) (F/S). A study of the radical changes Eliot, Pound, Yeats, and others made in poetry's traditional aesthetic and thematic concerns early in this century. The course traces poetry's continuing metamorphosis into the present day. Prerequisite: Three credits literature of PERM/CHMN.

E 488G Methods and Theories of Literary Criticism (3-0-3) (S). A detailed study and application of major critical methods and theories. Prerequisite: E 393 or PERM/CHMN.

E 498 Senior Seminar (2-0-2) (S). Required of all senior English majors. Prerequisite: Senior standing or PERM/CHMN.

HU HUMANITIES

HU 207, 208 Introduction to Humanities (3-0-3) (F/S) (Area I). Man's intellectual and creative heritage as reflected in art, literature, philosophy, and architecture. Prerequisite: E 102 or PERM/CHMN.

LI LINGUISTICS

LI 305 Introduction to Language Studies (3-0-3) (F). A general survey of contemporary language study as it is carried on in the fields of linguistics, anthropology, semantics, psychology, and communication theory, with emphasis on sound, word, sentence formation in English. Prerequisite: E 102 or PERM/CHMN.

LI 307 Applied English Linguistics (3-0-3) (S). 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 PERM/CHMN.

LI 309 History of the English Language (3-0-3) (S). A study of the periods on the development of English; Indo-European and Germanic backgrounds; development of writing; in-

ternal and social forces of change; dialects of English. Concentrated work with written documents in English language history. Prerequisite: LI 305 or PERM/CHMN.

LI 405 Modern English Structure (3-0-3) (F/S). An approach to modern English grammar based on linguistic principles; will cover word formation and sentence structure including transformational, traditional, structural, and newly developing theories of grammar. Prerequisite: LI 305 or PERM/CHMN. Alternate years. Offered 1981/82.

LI 407 Applied Linguistics in Teaching English as a Second Language (3-0-3) (S). Designed to help teachers in the bilingual classroom or teachers of students of limited proficiency in speaking English to understand to deal with the process of learning English. It will focus on identifying, defining, and remedying the specific problems that confront learners of a second language. Prerequisite: LI 305. Alternate years. Offered 1981/82.

DEPARTMENT OF FOREIGN LANGUAGES AND LITERATURES

Liberal Arts Bldg., Rm. 206

Phone 208/385-3956

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

FOREIGN LANGUAGE MAJOR Bachelor of Arts Degree

Completion of general University requirements for the Bachelor of Arts Degree (see pages 29, 30).

GERMAN MAJOR, BA Option

- To begin the program for the BA in German, the student must demonstrate competency in German equivalent to the completion of elementary (G 101-102) and intermediate (G 201-202) German - 16 credit hours. Competency must be demonstrated by course work or placement/challenge procedure.
- The program has a minimum of 36 semester hours of Upper Division work, 30 credits must be in German and 12 credit hours of these 30 must be on the 400 level.
- The candidate must successfully complete one Senior Seminar.
- The program must be developed in consultation with the major advisors and the department chairman.
- The candidate must demonstrate his or her level of language competency in German on the MLA or equivalent examination during the last semester in the program.

GERMAN MAJOR, BA with Teaching Option

In addition to meeting the requirements for the BA in German, the candidate for a teaching certificate must also complete the following:

- Requirements as indicated in the School of Education, Part VI.
- From among the courses provided to complete 30 credit hours in German, the candidate must include: 6 credits of advanced Conversation and Composition and 6 credits of Culture and Civilization.
- The candidate must successfully complete the Foreign Language Methods course, FL 412. G 410 is recommended.

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

Students wishing a minor endorsement in German must have completed the following:

- Demonstrate competence equivalent to the completion of elementary (G 101-102) and intermediate (G 201-202) German - 16 credit hours, either by course work or by placement/challenge procedure, prior to beginning the option.
- Advanced German Conversation and Composition, G 303, 304, 6 credits.

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3. Selection from German Culture and Civilization, G 376, 377, 475, 6 credits.
4. Selection from any German literature course, 6 credits.
5. Teaching Methodology in Foreign Languages, FL 412, 3 credits.
6. The candidate must demonstrate his or her level of language competency in German on a standardized examination during the last semester in the program.

SPANISH MAJOR, BA Option

1. To begin the program for the BA in Spanish, the student must demonstrate competency in Spanish equivalent to the completion of elementary (S 101-102) and intermediate (S 201-202) Spanish — 16 credit hours. Completion must be demonstrated either by examination or course work.
2. The program has a minimum of 36 semester hours of Upper Division work, 30 credits must be in Spanish and 12 credit hours of these 30 must be on the 400 level.
3. The candidate must successfully complete one Senior Seminar.
4. The program must be developed in consultation with the major advisors and the department chairperson.
5. The candidate must demonstrate his or her level of language competency in Spanish language and civilization on the MLA or equivalent examination during the last semester in the program.

SPANISH MAJOR, BA with Teaching Option

In addition to meeting the requirements for the BA in Spanish, the candidate for a teaching endorsement must complete the following:

1. Requirements in the School of Education as indicated in Part VI.
2. From among the courses provided to complete 30 credit hours in Spanish, the candidate must include: 6 credit hours of advanced Conversation and Composition and 6 credit hours of Culture and Civilization, specifically S 376 and 377. S 475 may be substituted for either S 376 or 377 but both Peninsular Spanish Civilization and Latin American Civilization must be represented.
3. The candidate must successfully complete applied Spanish Linguistics, S 410, and the Foreign Language Methods course, FL 412.
4. The candidate must also take, in addition to the Language and Culture Section, the Teaching Methodology and Linguistics Section of the MLA Proficiency Exam.

SPANISH, Teaching Option with a minor endorsement (24 credit hours)

Students wishing a minor endorsement in Spanish must have completed the following:

1. Demonstrate competency equivalent to the completion of elementary (S 101-102) and intermediate (S 201-202) Spanish — 16 credit hours, either by taking the courses or by examination, prior to beginning the option.
2. Advanced Spanish Conversation and Composition, S 303, 304, 6 credits.
3. Spanish and Spanish-American Culture and Civilization, S 376-377, 6 credits. S 475 may be substituted for either S 376 or S 377 but both Peninsular Spanish Civilization and Latin American Civilization must be represented.
4. Selected from any Spanish literature course, 6 credits.
5. Applied linguistics in Spanish, S 410, 3 credits and Teaching Methodology in Foreign Languages, FL 412, 3 credits.
6. The candidate must demonstrate his or her level of language civilization, linguistic and pedagogy competency in Spanish by a standardized examination during the last semester in the program.

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

Students wishing a minor endorsement in French must have completed the following:

1. Demonstrate competency equivalent to the completion of elementary (F 101-102) and intermediate (F 201-202) French — 16 credit hours, either by course work or by examination, prior to beginning the option.
2. Advanced French Conversation and Composition, F 303-304, 6 credits.
3. French Culture and Civilization, F 376-377, 6 credits.
4. French Literature, 6 credits.
5. Teaching Methodology in Foreign Language, FL 412, 3 credits.
6. The candidate must demonstrate his or her level of language competency in French by a standardized examination during the last semester in the program.

PLACEMENT TEST

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

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

- a. Challenge of a language course in the BSU Catalog, see page 28.
- b. Successfully complete a course for which there is a second language prerequisite — see BSU Catalog, page 26.
- c. Demonstrate level of competence by a recognized test:
 1. National test such as MLA, FSI, CLEP or
 2. As administered through another university with recognized authorities in the language being tested, and certified in writing by that authority. With this option, the student shall also follow the administrative steps for a regular challenge — see BSU Catalog, page 28.

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

COURSE OFFERINGS

FL FOREIGN LANGUAGE

FL 412 Teaching Methodology in Foreign Languages (3-0-3). Discussion of problems and trends in language learning applied to practical activities in language acquisition. Evaluation of language learning objectives, instruction methods, culture presentations, testing, teaching aids and resource materials. Practicum—visitations, developing teaching plans, presenting teaching units. Prerequisite: Nine Upper Division credits in one language or PERM/DEPT.

FR FRENCH

LOWER DIVISION

F 101-102 Elementary French (4-1-4) (F/S). These two courses provide the opportunity to develop functional competency in understanding, reading, writing and speaking French. Students will read cultural and literary selections and compose essays in French. Format of the course: classroom instruction, conversation lab and practice in the language laboratory. Students who have had more than one year of high school French or its equivalent may not enroll in F 101 for credit except by PERM/DEPT.

F 201-202 Intermediate French (4-1-4) (F/S). These courses provide the environment to acquire competence to communicate in French. Students read selections from French literature and civilization. Students discuss and write in French. Format of the course: classroom instruction, practice in conversation and in A-V laboratories. Prerequisite: F 102 or PERM/DEPT.

UPPER DIVISION

F 303 Advanced French Composition and Conversation (3-0-3). This course, conducted in French, provides the matrix for enlarging one's French vocabulary and structure, and for speaking and writing French fluently. There will be discussions of the practical realities of the French speaking world concentrating on the common and high frequency

cy expressions of the language. Essays based on class discussion will be written regularly. Prerequisite: F 202 or PERM/DEPT. Alternate years.

F 304 Advanced French Composition and Conversation (3-0-3). This course has similar objectives as F 303. Discussions and essays will concentrate on the civilization, culture and aesthetics in contemporary France. Discussions will be based on current French writings extensively style imitations and personal essays. Prerequisite: F 202 or PERM/DEPT.

F 328 Lectures Avancees de la Poesie et de la Prose Francaises (3-0-3). Selected unabridged works of great French authors, all genres, between 1715 to 1939, with emphasis on prose. May be repeated once for credit. Prerequisite: F 202 or PERM/DEPT. Alternate years.

F 359 Les Grandes Oeuvres Contemporaines (3-0-3). Representative unabridged selections of the works of major authors and thinkers of France and the French speaking world since the beginning of the Second World War; for example, Ayme, Beckett, Sartre, Camus, Levy-Strauss and Chardin among others. Prerequisite: F 202 or equivalent. Alternate years.

F 376 La Civilization Francaise Historique (3-0-3). Studies in the development and expansion of French culture from pre-history to the French Revolution: history, politics, art, geography, literature, music and science; assessment of the contribution of French Civilization to the Western World. Prerequisite: F 202 or PERM/DEPT. Alternate years.

F 377 La Civilization Francophone Moderne (3-0-3). Studies in modern French civilization since the end of the "ancien regime," the French Revolution; history, politics, art, geography, literature, music and science; assessment of France's contribution to the modern democracies. Prerequisite: F 202 or PERM/DEPT. Alternate years.

GR GREEK

GR 101-102 Greek Language & Literature (3-0-3). An introductory course providing the student with a basic knowledge of the forms and syntax of the language are emphasized, with reading exercise and passages excerpted from ancient authors. Translation and analysis of extended pagan and christian texts is undertaken. Etymological study illustrates the debt of modern languages to Greek Alternate years.

LA LATIN

LA 101-102 Latin Language & Literature (3-0-3). An intensive, one year, introductory course to provide a basic reading ability in classical Latin, and a basic knowledge of ancient Roman literature. The vocabulary, forms and syntax of Latin are emphasized with passages excerpted from Latin authors. Etymological study illustrates the debt of modern languages to Latin. Alternate years.

R RUSSIAN

R 101-102 Elementary Russian (4-1-4). This course is designed to develop the beginning student's abilities in understanding, speaking, reading, and writing Russian. Classes meet four times a week, and there is one hour per week of required laboratory practice. The class is conducted in Russian. Alternate years.

G GERMAN

LOWER DIVISION

G 101-102 Elementary German (4-1-4). Listening, speaking, reading and writing skills in cultural framework. May not enroll in G 101 for credit with more than one year of high school German or equivalent with PERM/INST. Students in G 102, lacking adequate preparation may drop back to G 101.

G 101P-102P Programmed Elementary German (0-4-4). Self-paced course; programmed texts, tapes, readings. Informal meetings with instructor. Performance tests at student's pace. Work in language lab or access to cassette player needed. May not enroll in G 101P with more than one year high school German or equivalent except with PERM/INST. Students lacking adequate preparation may do so.

G 201-202 Intermediate German (4-1-4). 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. Prerequisite: G 102 or equivalent as determined by placement examination and consultation.

UPPER DIVISION

G 303 Advanced German Conversation and Composition (3-0-3). Practice towards idiomatic fluency. Readings from newspapers, magazines, essays, discussion of slides, tapes, and films. Frequent writing required. Prerequisite: G 202 or equivalent as determined by placement exam and consultation. Alternate years.

G 304 Advanced German Conversation and Composition (3-0-3). Similar goals and format to G 303. More extended writing assignments. Prerequisite: G 202 or equivalent as determined by placement exam and consultation. Alternate years.

G 331 Introduction to German Literature and Literary Studies (3-0-3) (F). Major writers and periods provide samples from various genres and an overview of German literacy development. The course is intended to provide insights into literary craftsmanship. Prerequisite: G 202 or equivalent as determined by placement examination and consultation.

G 376 German Culture and Civilization (3-0-3). German civilization from prehistoric times through the 18th century. Special attention paid to contributions of Germany, Austria, and Switzerland to western civilization. Class conducted in German. Prerequisite: G 202 or equivalent as determined by placement examination and consultation. Alternate years.

G 377 German Culture and Civilization (3-0-3). German civilization from 1800 to present. Special attention paid to contributions of Germany, Austria and Switzerland to western civilization. Classes conducted in German. Prerequisite: G 202 or equivalent as determined by placement examination and consultation. Alternate years.

G 410 Applied Linguistics for the German Language Teacher (2-0-2). Functional application of linguistic theory to foreign language teaching and learning practices. Analysis of

ways in which traditional, descriptive, and transformational models deal with phonology, morphology and syntax. Prerequisite: LI 305 and minimum of six credits upper division German and/or inservice teaching and/or equivalency as determined by placement test and interview. Alternate years.

G 415 Aufklärung und der Sturm und Drang (18th Century) (3-0-3). Essays, plays, fictional prose and poetry marking the intellectual ferment of the Enlightenment and the "Storm and Stress". Selections from Gottsched, Haller, Klopstock, Lichtenberg, Kant, Herder, Lessing, J.M.R. Lenz, the early Goethe and Schiller, etc. Prerequisite: G 331 or PERM/INST. Alternate years.

G 425 Der Traum der Antike und die Traumwelt (1780-1830) (3-0-3). Readings from the classical and romantic periods in their general literary and historical context. Selections from Goethe, Schiller, Hölderlin, Kleist, Jean Paul, Tieck, Friedrich Schlegel, Chamisso, Brentano, etc. Prerequisite: G 331 or PERM/INST. Alternate years.

G 435 Reaktion: Liberal und Konservativ (19th Century) (3-0-3). Selections from a wide cross-section of 19th century German Literature: Büchner, the "Young Germans", Grillparzer, Hebbel, Gotthelf, Keller, Stifter, Storm, C.F. Meyer and others. Prerequisite: G 331 or PERM/INST. Alternate years.

G 465 Ritter und Bauer, Gott und Mensch (1150-1720) (3-0-3). Survey: Middle Ages, Renaissance, Reformation, Baroque. Selections from heroic and courtly epics, Minnesang, moral tales and plays, religious pamphleteering, chapbooks, Fastnacht plays; Angelus Silesius, Gryphius, Grimmelshausen, etc. Prerequisite: G 331 or PERM/INST. Alternate years.

G 475 Die deutschsprachige Welt von heute (3-0-3). An in-depth analysis of contemporary non-literary events in the German-speaking world. Discussion includes educational systems, science and theatre, arts and music, economic and business life, social and political structure, and recreation. Prerequisite: G 376 or 377 or PERM/INST. Alternate years.

G 498 Senior Seminar (3-0-3). Required of all German majors in the Liberal Arts Option. Individual research into an area of interest originating in the seminar. The research culminates in a paper to be presented to the seminar. Prerequisite: Senior standing or PERM/INST.

S SPANISH

LOWER DIVISION

S 101-102 Elementary Spanish (4-1-4). Develops abilities in understanding, speaking, reading and writing. Offers a basic study of grammatical structures and vocabulary. Introduces the student to Hispanic culture. Students may not enroll for S 101 for credit if they have had more than one year of high school Spanish or the equivalent.

S 201-202 Intermediate Spanish (4-1-4). 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. Prerequisite: S 102 or equivalent as determined by placement examination and consultation.

S 203 Spanish for the Native Speaker (4-0-4). A course designed especially for students with native speaking ability but insufficient formal training in grammar, reading, writing, and standard oral communication. Students qualified for this course cannot challenge S 202. Prerequisite: S 201 or equivalent as determined by the placement test. Course conducted in Spanish. Offered in alternate academic years.

S 205 El Vernacular Mexicano-Americano (2-0-2). This is a course intended to acquaint students with the vernacular of the Mexican-American community. Particular attention is given to the linguistic, social and cultural determinants, such as vernacular vocabulary, idioms and regionalisms, phonological and syntactical variants as have been recently observed in contemporary usage. Prerequisite: S 201 or equivalent. Course conducted in Spanish. Offered in alternate academic years.

UPPER DIVISION

S 303 Advanced Spanish Conversation and Composition (3-0-3) (Alternate years). Expands facility in expressive conversation as well as accuracy in writing Spanish. Offers analysis of grammar and expansion of vocabulary through cultural and literary readings. Discussion of topics related to Hispanic contemporary trends, current events, everyday life, and other themes of immediate concern to the student. Prerequisite: S 202 or equivalent as determined by placement examination and consultation.

S 304 Advanced Spanish Conversation and Composition (3-0-3). Designed to continue expanding facility in expressive conversation as well as accuracy in writing Spanish. Discussion of topics related to contemporary Hispanic world, and other areas of immediate concern to the student. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Alternate years.

S 331 Introduction to Hispanic Literatures and Literary Analysis (3-0-3) (F). A theoretical and practical study of literary analysis, the different genres, movements and periods, as well as the various approaches to literary explication, interpretation and criticism, using as models some of the major works of Hispanic literature. Prerequisite: S 202 or equivalent as determined by placement examination and consultation.

S 376 Cultura Y Civilización Española (3-0-3). Spanish civilization from earliest Iberian beginnings to the present. Special attention given to contributions of Spain to western world. Discussions conducted in Spanish; some readings in English. Papers required. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Alternate years.

S 377 Cultura Y Civilización Hispanoamericana (3-0-3). Spanish-American civilization from ancient origins to contemporary times. An intensive analysis of the historical, political, economic, social and cultural developments of the Hispanoamerican nations, and their contributions to the western world. Discussions in Spanish; some readings in English. Papers required. Prerequisite: S 202 or equivalent as determined by placement examination and consultation. Alternate years.

S 378 Panorama de la Tradición Cultural Mexicana-Americana (3-0-3). An exploration of the Mexican-American cultural tradition, both with respect to its history as well as its in-

SCHOOL OF ARTS & SCIENCES

fluence on the contemporary American: music, dance, art, folklore, customs, beliefs, and institutions. Prerequisite: S 202 or equivalent. Course is conducted in Spanish. Offered in alternate academic years.

S 385 La Gente Mexicana-Americana en los Estados Unidos (3-0-3). Deals with the historical works of Mexican-Americans, through the Spanish conquest of Mexico and the Colonial period, the Mexican-American War, and the development of the Mexican-American population in the United States over the past 130 years. Readings and papers in Spanish and English required. Prerequisite: S 320 or equivalent. Alternate years.

S/TE 409 Teaching Spanish as a First Language in Elementary School (3-0-3). (La Enseñanza del español como lengua primera). A practical course designed for the elementary teacher who may help Spanish-speaking students to develop their basic skills in listening, speaking, reading and writing Spanish. The emphasis is on developing approaches to understand and overcome specific language difficulties which originate in bilingual/bicultural interferences. Prerequisite: S 202 (S 203). Course is conducted in Spanish. Offered in alternate academic years.

S 410 Applied Linguistics for the Spanish Language Teacher (3-0-3). Applies the main concepts of modern linguistics to specific problems in the teaching of the Spanish language. Application of linguistic theory to foreign language teaching with emphasis on the analysis of ways in which traditional, descriptive, and transformational models deal with the system of language in the areas of phonology, morphology and syntax. Prerequisite: LI 305 and six Upper Division credits of Spanish or equivalent. Alternate years.

S 411 Español Avanzado (3-0-3). An advanced oral and written communication course for those who need extended training in expressing ideas. Special emphasis on prose, style, vocabulary building, appropriateness of idioms and figures of speech, with major fiction and non-fiction works used as examples. Frequent essays required. Prerequisite: S 303 and S 304. Course is conducted in Spanish. Offered in alternate academic years.

S 425 Literatura Mexicana-Americana (3-0-3). Representative writings by major Mexican-American authors, with emphasis on social and literary values. Prerequisite: S 331 or PERM/INST. Alternate years.

S 435 Literatura Contemporánea Española (3-0-3). Literature of ideas in contemporary Spain through major representative authors and works. Genesis of modern thought and new perspectives in today's Spain. Prerequisite: S 331 or PERM/INST. Alternate years.

S 437 Literatura Contemporánea Hispanoamericana (3-0-3). Literature of ideas in contemporary Spanish-America through major representative authors and works. Genesis of modern thought and new perspectives in today's Hispanoamerica. Prerequisite: S 331 or PERM/INST. Alternate years.

S 445 Literatura Española: Siglos 18 Y 19 (3-0-3). The main manifestations of thought and literature from 1700 to 1900, including the periods of the Enlightenment, Realism and Romanticism. Prerequisite: S 331 or PERM/INST. Alternate years.

S 447 Literatura Hispanoamericana: Siglo 19 (3-0-3). A detailed study of the representative movements, periods, works, and authors from 1800 to 1910. Prerequisite: S 331 or PERM/INST. Alternate years.

S 455 Edad de Oro de la Literatura Española (3-0-3). The main literary movements of the Golden Age in Spain (16-17th centuries), with emphasis on representative authors from each. Prerequisite: S 331 or PERM/INST. Alternate years.

S 457 Literatura Hispanoamericana: Colonia Y Siglo 18 (3-0-3). An introduction to the major authors, works, movements, and periods of the Spanish-American literature from the colonial time to the end of the 18th century. Prerequisite: S 331 or PERM/INST. Alternate years.

S 465 Literatura Española Medieval y Renacentista (3-0-3). An introduction to the principal authors, works, movements, and periods of Spanish literature, from its beginnings to the end of the 15th century. Prerequisite: S 331 or PERM/INST. Alternate years.

S 475 Eventos Contemporáneos de Gentes y Países Hispanohablantes (3-0-3). A lecture and discussion course based on current social, economic, cultural and political events faced by Spanish-speaking nations. Special attention is given to a comparative examination and analysis of the people, viewpoints, and institutions, as well as the problems, issues and trends facing this people in their respective countries today. Prerequisite: S 376 or S 377 or S 304 or PERM/INST.

S 498 Senior Seminar (3-0-3). Exploration of fields of special interest, either literary or social studies oriented. Individual thought and research culminate in a paper to be presented to the seminar. Practical application of independent study approaches, research methods, and bibliography format. Required of all Spanish majors with Liberal Arts emphasis. Prerequisite: Senior standing or PERM/INST.

DEPARTMENT OF GEOLOGY AND GEOPHYSICS

Science Building, Room 119 Phone 208/385-1631

Chairman Professor: Dr. Monte D. Wilson; Professors: Hollenbaugh, Spinosa, Warner; Associate Professors: Donaldson, Hardyman, Wood; Assistant Professors: Bentley, White, Zawislak, Adjunctive Faculty: Delisio, Gillette.

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. Nondegree 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 BS 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 BS 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 BS 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 of courses in Geology, Math, Chemistry and Physics to support the Geophysics courses, preparing the student for professional employment or graduate school.

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

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 Degree

- I. Geology Major
 1. General University and BA Degree Requirements. See pages 29, 30 for Graduation Requirements.
 2. Major Requirements
 - A. Geology and Geophysics 53
 - Physical Geology GO 101 4
 - Historical Geology GO 103 4
 - Mineralogy GO 221 3
 - Optical Mineralogy GO 232 2
 - Field Geology GO 280 3
 - Igneous & Metamorphic Petrology GO 323 3
 - Igneous & Metamorphic Petrography GO 324 1
 - Sedimentology GO 311 3
 - Stratigraphy GO 312 3
 - Geomorphology GO 313 3
 - Structural Geology GO 314 3
 - Invertebrate Paleontology GO 351 3
 - Geophysics GP 301 or 325 3
 - Advanced Field Geology GO 480 or Senior Thesis GO 495 4
 - Senior Seminar GO 498 or 499 1
 - Geology Electives 10
 - B. College Chemistry C 131, 132, 133, 134 9
 - C. General Physics PH 101-102 or Physics I, II, III with labs PH 220-224 8-11
 - D. Mathematics through M 205* or 212 10-15
 - E. Cartography GG 220 or Surveying EN 215 2-3
 - F. Recommended Electives 15
 - Area I, Photography, Foreign Language
 - Area II, Economics, Geography
 - Area III, Technical Writing, Physical Chemistry, Mathematics, Programming, Biology

GEOLOGY MAJOR (Suggested Program)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
College Chemistry (C 131, 132, 133, 134).....	4	5
English Composition (E 101 and 102).....	3	3

*M 124 and either M 225 or an acceptable STATISTICS course may be substituted for M 205.

Physical Geology (GO 101).....	4	—	
Historical Geology (GO 103).....	—	4	
Algebra and Trigonometry (M 111).....	5	—	
Calculus and Analytic Geometry (M 204).....	—	5	
	16	17	
SOPHOMORE YEAR:			
Cartography (GG 220)*.....	—	3	
Mineralogy (GO 221).....	3	—	
Optical Mineralogy (GO 232).....	2	—	
Ig. & Met. Petrology (GO 323).....	—	3	
Ig. & Met. Petrography (GO 324).....	—	1	
Field Geology (GO 280).....	3	—	
Physics (PH 101-102)*.....	4	4	
Calculus & Analytic Geometry (M 205)*.....	4	—	
Area I & II electives.....	—	6	
	16	17	
JUNIOR YEAR:			
Structural Geology (GO 314).....	3	—	
Sedimentology (GO 311).....	3	—	
Stratigraphy (GO 312).....	3	—	
Geomorphology (GO 313).....	—	3	
Geophysics (GP 301) OR (GP 325).....	3	or 3	
Electives (Area I & II).....	3	6	
Upper Division Geology & Geophysics			
Electives.....	0 or 3	3 or 6	
	15 or 18	15 or 18	
SENIOR YEAR:			
Advanced Field Geology (GO 480)*.....	—	4	
Senior Seminar (GO 498 or 499).....	—	1	
Upper Division Geology & Geophysics			
Electives.....	4	—	
Area I and II Electives.....	6	3	
Free electives (at least 3 credits of upper			
division).....	3	8	
Invertebrate Paleontology (GO 351).....	3	—	
	16	16	

*See alternate courses under requirements.

NOTE: Earth Science Education Majors, see page 76.

GEOPHYSICS MAJOR
(Bachelor of Science Requirements)

1. General University and BA Degree Requirements	
2. Major Requirements:	
A. Geophysics.....	16
Introduction to Geophysics GO 301.....	3
Physics of the Earth GP 325.....	3
Applied Geophysics I & II GP 451, 452.....	10
B. Geology.....	27
Physical Geology GO 101.....	4
Historical Geology GO 103.....	4
Mineralogy GO 221.....	4
Petrology GO 222.....	4
Stratigraphy GO 312.....	3
Structural Geology GO 314.....	4
Field Geology GO 480.....	4
C. Chemistry.....	9
College Chemistry C 131, 132, 133, 134.....	9
D. Physics.....	14
Physics I, II and III and Labs PH 220-224.....	11
Electricity and Magnetism PH 381.....	3
E. Mathematics.....	19
M 204, 205, 206.....	13
Advanced Engineering Math M 321.....	4
M 124 or EN 104.....	2
F. Recommended Electives.....	16
Physics PH 301, 392 Chemistry C.321, 322	
Engineering EN 221, 223 Economics	
Geology GO 403, 412, 421, 431	

GEOPHYSICS MAJOR
(Suggested Program)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
Physics I PH 220.....	—	3
Physical Geology GO 101.....	4	—
Calculus & Anal. Geometry M 204, 205.....	5	4
College Chemistry C 131, 132, 133, 134.....	4	5
English Composition E 102.....	3	—
Historical Geology GO 103.....	—	4
Digital Computer Programming EN 104.....	—	2
	16	18
SOPHOMORE YEAR:		
Calculus & Anal. Geometry M 206.....	4	—
Advanced Engineering Math M 321.....	—	4
Physics II & III PH 221, 223.....	3	3
Physics Lab PH 222, 224.....	1	1
Mineralogy GO 221.....	4	—
Petrology GO 222.....	—	4
Intro to Geophysics GP 301.....	6	3
Area I & II Requirements.....	—	3
	18	18
JUNIOR YEAR:		
Structural Geology GO 314.....	4	—
Stratigraphy GO 312.....	—	3
Physics of the Earth GP 325.....	3	—
Area I & II Requirements.....	6	6
Unrestricted Electives.....	3	6
	16	15
SENIOR YEAR:		
Applied Geophysics I & II GP 451, 452.....	5	5
Field Geology GO 480.....	—	4
Electricity & Magnetism.....	3	—
Unrestricted Electives.....	3	4
Area I & II Requirements.....	3	—
	14	13

COURSE OFFERINGS

GO GEOLOGY

LOWER DIVISION

GO 100 Fundamentals of Geology (3-2-4) (AREA III). An introduction to the principles of Physical and Historical Geology. Topics include weathering, erosion, glaciation, volcanism, earthquakes, rocks, minerals, maps, the origin of the earth and its physical and biological development. Open to all students except those with previous credit in Geology, Geology or Earth Science majors, and those non-science majors who plan an eight hour sequence in Geology.

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

GO 103 Historical Geology (3-3-4) (AREA III). 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. Prerequisite: GO 101.

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

GO 111 Geology of Idaho and the Pacific Northwest (3-0-3) (Field trips required). A study of the geologic setting and history of Idaho and its immediate surroundings. Includes major topographic and scenic features, structural and stratigraphic features, mineral deposits, fossil and gem areas and current problems in natural resource products. Prerequisite: GO 103 or PERM/INST.

GO 201 Introduction to Ocean Geology (3-0-3) (F/S). 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. Prerequisite: GO 103.

GO 213 Introduction to Meteorology (3-0-3) (F). An introduction to the study of weather phenomena in terms of origin, distribution, and classification. Instruments and research methods are also investigated. Prerequisite: GO 101.

GO 221 Mineralogy (2-3-3) (F). A study of the chemical and physical properties of minerals and their relationships to geologic environments. The laboratory work includes the study of crystal symmetry, hand sample identification and classification of minerals. Prerequisite: GO 101 Corequisite: C 131.

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GO 232 Optical Mineralogy (1-3-2) (F). The theory and application of the polarizing microscope to the examination of minerals in immersion media and primarily in thin section. The study of crystal optics and the use of the petrographic microscope for the identification and quantitative examination of minerals. Corequisite: GO 221.

GO 250 Principles of Paleontology (2-3-3) (F/S). Overview of paleontology for non geology majors. Evolution, taxonomy and description of important fossil groups stressed. Laboratories to study small collections and simple museum methods. Term paper or project.

GO 280 Field Geology (1-6-3) (F). Techniques of field mapping to solve geologic problems. Field exercises will use topographic maps, stereopair air photos, Brunton compass, and plane-table alidade for mapping. A detailed geologic map and written geologic report will be made, interpreting one area of moderate complexity and regional significance. Field trips required. Prerequisite: GO 103, E 102.

UPPER DIVISION

GO 311 Sedimentology (2-3-3) (F). A study of the classification of sedimentary rocks and 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. Field methods and techniques are stressed; laboratory work consists of compositional and textural analyses. Prerequisite: GO 221.

GO 312 Stratigraphy (3-0-3) (S) (Field trips required). 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. Prerequisite: GO 312.

GO 313 Geomorphology (2-3-3) (F) (Field trips required). 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. Prerequisite: GO 103, E 102.

GO 314 Structural Geology (2-3-3) (F) (Field trips required). A study of the description and classification of fundamental deformational features in rocks of the earth's crust and the theoretical and mechanical explanations of their origin. Lab problems in 3-dimensional visualization, geometric analysis, and solution of structural problems, utilizing maps and cross-sections. Prerequisite: GO 101, M 111.

GO 323 Igneous and Metamorphic Petrology (2-3-3) (S). A study of igneous and metamorphic rocks with emphasis on the physical and chemical constraints on their origin, occurrences and associations. A review of the classification schemes of these rocks and their tectonic affiliations. Prerequisite: GO 221, GO 232 Corequisite: GO 324.

GO 324 Igneous and Metamorphic Petrography (0-3-1) (S). The study of igneous and metamorphic rocks in thin section by means of the polarizing microscope. A systematic survey of the classes of igneous and metamorphic rocks and study of their origin and histories through examination of their mineralogy, textures, fabrics, and alteration. Prerequisite: GO 232 Corequisite: GO 323.

GO 351 Invertebrate Paleontology (2-3-3) (F) (Field trips required). The study of the invertebrate phyla represented in the fossil record. Special emphasis is placed on hard-part morphology, ontogeny, phylogeny and taxonomy of the geologically more important groups. Laboratory work based on standard collections. Special project, field trip. Prerequisite: GO 103.

GO 403 Engineering Geology (2-3-3) (S) (Field trips required). Application of Geology to engineering projects. Aspects of Geology are applied to construction and maintenance. Case histories of major projects are studied. Prerequisite: GO 312, 314.

GO 412 Groundwater Geology (3-0-3) (F). 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. Prerequisite: GO 312, 314.

GO 414 Advanced Structural Geology (2-3-3) (S). A study of the geometric properties of deformed rocks, their measurement, and analysis. Course will emphasize structural analysis of folded and faulted terrains and metamorphic tectonites, mapping procedures, map interpretation, and data analysis. Study will include review and comparison of tectonic styles of deformation of different geologic provinces throughout North America. Even numbered years. Prerequisite: GO 314.

GO 421 Ore Deposits (3-0-3) (F) (Field trips required). Genesis, structure, associations and classification of mineral deposits. Discussion of modern theories of ore deposition, origin, and migration of ore-bearing fluids, and the processes of alteration, and secondary enrichment, controls of ore occurrence and the economics of exploration, development, and use of ores. Prerequisite: GO 221, GO 314.

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

431 Petroleum Geology (2-3-3) (S) (Field trips, odd years). A study of the nature and origin of petroleum, the geologic conditions that determine its migration, accumulation and distribution, and methods and techniques for prospecting and developing petroleum fields. Prerequisite: GO 311, 314.

GO 460 Volcanology (2-0-2) (S) (Field trip, odd years). A study of volcanic processes and the deposits of volcanic eruptions. An in-depth review of the generation, rise and eruption of magmas and of the types of volcanic vents and vent structures produced. Field and petrographic characteristics of various types of volcanic deposits as well as their volcano-tectonic relationships will be emphasized. Prerequisite: GO 222 or Corequisite: GO 222.

GO 471 Regional Field Study and Report Writing (1-0-1) (S). Extensive field trip over spring semester break to study the geology of classic localities in the western United States. Course will require assembly of pertinent geologic maps and literature, recording of geologic observations, and preparation of a comprehensive report on the geology of areas visited. Prerequisite: Upper division standing or PERM/INST.

GO 480 Advanced Field Geology (1-9-4) (S). Field geologic mapping of at least two areas with a diversity of geologic relationships. Large scale mapping will emphasize solution of problems of significance in economic or engineering geology and may include petrographic laboratory work in addition to field work. Map and accompanying geologic report will be of professional quality. Field work on most weekends is required. Prerequisite: GO 280, GO 314.

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

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

GG GEOGRAPHY

LOWER DIVISION

GG101 Introduction to Geography (3-0-3) (F/S) (AREA II). A comprehensive survey of various environments of man in a study of regional and world patterns. Basic concepts and techniques used in geography and the utilization of natural resources are introduced.

GG 102 Cultural Geography (3-0-3) (F/S) (AREA II). A study of the distribution and character of man's cultural activities throughout the world with analysis of man-land relationships.

GG 201 The Use and Interpretation of Maps (3-0-3) (F/S). An intensive use and interpretation of a wide spectrum of map types, their advantages and limitations for students of various fields, such as Archaeology, History, Geology and teaching.

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

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

GG 231 Geography of Canada and Latin America (3-0-3) (F/S). A study of the natural and cultural geographies of Canada and Latin America with emphasis on the resources, environments, peoples and potential of each region. Prerequisite: GG 101, PERM/INST.

GG 241 Geography of Africa and the Far East (3-0-3) (F/S). The physical and cultural geography of Africa and the Far East with emphasis on the relationships and changes with the regions. Topics include the various landscapes, flora and fauna, peoples and problems. Prerequisite: GG 101, PERM/INST.

UPPER DIVISION

GG 301 Historical Geography of the United States (3-0-3) (F/S). The course explores the changing physical and cultural landscapes of the United States through time and space and analysis of the various regions. Included is the study of the distribution and relationships between peoples, land and resources. Prerequisite: GG 102, PERM/INST.

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

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

GP GEOPHYSICS

UPPER DIVISION

GP 301 Introduction to Geophysics (3-0-3) (F). A survey of surface and borehole-based geophysics methods, including elementary theory, basic field practice, computation fundamentals, interpretation techniques and economic considerations of seismic, gravimetric, magnetic, electrical, and borehole techniques. Applicability of various techniques to exploration geology (economic and petroleum), engineering geology and groundwater geology will be stressed. Prerequisite: PH 102, GO 101.

GP 325 Physics of the Earth (3-0-3) (S). 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. Prerequisite: PH 102.

GP 451 Applied Geophysics I (4-3-5) (F). 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. Prerequisite: GO 314, GP 301, M 321 and PH 222.

GP 452 Applied Geophysics II (4-3-5) (S). A continuation of GP 451 with emphasis on field procedures, equipment array and geophysical surveying techniques. Prerequisite: GP 451.

GS GENERAL SCIENCE

GS 305 Teaching Science in the Secondary School (3-0-3) (S/alternate years). A course designed to introduce the prospective secondary school science teacher to an understanding of the nature of science - both as subject matter and as processes of scientific inquiry. Special emphasis is placed on problems of communicating scientific ideas, effective modes of instruction and evaluation, and curricular materials for secondary school science teaching.

DEPARTMENT OF HISTORY

Library Bldg., Rm. 247 Phone 208/385-1255

Chairman and Professor: Warren L. Vinz; *Professors:* Barrett, Caylor, Fletcher, Keiser, Lovin, Ourada, Sims, Tozer; *Associate Professors:* Buhler, Lundy, Odahl, Sylvester, Zirinsky.

The Department of History offers three baccalaureate degree programs: History, Liberal Arts (44 hours of History); History, Secondary Education Option (44 hours of History, 27 hours State Teacher Certification requirements); and History, Social Science, Secondary Education Option (minimum 33 hours History, 20 hours each in two Social Sciences, 27 hours State Teacher Certification requirements). The History, Liberal Arts degree helps the student prepare for either graduate History, careers in History related professions, and provides a broad Liberal Arts training for the student. The other two degrees prepare the student for a teaching career. Specific requirements for each degree are listed below.

HISTORY MAJOR Bachelor of Arts Program

- I. Liberal Arts Option
 - A. General University Requirements to include:
 - *1. One year of college level Foreign Language 6-8
 - 2. American National Government 3
 - B. History Requirements:
 - Lower Division Courses 15
 - History of Western Civilization
 - HY 101, 102, or 201, 202 6
 - U.S. History HY 151, 152, or 251, 252 6
 - Intro to the Study of History HY 210 3
 - **3. Other History Courses 27
 - History Seminar 3
 - Seminar or Colloquium 3
 - Upper Division History (minimum) 12
 - Additional History Upper or Nonrequired Lower Division 9
 - C. Electives 28-36
- II. Secondary Education Option
 - A. General University Requirements:
 - American National Government 3
 - B. History Requirements:
 - 1. Lower Division Courses 15
 - History of Western Civilization
 - HY 101, 102, or 201, 202 6
 - U.S. History HY 151, 152 or 251, 252 6
 - Introduction to the Study of History HY 210 3
 - **2. Other History Courses 27
 - U.S. History Electives (Upper Division) 3
 - Upper Division History (minimum) 12
 - Seminar or Colloquium 3
 - Additional History Electives (Upper or Nonrequired Lower Division) 9
 - C. Education Requirements for State Certification for Secondary Education to include SS 450 22-27
 - D. Electives 18-13

*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.

III. History—Social Science Secondary Education Option

The Social Science Secondary Education Option Degree Programs are cooperative, interdisciplinary programs involving the Departments of Economics, History, Political Science, and Sociology. Each department provides a major curriculum of not less than 30 credit hours. In addition, each of the previously listed departments, with the inclusion of Anthropology, Geography, and Psychology, provide for a minor curriculum of not less than 15 credit hours with the addition of 6 hours of U.S. History as a certification requirement. A student enrolled in a Social Science Secondary Education Option must include one major curriculum and two minor curricula in the degree program. The student is assigned to the department with the major curriculum: History.

A. Lower Division Courses:

- 1. U.S. History HY 151, 152 or 251, 252 6
- 2. Western Civilization HY 101, 102 or 201, 202 6
- 3. Intro to the Study of History HY 210 3

B. Other History Courses (minimum of 15 Upper Division-3 Upper Division 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).

Social Science Curriculum Minor

Similar Social Science curriculum majors are available in the various Social Science disciplines in which the courses would constitute the 30-credit core of the major and History would serve as one of the associated 20-credit blocks. For such a major the Department of History requires that at least 9 of the 21 History credits be Upper Division, that 6 hours of the 21 hours be in U.S. History to meet state certification requirements, and that the remaining courses be selected to complement their major.

IV. History Minor Option

Minor certification endorsements for teaching areas are listed in the Catalog on page 103 of the Department of Teacher Education Section within the School of Education Division.

(Suggested Program)

All History courses specifically required for the major are offered each semester allowing for some flexibility in student scheduling. However, the Department strongly encourages History majors to take HY 210 by the second semester sophomore year before taking any Upper Division History courses.

COURSE OFFERINGS

HY HISTORY

LOWER DIVISION

HY 101 History of Western Civilization (3-0-3) (AREA II). A political, economic, and cultural survey of western civilization from the earliest settled communities of the ancient Near East in the fourth millennium B.C. up through the cultural renaissance and religious reformation of western Europe in the sixteenth and seventeenth centuries of the Christian era.

HY 102 History of Western Civilization (3-0-3) (AREA II). A political, economic, and cultural survey of western civilization from the end of the religious wars of the seventeenth century up through the world-wide expansion of western culture in the twentieth century of the modern era.

HY 104 History of Science (3-0-3) (F/S) Alternate years. A survey on the development of the western concept of science, and cultural and scientific interaction at selected critical points of change in western history; the origins of science under the Greeks; medieval assumptions about the physical world; the scientific revolution of the seventeenth and eighteenth centuries; biological theories; and science in the modern world.

HY 105 Eastern Civilizations (3-0-3) (F/S) Alternate years. An historical survey of the Islamic civilization and the dominant civilizations of south and east Asia, with an emphasis on cultural and religious development.

HY 151, 152 United States History (3-0-3) (AREA II). First semester: the history of American civilization from Pre-Columbian days to 1877 with emphasis given to the development of the union and expansion. Second semester: a survey of the significant factors influencing American development from the Civil War to the present, including the growth of American business, and the emergence of the nation to a world power.

HY 201 Problems in Western Civilization (3-0-3) (F/S) (AREA II). A study of selected historiographical problems the researcher encounters when interpreting the history of western civilization from ancient Near Eastern to early modern European times. Not open to students with credit in HY 101. Prerequisite: High school course in World History or related subject matter or PERM/INST.

HY 202 Problems in Western Civilization (3-0-3) (F/S) (AREA II). A study of selected historiographical problems the researcher encounters when interpreting the history of

SCHOOL OF ARTS & SCIENCES

western civilization from early modern European times up through the modern twentieth century era. Not open to students with credit in HY 102. Prerequisite: High school course in World History or related subject matter or PERM/INST.

HY 205 Lewis and Clark (2-0-2) (S). A survey of the "corps of discovery" from Wood River, Illinois, to the ocean and return, with study of the medical, scientific, anthropological and other aspects of the expedition. Alternate years.

HY 210 Introduction to the Study of History (3-0-3). An introduction to the study of history for liberal arts students, exploring the nature of the discipline, and dealing with practical problems of historical research and writing, including the applications of various methodological approaches to the analysis of data. Required of all history majors, liberal arts option, prior to taking any upper division history courses.

HY 251 Problems in U.S. History (3-0-3) (F) (AREA II). Selected problems from colonial times through reconstruction following the Civil War. Not open to students who have completed HY 151. Prerequisite: High school history course or PERM/INST.

HY 252 Problems in U.S. History (3-0-3) (S) (AREA II). Selected problems from the rise of industrialism after the Civil War to the present. Not open to students who have completed HY 152. Prerequisite: High school history course or PERM/INST.

HY 261 History of Minorities in the United States (3-0-3) (F/S). Problems encountered by ethnic minorities in their quest for equal opportunity and equal rights. Alternate years.

UPPER DIVISION

HY 303 The Age of Absolutism and reason (3-0-3) (F/S). 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. Alternate years.

HY 307 Modern Germany (3-0-3) (F/S). The struggle for German unity in modern times, and the relation of this issue to the origins of the two World Wars. The problem will be traced through the "opening to the east" inspired by Willy Brandt. HY 103 recommended. Alternate years.

HY 308 France Since the Revolution (3-0-3) (F/S). The failure of Frenchmen in the 19th and 20th centuries to achieve political and social equilibrium. The problem will be traced through the establishment of the fifth Republic by Charles deGaulle. HY 103 recommended. Alternate years.

HY 309 The Renaissance (3-0-3) (S). A study of European society, economic development, artistic expression, humanism, and political concepts from the 12th through 16th centuries. Prerequisite: HY 102 or PERM/INST. Alternate years.

HY 310 The Reformation (3-0-3) (S). Survey of church-state relationships including the Babylonian Captivity, the Great Schism, the impact of the national state, the theological and political philosophies of reformers from Wycliff to the Council of Trent, and the world wide impact of Protestantism, the Catholic Reformation and dissident minority sects. Prerequisite: HY 102 or PERM/INST. Alternate years.

HY 311, 312 History of England (3-0-3) (F/S). First semester: survey of the major cultural, political, economic and religious developments in England from the beginning to 1688. Second semester: Great Britain from the seventeenth century to the present. Alternate years.

HY 313, 314 History of Russia (3-0-3) (F/S). HY 313: origin and development of the Kievan and Muscovite states. HY 314: growth and development of Tsarist Russia. Alternate years.

HY 315, 316 History of the Far East (3-0-3) (F/S). First semester: survey of the history of China and Japan to ca. 1600, emphasizing their cultural development. Korea and Viet Nam receive brief consideration. Second semester: a study of the political, economic, and cultural transformation of East Asia as a result of its interaction with the West. Alternate years.

HY 317 History of Soviet Russia (3-0-3) (F/S). A survey of the history of Soviet Russia from the last tsars through the present. Alternate years.

HY 319 Ancient Greece (3-0-3) (F/S). A study of the ancient Greek world from the Minoan sea empire of the second millennium to the empire of Alexander the Great in the late fourth century B.C. Political, economic, and cultural history are emphasized with special attention given to the outstanding achievements of the Greeks in political and philosophical thought, epic and dramatic poetry, historical writing and Visual arts. Prerequisite: HY 101, PERM/INST. Alternate years.

HY 320 Ancient Rome (3-0-3) (F/S). A survey of Rome from its earliest beginnings under Etruscan tutelage through its late imperial phase in the 5th century of the Christian era. Emphasis on political and military developments, social and religious changes, outstanding personalities, and literary, legal and artistic achievements. Prerequisite: HY 101 or PERM/INST.

HY 323 Early Christianity (3-0-3) (F/S). A study of the rise and development of Christianity from its Jewish and Greek origins in the first century through its establishment and elaboration as the state religion of the late Roman empire in the fifth century. Doctrinal, ethical, organizational, liturgical and aesthetic developments within the Christian movement, and the political, social and cultural roles of the Church within the late empire are analyzed through the media of early Christian and contemporary pagan writings and artistic remains. Alternate years.

HY 324 Medieval Europe (3-0-3) (F/S). A survey of the political, religious, economic, and cultural development of Western Europe from the fourth to the fourteenth century. Special emphasis given to the Constantinian revolution, the rise and elaboration of monasticism, the Carolingian empire, feudalism and chivalry, the Gregorian papacy, and the outstanding cultural achievements of the twelfth century renaissance. Alternate years.

HY 327 Living Religions: A Comparative Historical Study (3-0-3) (F) (Alternate years). A comparative analysis of the major active religious traditions of the world, treating their historical development, philosophical foundations and social and political ramifications, especially in modern times, with emphasis on Islam, Hinduism, Buddhism, Taoism, Shinto, Judaism and Christianity. Recommended: Hy 105.

HY 329 History of Modern South Asia: India, Pakistan and Burma from 1750 to the Present (3-0-3) (F/S) (Alternate years). The Mughal Empire; its decline; the rise of British Power; its social, political, and economic impact; South Asian reaction to British rule; the rise of nationalism and independence; and Indian and Pakistani history since 1947.

HY 330 History of Modern Africa: 1750-Present (3-0-3) (F) (Alternate years). History of the African Continent from 1750 to the present with emphasis on the sub-Saharan regions, including the slave trade, its abolition, the pre-colonial and colonial eras, independence movements and the emergence of the modern African state. Mediterranean, Black and White African states will be included.

HY 331 The Islamic Middle East (3-0-3) (F). A history of the people, institutions and culture of the Near and Middle East from Muhammad to the decline of the Ottoman and Safavid empires in the eighteenth century. Alternate years.

HY 332 The Modern Middle East (3-0-3) (S). A history of the Near and Middle East during the nineteenth and twentieth centuries, the decline of the Ottoman Empire, the breakdown of cosmopolitan Islam and the rise of Turkish, Iranian, Arab and Israeli nationalism. HY 103 recommended. Alternate years.

HY 333 History of Sports and the American Ideal (3-0-3) (F/S). Traces the historic development of sport in America and its impact on American society. From Indian games to Big League this course has something for every interest. The area of sport is placed within the context of American thought and the social milieu of the nation.

HY 334g United States Social and Cultural History (3-0-3) (F/S). Selected themes from colonial times to the present. The nature and meaning of the national experience, customs, traditions and intellectual developments. HY 151, 152 recommended.

335 Diplomatic History of the United States (3-0-3) (F/S). Development of diplomacy from the foundation of the Republic to the present with emphasis on the emergence and continuance of the United States as a world power, and the impact of domestic developments upon the formulation of foreign policies. HY 151, 152 recommended. Alternate years.

HY 336 United States Constitutional History (3-0-3) (F). A study of the origins, writing and development of the American constitution emphasis on the role of the Supreme Court. Prerequisite: HY 151, 152 or PERM/INST. Alternate years.

HY 338 History of Ireland (3-0-3) (F/S). The development of the concept of an Irish nationality, the effects of the long colonial relationship between Ireland and Great Britain, the struggle for Irish independence, the contemporary Ulster issue. Alternate years.

HY 351 Colonial America (3-0-3) (F). Colonial rivalry in North America: an investigation of the political organizations, social institutions, economic development, and the war for American independence. Prerequisite: HY 151 or PERM/INST.

HY 353 The National Era, 1815-1848 (3-0-3) (S). The development of American nationalism; the Era of Good Feelings; the emergence of Jacksonian Democracy; Manifest Destiny; the beginnings of sectional rivalry; and the Mexican War. Prerequisite: HY 151 or PERM/INST.

HY 354 Civil War and Reconstruction (3-0-3) (F/S). A study of the origins of the conflict between the states, the encounter and the problems of reunification. Prerequisite: HY 151 or PERM/INST. Alternate years.

HY 355 Western America (3-0-3) (F/S). The frontier as a region in transit from the Atlantic seaboard to the Pacific coast, but largely the settlement and development of the Trans Mississippi West. HY 151 recommended. Alternate years.

HY 356 The Indian in the United States History (3-0-3) (F/S). Emphasis is on Indian-white relations. The time period studied extends from early contacts, European rivalries, and the origins of the United States Indian policy, to the reservation system, Red Power, and the current Indian problems.

HY 357 Idaho and the Pacific Northwest (3-0-3) (F/S). Political, economic and social development of the Pacific Northwest with emphasis upon the people, customs and institutions of Idaho. HY 151 recommended.

HY 358 Emergence of Modern America, 1877-1917 (3-0-3). The industrial growth of the United States; emergence as a world power; Roosevelt, Wilson, and the Progressive Era. Prerequisite: HY 152 or PERM/INST.

HY 359 Recent United States, 1917 to Present (3-0-3) (S). Versailles and post-war disillusionment; boom and bust of the 20's; the Great Depression and FDR's New Deal; reappearance of the world scene; World War II and its aftermath, HY 152 recommended. Alternate years.

HY 367 Colonial Spanish America (3-0-3) (F). 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 rivalries, concluding with the independence wars of the early 19th century. Prerequisite: HY 102. Alternate years.

HY 368 Spanish American Nations (3-0-3) (S). The struggle towards democracy, economic progress, and political stability of Spanish American nations since their achievement of independence. Emphasis is on the Andean, Middle American and Caribbean areas, including their relationships with the United States. Prerequisite: HY 367. Alternate years.

HY 380 Colloquium in American History (3-0-3). Intensive studies of a particular period, topic, or problem in American history. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. Prerequisite: Upper Division standing.

HY 381 Colloquium in European History (3-0-3). Intensive studies of a particular period, topic, or problem in European history. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. Prerequisite: Upper Division standing.

HY 382 Colloquium in Third World History (3-0-3). Intensive studies of a particular period, topic, or problem in Third World history. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. Prerequisite: Upper Division standing.

HY 410 Archives and Manuscripts (3-0-3) (S). Practical experience in the arrangement and description of manuscript collections located in the Idaho State Archives at 325 West State Street, Boise, and the research and writing of a paper using original or primary sources, including newspaper collections located in the Archives.

HY 417 United States Economic History (3-0-3) (F/S). Major factors in the economic growth and development of the United States from colonial times to the present. Particular emphasis is given to the interaction of economic factors and other aspects of American society. Prerequisite: EC 201 and EC 202 or PERM/INST. May be taken for History or Economics credit, but not for both.

HY 422 History of Socialism (3-0-3) (F/S). Survey of European egalitarian ideas and movements. Emphasis given to 19th and 20th centuries. Alternate years.

HY 423g European Diplomatic History 1871—Present (3-0-3) (F/S). Major problems in European diplomacy since 1871: search for security after unification of Germany, potential collapse of Ottoman Empire, imperialism in Africa and Asia, alliance systems, origins of World Wars One and Two, cold war and merging of European diplomacy into world diplomacy. Alternate years.

HY 432 Tudor-Stuart England (3-0-3) (S). England during the reigns of Tudor and Stuart monarchies: monarchy and parliamentary government; rise of middle class; beginnings of empire; religious and social conflict; cultural developments. Alternate years.

HY 468 History of Mexico (3-0-3) (S). Examination of cultural, social, political, and economic factors affecting the historical development of the Republic of Mexico, including the historical development of Mexico from the pre-colonial period to the Wars of Independence, the Mexican Revolution of 1910, and Mexican Revolutionary movements in the 19th and 20th centuries. Alternate years.

HY 480 Seminar in American History (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in American history. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. Prerequisite: Upper Division standing.

HY 481 Seminar in European History (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in European history. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. Prerequisite: Upper Division standing.

HY 482 Seminar in Third World History (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in Third World History. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. Prerequisite: Upper Division standing.

DEPARTMENT OF HOME ECONOMICS

Science Bldg., Rm. 104 Phone 208/385-1750

Acting Chairman and Associate Professor: Mrs. Elaine M. Long;
Associate Professor: Swain; Instructor: Johnson.

The objective of the Department of Home Economics is to provide education of high quality for each of the student categories listed below.

- Students who expect to obtain a Baccalaureate Degree with a major in Home Economics or Dietetics from a school with a four-year degree program.
- 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.
- Students from other disciplines who require courses in Home Economics, such as students in Fashion Merchandising, Nursing and Physical Education.
- 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.
- Students who are interested in preparation for homemaking as a career.

The curriculums outlined are designed for those students who are interested in professional careers in Home Economics or Dietetics.

PRE-HOME ECONOMICS (Suggested Program)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
Laboratory Science	4	4
English Composition E 101-102.	3	3
Introduction to Home Economics HE 101 ...	1	—
Clothing Construction HE 103	—	3
Art AR 105, 106	2	3
Textiles HE 109	—	3

Physical Education Activities	1	1
Clothing and the Individual HE 107	2	—
Electives	2	1
	15	18

SOPHOMORE YEAR:

House Planning HE 203	—	3
Principles of Food Preparation HE 208	4	—
Home Furnishings HE 305	3	—
Nutrition HE 207	—	3
Social Science (History, Political Science) ..	3	3
Microbiology B 205	—	3
Concepts of Human Anatomy & Physiology Z 107	4	—
Psychology P 101	3	—
Introduction to Sociology SO 101	—	3
Electives	—	1
	17	16

PRE-DIETETICS OPTION (Suggested Program)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
Essentials of Chemistry C 107, 108, 109, 110 ..	4	5
English Composition E 101-102	3	3
Human Anatomy & Physiology Z 111, 112.	4	4
Psychology P 101	3	—
Sociology SO 101	—	3
Physical Education Activity	1	1
Textiles HE 109	—	3
	15	19

SOPHOMORE YEAR:

Nutrition HE 207	3	—
Principles of Food Preparation HE 208	4	—
Consumer in the Marketplace HE 250.	3	—
Algebra & Trigonometry M 111	5	—
Microbiology B 205	—	4
Technical Writing E 202	—	3
Cultural Anthropology AN 102	—	3
A First Course in Programming M 122.	—	2
Economics E 201 or 202	—	3
	15	15

COURSE OFFERINGS

HE HOME ECONOMICS

LOWER DIVISION

HE 101 Introduction to Home Economics (1-0-1) (F). 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.

HE 103 Clothing Construction (1-6-3). Clothing projects involving basic, intermediate and advanced techniques determined by student skills, abilities and interest. Emphasis on speed techniques and solution of individual fitting problems.

HE 107 Clothing and the Individual (2-0-2). Social-psychological aspects of clothing selection. Design principles related to individual figure proportions, personality and need. Wardrobe planning, selection and care.

HE 109 Textiles (2-2-3) (S). Natural and synthetic textile fibers, yarns, and fabrics. Selection of appropriate fabrics for various uses, considering wearing qualities and care required. Investigate the relationship of raw materials, construction, and finish to quality and cost. Major laws and regulations.

HE 111 Fashion Analysis and Design (2-0-2) (S). Historical aspects of costume and its effect on today's fashion. Functional role of design, problems related to designing, contributions of designers, and career opportunities in field.

HE 203 House Planning (3-0-3) (S). Basic considerations in house planning for economy, efficiency, comfort and beauty. Evaluation of plan relevant to family needs, interior/exterior design, materials, financing and methods of construction. Housing in relation to energy conservation and society.

HE 207 Nutrition (3-0-3). Study of fundamentals of nutrition as a factor in maintaining good health. Present day problems in nutrition are also discussed. Open to all students.

HE 208 Principles of Food Preparation (2-6-4) (F). Interrelationships of the nutritive value of foods, principles of food preparation, and the human body. Approved techniques of food preparation to retain nutrients and enhance palatability, food safety and sanitary practices, and food management will be stressed. Prerequisite or Corequisite: HE 207.

HE 225 Parenthood and Child Development (3-0-3). Parenthood skills and physical, mental, social, emotional and ethical aspects of child development. Husbands and pregnant-

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cy, employed mothers, discipline, a child's self-esteem, schools and teachers, sex education, and father power. Prerequisite: P 101.

HE 235 Dating and Marriage (3-0-3). A practical study of dating, courtship, mate selection, engagement and marriage, including sexual adjustment, reproduction and family economics. Principles of human relations and factors contributing to marriage happiness will be emphasized.

HE 250 Consumer in the Marketplace (3-0-3) (F). Factors affecting financial management including purchase of goods and services (food, clothing, furniture, housing, autos, etc.), establishing personal spending plans, the merits and hazards of credit, taxes, consumer protection and estate planning.

UPPER DIVISION

HE 303 Tailoring (0-6-3) (S). Basic principles applied through construction of a wood garment using custom tailoring techniques plus second garment involving "speed technique". Choice of fabric. Fitting problems analyzed and solved via development of a personalized fitting shell. Prerequisite: HE 103 or PERM/INST.

HE 305 Home Furnishings and Interior Design (3-0-3) (F). 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.

HE 321 Foods of Other Cultures (1-4-3) (S). Regional, ethnic, and religious influences on food patterns. Laboratory experience with food from several countries. Provides background knowledge and skills necessary to interpret influences on food patterns and people's actions. Prerequisite: HE 208 or PERM/INST.

DEPARTMENT OF MATHEMATICS

Science Bldg., Rm. 202 Phone 208/385-1172

Chairman and Professor: Dr. Charles R. Kerr; *Associate Chairman and Associate Professor:* Dr. Masao M. Sugiyama; *Professors:* Hughes, Juola, Maloof, Mech, Takeda; *Associate Professors:* Anderson, Ball, Eastman, Ferguson, Furuyama, Hausrath, Kenny, Lamet, Sulanke, Ward, Winans, Young; *Assistant Professors:* Goldman, Smartt.

The Department of Mathematics provides two Bachelor Degree Programs. The Curriculum leading to the Bachelor 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 Degree Program is to provide advanced education for junior and senior high school Mathematics teachers.

MATHEMATICS MAJOR
Bachelor of Arts or Bachelor of Science

- I. Mathematics Degree
 - 1. University Requirements for BA or BS Degree, Including Electives.
 - 2. Mathematics Requirements:
 - Lower Division
 - Calculus through M 206 or 212
 - Digital Computer Programming M 124
 - Applied Fortran Programming M 225 or
 - Assembler Language M 226
 - Upper Division Mathematics 27
 - One or more of:
 - Linear Algebra M 301 4
 - Intro to Abstract Algebra M 302 3
 - Number Theory M 306 3
 - One or more of:
 - Foundations of Analysis M 314 3
 - Numerical Analysis M 340 4
 - Complex Variables M 406 3
 - One or more of:
 - Fundamentals of Statistics M 361 4
 - Probability & Statistics M 431-432 6
 - One of the following sequences ending at the 400 level:
 - I. Algebra M 441-442
 - II. Analysis M 401-402
 - III. Probability & Statistics M 431-432

- IV. Applied Mathematics M 321-322-421
 - V. Computer Science M 354-358-451
- and a 400 level course (of 3 or more credits) in addition to those in the sequence selected. M 406 or M 431-432, which may be used in specific area requirements, are also allowed in satisfying the overall requirements of 27 Upper Division hours in Mathematics.

The particular Mathematics courses used to satisfy the degree requirements may be chosen from specific courses in such areas of Mathematics as: Computer Programming, Applied Mathematics, Statistics, and Theoretical Mathematics. A degree program emphasizing one or more of these areas can be developed by the student with the assistance of his academic advisor.

Students interested in Engineering can form a program leading to a Bachelor Degree in Mathematics. This program could include many of the Upper Division Physics or Engineering courses offered at BSU 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 M 109, M 124, M 226, M 354, M 358 and M 451.

For students preparing for graduate work in a mathematical field, both M 401-402 and M 441-442 are recommended. Additional courses should be selected with the aid of the student's advisor. A reading knowledge of at least one of French, Russian or German is highly desirable.

- II. Secondary Education Degree:
 - 1. University Requirements for BS or BA Degree
 - 2. Mathematics Requirements:
 - A. M 122 or 124 2
 - B. M 204, 205, 206 or 211, 212 10-13
 - C. M 301 4
 - D. At least one of M 302 or 306 3
 - E. M 311 3
 - F. M 314 3
 - G. M 361 or 431, 432 4-6
 - H. M 490 3
 - I. M 564 or Equivalent Mathematical Application Course 3
 - J. Either 45 semester hours of Mathematics or an approved area of emphasis outside of Mathematics.
 - (NOTE: For those students planning to teach junior high school Mathematics, M 103 is strongly recommended.)
 - 3. Education Requirements 22

MATHEMATICS MAJOR
Bachelor of Science
Emphasizing Computer Science
(Suggested Program)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Calculus M 204-205	5	4
First Course in Programming M 122	2	—
Fortran M 124	—	2
Fundamentals of Speech Communication CM 111	3	—
Area II	—	3
Area I	3	—
Electives (Area I)	—	3
	16	15
SOPHOMORE YEAR:		
Calculus M 206	4	—
Linear Algebra	—	4
Microprocessor Assembler PH 307	2	—
Assembler M 226	—	4
Principles of Economics	3	3
Advanced Fortran M 225	—	2
Introduction to Logic PY 121	3	—

Technical Writing E 202.....	—	3
Electives.....	4	—
	16	16

JUNIOR YEAR:

COBOL DP 360.....	3	—
Numerical Analysis M 340.....	—	4
Data Structures M 358.....	—	4
Programming Languages M 354.....	4	—
Statistics M 361.....	—	4
Accounting AC 205-206.....	3	3
Simulation Techniques DP 345.....	3	—
*Electives.....	3	2
	16	17

SENIOR YEAR:

Systems Programming M 451.....	4	—
Linear Programming M 456.....	—	4
Data Processing Applications DP 405.....	3	—
System Analysis and Design DP 420.....	—	3
Principles of Finance FI 303.....	3	—
*Electives (possible Internships).....	6	9
	16	16

*Need to include 3 more Mathematics credits at the 400 level.

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)**

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102.....	3	3
Calculus M 204, 205 or 211, 212.....	5	4-5
Electives.....	8	9-8
	16	16
SOPHOMORE YEAR:		
Calculus M 206.....	0-4	—
Programming M 122 or 124.....	2	—
General Psychology P 101.....	3	—
Foundations of Education TE 201.....	—	3
Linear Algebra M 301.....	—	4
Electives.....	7-11	9
	16	16
JUNIOR YEAR:		
Foundations of Analysis M 314.....	3	—
Algebra M 302 or Number Theory M 306.....	—	3
Statistics M 361 or 431, 432.....	3-4	0-3
Educational Psychology P 325.....	3	—
Electives.....	7-8	5-8
Secondary School Methods TE 381.....	—	3
Teaching Reading in Content Subjects TE 307.....	—	3
	17	17
SENIOR YEAR:		
Foundations of Geometry M 311.....	3	—
Mathematics in Secondary School M 490.....	3	—
Secondary Student Teaching.....	9	—
Electives.....	—	11
Mathematical Modeling M 564 (or equivalent).....	—	3
Educating Exceptional Sec Stu TE 333.....	—	1
	15	15

COURSE OFFERINGS

M MATHEMATICS

LOWER DIVISION

M 012 Arithmetic Review (2-0-0) (F/S). A review course for those who have forgotten how to add, subtract, multiply, and divide using whole numbers, fractions, decimals,

percents, and signed numbers. Applications include measures of weight, area, and volume.

M 020 Algebra Review (3-0-0). A refresher course for students in education, engineering, science, or business. Algebra is covered from fundamental operations through the level required for M 103, 105, 111 or 115.

M 100 A Cultural Approach to Mathematics (4-0-4) (AREA III). Designed for liberal arts students. The aspects of mathematics emphasized help cultivate creativity, abstract thought processes, an appreciation of the nature of mathematics, and an understanding of its relationship to other aspects of our culture. Prerequisite: A year of high school mathematics or PERM/INST.

M 103-104 Elementary Mathematics for Teachers (3-2-4). 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, real number postulates, algorithms, algebraic and geometric principles, measurement, graphing and introductory probability. Prerequisite: High school algebra and geometry or PERM/INST.

M 105 Mathematics for Business Decisions (4-0-4) (AREA III). Matrices, systems of linear equations, graphing, linear programming, discrete probability. Placement will be determined by ACT score or grade of "satisfactory" in M 020.

M 106 Mathematics for Business Decisions (4-0-4) (AREA III). Limits, derivatives, curve sketching, partial derivatives, optimization problems, and integrals. Prerequisite: M 105 or 111.

M 109 Introduction to Computers (3-1-4) (F/S). The potential and limitations of computers, and their impact on society. The course includes an introduction to computer hardware and programming. Designed for non-science majors.

M 111 Algebra and Trigonometry (5-0-5) (AREA III). Selected topics in college algebra and trigonometry. The course will prepare the student for calculus. Placement will be determined by ACT score or a grade of "satisfactory" in M 020.

M 115-116 Mathematics for the Life Sciences (5-0-5). 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. Placement will be determined by ACT score or a grade of "satisfactory" in M 020.

M 122 A First Course in Programming (2-0-2). Programming concepts using a conversational language such as BASIC with a small to medium size computer such as the Hewlett-Packard 3000.

M 124 Digital Computer Programming (2-0-2) (F/S). Course for engineering, science, or math majors to introduce FORTRAN and BASIC programming principles and logic, including input-output, flow charting, handling arrays and subprograms all applied to problem solving. Should have math background equal to or exceeding one of core requirements. Corequisite: M 106, 111, 115.

M 204 Calculus and Analytic Geometry (5-0-5) (AREA III). 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.

M 205 Calculus and Analytic Geometry (4-0-4) (AREA III). Calculus of exponential, logarithmic and trigonometric functions. Techniques of integration. Indeterminate forms, Taylor's Formula, and infinite series. Prerequisite: M 204.

M 206 Calculus and Analytic Geometry (4-0-4) (AREA III). Three dimensional analytic geometry and introduction to vector algebra and calculus of vector valued functions. Partial differentiation and multiple integration. Prerequisite: M 205.

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

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

M 225 Intermediate Applied Programming (2-0-2). An intermediate course stressing the algorithmic techniques of problem solving using the computer. Stress will be on languages and programming topics for the solution of science and engineering problems. Will concentrate on FORTRAN but will use other programming languages. Prerequisite: EN 104 (M 124). Credit cannot be obtained for both EN 225 and M 225.

M 226 Assembler Language (4-0-4) (S). Assembler language programming for the IBM 370. Data representation, the machine instructions, looping, address modification, hand-some output, program sectioning and linking, macros. Prerequisite: M 124 (EN 104) or M 122 or PERM/INST.

UPPER DIVISION

M 301 Linear Algebra (4-0-4). Matrix algebra, determinants, vector spaces and linear transformations. Prerequisite: M 206 or 212.

M 302 Introduction to Abstract Algebra (3-0-3) (S). Sets, groups, integral domains, rings, fields. Prerequisite: M 206 or 212.

M 306 Number Theory (3-0-3) (S). Primes, congruences, Diophantine equations, residues, quadratic forms, continued fractions. Prerequisite: M 205 or 212.

M 311 Foundations of Geometry (3-0-3). Euclidean, non-Euclidean, and projective geometries from an axiomatic point of view. Prerequisite: M 205 or 212.

M 312 Combinatorial Geometry (3-0-3) (S). Study of curves and surfaces in Euclidean spaces, maps, networks, topological equivalence of figures, topological spaces, and metric spaces. M 205 or 212. Odd numbered years.

M 314 Foundations of Analysis (3-0-3) (F/S). Logic, axiomatics, sequences, foundations of calculus, structure of the real numbers. Prerequisite: M 206 or 212.

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M 321-322 Advanced Engineering Mathematics (4-0-4). Basic mathematics needed for engineering and sciences. Linear ordinary differential equations and Laplace transforms. Linear algebra and systems. Closed form and numerical solutions for differential equations. Vector analysis. Complex variables. Prerequisite: M 206 or 212.

M 340 Numerical Analysis (4-0-4) (S). 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. Prerequisite: M 124 (EN 104), M 206 or 212.

M 354 Programming Languages (4-0-4) (F). A survey of current languages (such as FORTRAN, COBOL, PL/1, SNOBOL, LISP, APL, GPSS), their programming and design. Syntax and semantics. Information binding, strings, arithmetic, input/output. Recursion, multiprocessing, extensibility. Prerequisite: M 226 or PERM/INST. Odd numbered years.

M 358 Data Structures (4-0-4) (S). The representation of data; lists, stacks, queues, storage mapping, tree structures, hierarchic data structures, recursion, searching and sorting, codes, data structures in programming languages. Prerequisite: M 226 or PERM/INST.

M 361 Fundamentals of Statistics (4-0-4) (S). Discrete probability, random variables, distributions, central limit theorem, descriptive statistics, regression and correlation, tests of hypotheses, design of experiments and sampling surveys. Prerequisite: One of M 106, 116, 205 or 212.

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

M 406G Theory of Functions of a Complex Variable (3-0-3) (F). Complex numbers, functions of a complex variable, analytic functions, infinite series, integration, conformal mapping. Prerequisite: M 206 or 212.

M 411 Introduction to Topology (3-0-3) (S). Sets, metric spaces, topological spaces, continuous mappings, connectedness, compactness. Even numbered years. Prerequisite: M 314.

M 421 Fourier Series and Boundary Value Problems (4-0-4) (F). A continuation of M 321-322. The wave equation, the heat equation, and Laplace's equation. Orthogonal sets of functions and Fourier series solutions. Boundary value problems. Prerequisite: M 322. Even numbered years.

M 431G-432G Probability and Statistics (3-0-3) (F/S). Basic concepts of probability theory, sample spaces, random variables, mathematical expectation, central limit theorem, estimation and testing of hypotheses. Prerequisite: M 206 or 212.

M 441-442 Abstract Algebra (3-0-3) (F/S). Set theory, group theory, homomorphism theorems. Sylow theorems, ring theory, ideal theory, field theory, field extensions. Galois groups. Prerequisite: M 301, 302. Even numbered years.

M 451 Systems Programming (4-0-4) (F). Machine language programming, compiled languages, program optimization, computer logic and design. Prerequisite: M 226.

M 456G Linear Programming (4-0-4) (S). Simplex algorithm, duality theory, postoptimality problems, and transportation problems. Prerequisite: M 301. Odd numbered years.

M 490 Mathematics in Secondary Schools (3-0-3) (F). Objectives, content, and methods of secondary school mathematics programs. Prerequisite: Six hours of Mathematics completed at, or above, the 300 level.

DEPARTMENT OF MILITARY SCIENCE (ARMY ROTC)

Cadre: Major Pedersen, Capt. Brown, SGM Flowers, SFC Sutter

The Reserve Officers' Training Corps was established at Boise State University in 1977 under provisions recommended to the State Board of Education and in accordance with national requirements. Under the regulations of the University, participation by students in the program is voluntary.

The objective of the Senior Division, Army ROTC, is to provide university students who have ability and desire an opportunity to become commissioned officers in the United States Army Reserve. In addition, the Senior Division provides a major source of procurement for junior officers in the Regular Army. The procurement is accomplished through the selection of distinguished military graduates.

SCOPE OF INSTRUCTION

General. The complete course of instruction leading to a commission as a Second Lieutenant comprises four years and one summer camp, or two years and two summer camps. Training in 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 na-

tional 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) be able to complete all requirements for commissioning prior to his/her 30th birthday. In exceptional circumstances, the age requirement may be waived or a compression of Military Science courses may be authorized to permit qualification for appointment before the 34th birthday (students seeking a commission in the Regular Army must complete the course and graduate before reaching age 27); (3) successfully complete prescribed survey and general screening tests; (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 in which the student agrees to complete the advanced course at Boise State University or any other institution at 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 allowance 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 an allowance of \$100 a month for up to ten months a year for two years. Summer camp pay in addition to meals, quarters, and medical and dental attention is paid as follows: Basic camp, \$400 (approximately); regular camp, \$500 (approximately); travel pay, \$.10 per mile each way. A uniform allowance of \$300 is paid to each commissioned student upon entry into active duty.

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 U.S. Government and are provided solely for the purpose of furthering the military training of the student concerned. Students are responsible for the safekeeping, care, and cleanliness of the property issued to them.

COURSE OFFERINGS

ML MILITARY SCIENCE

ML 101 Introduction to Military Science (1-1-1). Provides an overview of ROTC to include history of ROTC; a synopsis of the organization of the U.S. Army and a general introduction to military equipment. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

ML 102 Introduction to Military Science (1-1-1). Provides an introduction to Geopolitics, war strategy and tactics, and leadership. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

ML 201 Introduction to Leadership (2-1-2). Prepares the student for the ROTC advanced course. An introduction to leadership and basic map reading/orienteering. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

ML 202 Military History (2-1-2). Prepares the student for the ROTC advanced course and the profession of Arms. Enables the student to form general concepts of the evolutionary nature of warfare, identifying those elements of conflict 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. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

ML 301 Leadership and Management (3-1-3). Increases the student's poise and confidence as a military instructor and leader. Provides information on the branches of the Army available for assignment and prepares each student to make his/her selection during the senior year. Prepares the student for participation in advanced camp. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

ML 302 Basic Tactics (3-1-3). Introduces student to the fundamentals of combat operations. Prepares the student for ROTC advanced camp. Develops leadership abilities, promotes confidence, and readies students for military service as commissioned officers. Laboratory consists of participation in leadership exercises, adventure training, and orientations.

ML 401 Advanced Tactics (3-1-3). 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. Students apply principles of leadership by planning and executing laboratory training.

ML 402 Professional Preparation (3-1-3). Prepares the prospective Army officer for initial Army assignment. Covers the position of the United States in the world today 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. Students apply principles of leadership by planning and executing laboratory training.

DEPARTMENT OF MUSIC

Music/Drama Bldg., Rm. 122B

Phone 208/385-1771

Chairman and Professor: Wilber D. Elliott; *Associate Chairman and Associate Professor:* Donald Oakes; *Professors:* Baldwin, Best, Cleveland, Meyer; *Associate Professors:* Bratt, Hopper, Hsu, Shelton; *Assistant Professors:* Baldassarre, Chacon, Samball, Schroeder, Thomason; *Adjunctive Faculty:* Rosenbaum.

**GIFTS AND MEMORIALS
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 concerts, teaching, and practice purposes. The console for the Harry E. Morrison Memorial Carillon, built by Maas-Rowe, is also in the auditorium. 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.

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. & Mrs. Robert deNeufville	Alice Gould
Dr. & Mrs. Arthur C. Jones	Senator Len Jordan
Bryant S. Martineau	Marjorie Palmquist
Mr. & Mrs. Edward Utley	Mrs. Eli Weston

MUSIC MAJOR PROGRAMS

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

1. The Bachelor of Music Degree is essentially a professional music degree with emphasis in Performance, Theory-Composition, or Music Education.
 - a. Major emphasis in Performance or Theory-Composition: designed to train performers, performing artist teachers, and composers, this program is basic to prepare students for graduate work in the performing, creative, and college or university teaching fields.
 - b. Major emphasis in Music Education: designed to prepare students for music teaching careers in the secondary and elementary educational systems and also prepares students for graduate work in Music Education.
2. The Bachelor of Arts Degree with Music major is a general Liberal Arts Degree designed for the student who wants a general Music major within a broader based program.
 - I. Bachelor of Music Program
 - A. General Requirements:
 1. 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.
 2. All Bachelor of Music majors whose major instrument is other than keyboard are required to pass, no later than the end of the junior year, 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 MU 213 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-Composition majors; Details are available from the Music Department.
 3. 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 eight credits over a normal four-year course of study, except that Performance majors in Piano, Voice or Guitar will take only six credits of major Ensembles. Piano Performance majors will take two credits of Accompanying (ME 180, 380) toward the required six credits. Guitar majors may take two credits of Guitar Ensemble (ME 167, 367) toward the required six credits. Music Education majors will take seven credits of Ensemble. Other Ensembles may be taken as electives in addition to the required major Ensembles.
 4. The following core of Music courses will be included in all Bachelor of Music curricula:

Concert Class MA 010 (attendance required each semester of full-time residency; Music Education majors exempt during semester/weeks of student teaching)	0
Materials of Music I, II, III, IV - MU 119, 120, 219, 220 and Ear Training I, II, III, IV - MU 121, 122, 221, 222	18
Basic Conducting MU 261	1
Survey of Music History and Literature I, II, III, IV - MU 341, 342, 343, 344	10
Ensemble (see A3 above)	6-8
	35-37
 - B. Emphasis Requirements
 1. Performance Emphasis Minimum Requirements:
 - a. General University and Basic Core Requirements for Bachelor of Music Degree (including 3 credits of Music History in Area I)
 - 29-32
 - b. Music Requirements:
 - (1) Music Core
 - 35-37
 - (2) Performance Studies
 - 30
 - All Performance majors will take 2 credits of Performance Studies the first semester,

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freshman year, and perform a 4 credit jury prior to enrolling in 4 credit Performance Studies second semester. MC 400 Level Studies: 8 credits minimum.

c. Additional Upper Division Courses. 16-22

Keyboard Harmony and Basic Improvisation MU 313-314 4

Counterpoint MU 423, 424. 6

Advanced Form and Analysis MU 410. 3

Choral or Instrumental Conducting MU 365, 366. 1*

Major Instrument Literature MU 457 2**

Major Instrument Pedagogy I, II MU 463-464 4**

Senior Recital MA 446 2

d. Electives. 7-18

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*Not required of Piano, Voice or Guitar majors.
 **Required only of Piano, Voice or Guitar majors.

2. Theory-Composition Emphasis Minimum Requirements

a. General University and Basic Core Requirements for Bachelor of Music Degree (including 3 credits of Music History in Area I) 29-32

b. Music Requirements:

(1) Music Core 35-37

(2) Lower Division Performance Studies. 16

Performance Major Studies 8

Performance Minor Studies (Piano, unless major instrument is Keyboard). 8

(3) Additional Upper Division Courses. 31

MC 300 Level Performance Major Studies 4

Keyboard Harmony and Basic Improvisation MU 313, 314 4

Counterpoint MU 423, 424. 6

Advanced Form and Analysis MU 410. 3

Band Arranging MU 455 2

Choral and Instrumental Conducting MU 365, 366 2

Music Composition MA 410 8

Senior Comp. Recital MA 447 or Music Seminar MU 498. 2

C. Electives. 12-17

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3. Music Education Emphasis Minimum Requirements

a. General University and Basic Core Requirements for Bachelor of Music Degree (including 3 credits of Music History in Area I) 29-32

b. Music Requirements:

(1) Music Core 35-37

(2) Major Instrument Performance Studies. 14

MC 300 Level or above: 4 credits minimum

(3) Additional Lower Division Courses 7

Orientation to Music Education MU 271 1

Instrumental Techniques and Methods MU 257, 266 4

Vocal Techniques and Methods MU 256. 2

(4) Additional Upper Division Courses 13

Band Arranging MU 455 2

Band and Orchestra Methods and Materials MU 387 2

Choral Methods and Materials MU 385. 2

Choral and Instrumental Conducting MU 365, 366 2

Instrumental Techniques and Methods MU 368, 369. 4

One-half Senior Recital MA 444 1

(5) Education School Requirements 19

General Psychology P 101, Area II 3

Educational Psychology P 325 3

Foundations of Education TE 201 3

Secondary School Methods TE 381 3

Educating Exceptional Secondary Student TE 333. 1

Secondary Student Teaching TE 484, 485 12

c. Electives. 9-14

(1) Recommended Music Electives:

Functional Piano MU 213 2

Teaching Music in the Elementary Classroom MU 372 (to qualify students for Idaho State Certification for Elementary School Music Specialist) 2

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II. BACHELOR OF ARTS PROGRAM REQUIREMENTS

A. General University and Basic Core Requirements for Bachelor of Arts Degree

B. Minimum Music Requirements:

Performance Studies 8

Materials of Music I, II, III, IV MU 119, 120, 219, 220 14

Ear Training I, II, III, IV MU 121, 122, 221, 222 4

Survey of Music History and Literature Courses (2 to be chosen from MU 341, MU 342, 343, 344 4-6

Ensemble 4

Concert Class MA 010 each semester 0

Performance, Theory, Music Education, Music History Electives (to support Senior Recital* or Senior Project**) 10

Senior Recital* or Senior Project** 1

45-47

*See MA 444 course description for details of the Senior Recital.
 **An independent study terminal project under faculty supervision and with the approval of the Department Chairman in the areas of Music Theory, Music History/Literature, or Music Education.

III. 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. Emphasis is 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.

IV. Master of Arts in Secondary Education, Music Emphasis. Details may be found in the Graduate School Section of this Catalog.

Suggested Programs

I. Performance Emphasis Majors:

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition E 101-102.	3	3
Area II Courses	3	3
Concert Class MA 010	0	0
Materials of Music I, II MU 119-120	4	4
Ear Training I, II MU 121-122	1	1
Performance Major MC 1-2, 1-4.	2	4
Major Ensemble ME 1—	1	1
	14	16

SCHOOL OF ARTS & SCIENCES

SOPHOMORE YEAR:

Literature	3	—
Area I Course	—	3
Area II Course	3	—
Concert Class MA 010	0	0
Materials of Music III, IV MU 219-220	3	3
Ear Training III, IV MU 221-222	1	1
Major Ensemble ME 1—	1	1
Basic Conducting MU 261	—	1
Performance Major MC 2-4	4	4
Electives	2	3
	<u>17</u>	<u>16</u>

JUNIOR YEAR:

Foreign Language	4	4
Concert Class MA 010	0	0
Music History I, II MU 341, 342	2	2
Keyboard Harmony**** MU 313-314 and/or Electives*	2	5
Counterpoint MU 423 or 424	3	—
Major Ensemble** ME 3—	1	1
Performance Major MC 3-4	4	4
	<u>16</u>	<u>16</u>

SENIOR YEAR:

Music History III, IV MU 343, 344	3	3
Concert Class MA 010	0	0
Counterpoint MU 423 or 424	3	—
Advanced Form and Analysis	—	3
Major Ensemble** ME 3—	1	1
Inst. or Choral Cond.*** MU 365 or 366	1	or 1
Performance Major MC 4-4	4	4
Senior Recital MA 446	2	or 2
Keyboard Harmony**** MU 313-314 and/or Electives*	4-6	3-5
	<u>17</u>	<u>17</u>

*Piano, Voice or Guitar majors must include major Instrument Literature MU 457 and Pedagogy MU 463-464.

**Piano majors must include 2 credits of Accompanying ME 180, 380. Guitar majors must include 2 credits of Guitar Ensemble ME 167, 367.

***Not required of Piano, Voice or Guitar majors.

****Keyboard Harmony is offered alternate years only. See course description.

II. Theory Composition Majors:

FRESHMAN YEAR:

	1ST SEM.	2ND SEM.
English Composition E 101-102	3	3
Area II Courses	3	3
Concert Class, MA 010	0	0
Materials of Music I, II MU 119-120	4	4
Ear Training I, II MU 121-122	1	1
Major Ensemble ME 1—	1	1
Major and Minor Performance Studies MC 1-2	4	4
	<u>16</u>	<u>16</u>

SOPHOMORE YEAR:

Area I Literature	3	—
Area I or II Courses	3	3
Electives	—	3
Concert Class MA 010	0	0
Materials of Music III, IV MU 219-220	3	3
Ear Training III, IV MU 221-222	1	1
Music History I, II MU 341, 342	2	2
Major Ensemble ME 1—	1	1
Major and Minor Performance Studies MC 2-2	4	4
	<u>17</u>	<u>17</u>

JUNIOR YEAR:

Concert Class MA 010	0	0
Music Composition MA 410	2	2
Major Performance Studies MC 3-2	2	2
Major Ensemble ME 3—	1	1
Band Arranging MU 455	2	—
Counterpoint MU 423 or 424	3	—
Basic Conducting MU 261	—	1

Advanced Form and Analysis MU 410	—	3
Music History III, IV MU 343, 344	3	3
Keyboard Harmony* MU 313-314 and/or Electives	4	5
	<u>17</u>	<u>17</u>

SENIOR YEAR:

Foreign Language	4	4
Concert Class MA 010	0	0
Music Composition MA 410	2	2
Counterpoint MU 423 or 424	3	—
Major Ensemble ME 3—	1	1
Choral Conducting MU 365	1	—
Instrumental Conducting MU 366	—	1
Keyboard Harmony* MU 313-314 and/or Electives	4	3
Composition Recital MA 447	—	2
	<u>15</u>	<u>13</u>

*Keyboard Harmony is offered alternate years only. See course descriptions.

III. Music Education Emphasis Majors:

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Area II Courses including Psychology P101	3	3
Area I and Electives	3	3
Concert Class MA 010	0	0
Materials of Music I, II MU 119-120	4	4
Ear Training I, II MU 121-122	1	1
Major Ensemble ME 1—	1	1
Performance Studies MC 1-2	2	2
	<u>17</u>	<u>17</u>

SOPHOMORE YEAR:

Area I Literature	3	—
Foundations of Education TE 201	—	3
Concert Class MA 010	0	0
Materials of Music III, IV MU 210-220	3	3
Ear Training III, IV MU 221-222	1	1
Inst. Tech. and Meth. MU 257, 266	2	2
Orientation to Music Educ. MU 271	1	—
Basic Conducting MU 261	—	1
Functional Piano MU 213 (Electives)	2	—
Vocal Techniques MU 256	—	2
Music History I, II MU 341-342	2	2
Major Ensemble ME 1—	1	1
Performance Studies MC 2-2	2	2
	<u>17</u>	<u>17</u>

JUNIOR YEAR:

Foreign Language or Area III	4	4
Concert Class MA 010	0	0
Inst. Tech and Meth. MU 368, 369	2	2
Band and Orch. Meth. MU 387	2	—
Choral Meth. MU 385	—	2
Choral Conducting MU 365	1	—
Inst. Conducting MU 366	—	1
Music History III, IV MU 343, 344	3	3
Major Ensemble ME 3—	1	1
Performance Studies MC 3-2	2	2
Electives	2	1
	<u>17</u>	<u>16</u>

SENIOR YEAR:

Educational Psychology P 325	3	—
Secondary School Methods TE 381	3	—
Concert Class MA 010	0	—
Performance Studies MC 3-2	2	—
Senior Recital MA 444	1	—
Major Ensemble ME 3—	1	—
Band Arranging MU 455	2	—
Elementary Music Meth. MU 372 (Elective)	2	—
Exceptional Educ. Meth. TE 333	—	1
Student Teaching TE 484, 485	—	12
	<u>14</u>	<u>13</u>

SCHOOL OF ARTS & SCIENCES

COURSE OFFERINGS

MA MUSIC APPLIED—PERFORMANCE CLASSES, RECITALS

MA 010 Concert Class (0-1-0) (FS). Student, guest and/or faculty performances. Minimum attendances per semester: 10 for music majors, 6 for minors; plus attendance at a minimum of 5 Music Department sponsored concerts/recitals. Participation in the concert/recital does not equal attendance for meeting this requirement.

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

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

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

MA 150 Piano Class (0-1-1) (FS). Each semester. Maximum 2 credits allowed.

MA 180 Voice Class (0-1-1) (FS). Each semester. Maximum 2 credits allowed.

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

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

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

MA 410 Music Composition (2-0-2) (FS). 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: PERM/INST.

MA 444 Music Education—Bachelor of Arts Senior Recital (0-V-1). This course is a one-half recital to be presented as the culminating performance project for music education majors and for bachelor of arts music majors emphasizing performance. Prerequisite: 300-level performance ability and PERM/INST. Graded pass/fail.

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

MA 446 Senior Performance Recital (0-V-2). This course is a full recital to be presented as the culminating project for performance emphasis majors within the bachelor of music program. Prerequisite: 400-level performance ability and PERM/INST. Graded pass/fail.

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

MC MUSIC-PRIVATE LESSON PERFORMANCE STUDIES

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

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

Generally, freshmen will enroll in 100-level studies, sophomores in 200-level studies, juniors in 300-level studies, and seniors in 300 or 400-level studies. Non-music majors will enroll initially in 100-level studies. Before permission is granted to any student to enroll in the next higher level, the student must perform before a faculty jury toward the determination of appropriate level placement. Juries are held at the end of each semester. Music majors are required to perform on their major instrument before a faculty jury each semester. Details in performance level requirements for each instrument and voice are available from the Music Department office. All MC undergraduate courses may be repeated for credit (no limit). Students transferring into the Music Department as Music majors from another institution or from another department within BSU must complete a performance examination for placement in the appropriate performance level.

Private Lesson Performance Studies Course Numbering System

The three-digit course number carries the following information: first digit (1—, 2—, etc.) = performance level; second digit =

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

Major area 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.

102, 104, 202, 204; 302, 304; 402, 404 Woodwind instruments private lessons.

112, 114; 212, 214; 312, 314; 412, 414; Brass instruments private lessons.

122, 124; 222, 224; 322, 324; 422, 424; Percussion instruments private lessons.

132, 134; 232, 234; 332, 334; 432, 434; Voice private lessons.

142, 144; 242, 244; 342, 344; 442, 444; Keyboard instruments private lessons.

152, 154; 252, 254; 352, 354; 452, 454; Fretted string instruments private lessons.

162, 164; 262, 264; 362, 364; 462, 464; Bowed string instruments private lessons.

Course numbers ending in 2: (0- 5-2) (FS)

Course numbers ending in 4: (0-1-4) (FS)

ME MUSIC, ENSEMBLE

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

ME 101, 301 University Singers (0-2-1) (FS). A general chorus open to all university students. No audition is necessary. Major choral works from all periods will be sung. Public performance(s) will be expected each semester. Maximum credits: ME 101, 301, 8 cr.

ME 105, 305 Meistersingers (0-5-1) (FS). Essentially a course in unaccompanied singing, open to all university students. The Meistersingers is the concert-touring choir of the University. Maximum credits: ME 105/305, 8 cr. Prerequisite: Enrollment is by audition and Music Department approval.

ME 110, 310 Vocal Ensemble (0-2-1) (FS). Designed to promote participation in and repertoire knowledge of small vocal ensembles. Literature includes music of all periods. Public performances given each semester. Maximum credits: ME 110 and/or ME 310, 8 cr. Prerequisite: PERM/INST.

ME 120, 320 Band (0-5-1) (FS). An elective open to all students who can play a band instrument. Maximum credits: ME 120, and/or ME 320, 8 cr.

ME 125, 325 Brass Ensemble (0-2-1) (FS). 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: PERM/INST.

ME 126, 326 Jazz Ensemble (0-3-1) (FS). A course designed to promote playing repertoire of large jazz ensembles. Includes performance of dixieland, be-bop, swing, rock and contemporary jazz. Class rehearsals include study of rhythm problems, notation, improvisation, ear training and chord construction in jazz. Public performance each semester. Maximum credits: ME 126 and/or ME 326: 8 cr. Prerequisite: PERM/INST.

ME 130, 330 Woodwind Ensemble (0-2-1) (FS). 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.

ME 140, 340 Percussion Ensemble (0-2-1) (FS). A course designed to promote playing in and repertoire knowledge of percussion ensembles. A public performance is required each semester. Maximum credits: ME 140 and/or ME 340, 8 cr. Prerequisite: PERM/INST.

ME 141, 341 Keyboard Percussion Ensemble (0-2-1) (FS). In conjunction with the preparation of music for public performance, students will acquire a first-hand knowledge of phrasing, mallet selection and application, general ensemble techniques, musical style and interpretation, and repertoire. Students will also be encouraged to compose original music and/or arrange or adapt existing music for the ensemble.

ME 150, 350 Orchestra (0-5-1) (FS). The Boise State University Symphony is composed of students and experienced musicians and prepares several concerts each season from the standard repertoire. An elective for non-music majors. Audition is required of new students. Maximum credits: ME 150 and/or ME 350, 8 cr.

ME 160, 360 String Ensemble (0-2-1) (FS). A course designed to promote playing in and increasing repertoire knowledge for small string ensembles. A public performance is required each semester. Maximum credits: ME 160 and/or ME 360, 8 cr. Prerequisite: PERM/INST.

ME 167, 367 Guitar Ensemble (0-2-1) (FS). A course designed to promote playing in and repertoire knowledge of ensembles of or including guitar(s). Maximum credits: ME 167 and/or ME 367, 8 cr. Prerequisite: PERM/INST.

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

ME 185, 385 Duo-Piano Ensemble (0-2-1) (FS). A basic survey of duo-piano literature from the Baroque to the present. Students will learn how to cope with ensemble problems in rehearsal and performance. Class sessions will consist of performance, listening and discussion. A public performance will be presented. Maximum credits: ME 185 and/or ME 385, 8 cr. Prerequisite: PERM/INST.

MU MUSIC, GENERAL

LOWER DIVISION

MU 101 Music Fundamentals (2-0-2). 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.

MU 103 Elements of Music (2-0-2) (S). Intended primarily for music majors, this course is open to anyone interested in acquiring knowledge in or upgrading their understanding of fundamental structures of music notation, scales, intervals, rhythmic patterns, etc. The course is designed for students aspiring to be music majors but lacking the necessary fundamentals background.

MU 119 Materials of Music (4-0-4) (F). Music fundamentals review: notation, intervals, scales and modes, triads, key signatures, etc. Melody, cadences. Emphasis is on aural and visual recognition, analysis and compositional skills involving the above. Prerequisite: piano proficiency to play simple melodies and harmonies, or concurrent enrollment in piano study, or PERM/INST.

MU 120 Materials of Music II (4-0-4) (S). 4-voice textures (linear & vertical); homophony; diatonic chords and harmonic relationships; cadences; inversions; dominant sevenths; secondary dominants; cursory survey of binary; ternary and through-composed forms; aural and visual analysis; compositional skills; Prerequisite: MU 119 or equivalent and piano as per MU 119.

MU 121-122 Ear Training I-II (0-2-1) (F-S). Designed to correlate with Materials I and II. Emphasizes aural training in scales, intervals and rhythms. Includes drill in solfeggio and sight singing leading to aural recognition of 3 and 4 part harmonic structures. Prerequisite: Previous or concurrent enrollment in MU 119 and 120.

MU 133 Introduction to Music (3-0-3) (AREA I). An elective course open to all students and fashioned to familiarize the listener with a variety of musical expression. Emphasis is upon the enjoyment of music through the understanding of recorded and live performances. Attendance at six live concerts/recitals required.

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

MU 213 Functional Piano (2-0-2) (F/S). Building of basic keyboard skills needed for music education majors in areas of sight reading, transposition, harmonization, improvisation, and repertoire materials; piano music and 2-4 line scores will be used. May be repeated once for credit; Prerequisite: Mu 120 and one year of piano study.

MU 219 Materials of Music III (3-0-3) (F). Continuation of 4-part textures. Diatonic sevenths; introduction to altered chords, augmented sixth and neapolitan chords; cantus firmus techniques; remote modulations; compositional skills involving the above. Prerequisite: MU 120 or equivalent and piano per MU 119.

MU 220 Materials of Music IV (3-0-3) (S). Includes introduction 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 and piano per MU 119.

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

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

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

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

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

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

UPPER DIVISION

MU 313-314 Keyboard Harmony and Basic Improvisation (2-0-2) (F/S). Keyboard application of basic harmonic principles: playing and harmonizing figured and unfigured basses and melodies, modulation, transposition, accompanying familiar tunes, beginning improvisation. Offered alternate years, beginning fall semester, even numbered years. Prerequisite: MU 120, 122 and 1-2 years piano study.

MU 341 History and Literature of Music I (3-0-3) (F/S). The analysis of the development of Western music from its beginnings in early Christian times through the early 1600s. Consideration of music from these periods as artistic entities, their relationships to their

contemporary societies, and as foundations for subsequent expression. MU 119 and 120 or PERM/INST.

MU 342 History and Literature of Music II (3-0-3) (F/S). Encompasses the period from the Florentine Camerata through the high Baroque, the Rococo, and pre-classic composers. Attention to the evolution of musical forms through score reading, analysis, and discussion. Prerequisite: MU 119 and 120, or PERM/INST.

MU 343 History and Literature of Music III (3-0-3) (F/S). Works of Haydn, Mozart, and their contemporaries through the Romantic period to Liszt, Wagner, and Puccini will be considered and analyzed as vehicles of individual expression and as steps to greater varieties of musical expression. Their relationship to works in parallel movements in literature and other arts will be considered. Prerequisite: MU 119 and 120 or PERM/INST.

MU344 History and Literature of Music IV (3-0-3) (F/S). Analysis of styles and characteristics of Western music from the last decades of the previous century to today's avant garde and electronic music. Prerequisite: MU 119 and 120 or PERM/INST.

MU 345 Opera Theatre (0-5-1). A course in the study and production of operas. May be repeated for up to 8 credits. Prerequisite: PERM/INST.

MU 365 Choral Conducting (0-2-1) (F). A course designed to deal with the problems and techniques of choral conducting. Students will work with ensemble groups as laboratories for conducting experience.

MU 366 Instrumental Conducting (0-2-1) (S). A course designed to deal with the problems of instrumental conducting. Includes baton technique and score reading. Students will work with ensembles as laboratories for conducting experience. Prerequisite: MU 261.

MU 368 Percussion Techniques and Methods (1-2-2) (S). Primarily for music education majors, this course deals with methods and materials of teaching the various percussion instruments in the public schools, while providing the student with basic performing techniques.

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

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

MU 371 Music Methods for the Elementary School Teacher (2-0-2). Materials, methods and problems relating to classroom music in grades K through six. Prerequisite: Music Fundamentals MU 101 or equivalent.

MU 372 Teaching Music in the Elementary Classroom (2-1-2) (F). For music majors. Includes special methods, materials and teaching techniques for the elementary classroom music program. Prerequisite: MU 271.

MU 385 Choral Methods and Materials (1-2-2) (S). Designed for music education majors who will be teaching vocal groups in junior and/or senior high schools. A practical workshop in selection and conducting of choral materials, rehearsal techniques, use of small ensembles, planning and organization of vocal groups.

MU 387 Band and Orchestra Methods and Materials (1-2-2) (F). The study of the organization and administration of bands and orchestras at the secondary school level; including equipment purchasing, budgets, public relations, planning, rehearsal techniques, scheduling, programming, and emergency repairs of instruments.

MU 410 Advanced Form and Analysis (3-0-3) (S). Analysis of harmonic and formal structures of the larger binary and ternary forms: the sonata, the symphony, the concerto, Baroque forms. Prerequisite: MU 220 or PERM/INST.

MU 423g Sixteenth Century Counterpoint (3-0-3) (F). Study of 16th century compositional techniques. Compositions will be written in 2 to 4 voices, 5 species, C clefs and Latin texts. Analysis/listening of music of the period. Additional compositions and/or research for graduate credit. Prerequisite: MU 220 or equivalent. Odd numbered years.

MU 424g Counterpoint Since 1600 (3-0-3) (F). Study and writing in contrapuntal styles from Baroque Period to present day. Invertible counterpoint, canon, fugue, invention, analysis of procedures in representative works. Additional compositions and/or research for graduate credit. Prerequisite: MU 220 or equivalent. Even numbered years.

MU 455 Band Arranging (2-0-2) (F). Required of majors in music education and in theory and composition. A study of scoring and notation for brasswind, woodwind and percussion instruments and their textures in various combinations. Prerequisite: MU 220.

MU 457 Major Instrument Literature (Piano, Voice, Guitar) (2-0-2) (F/S). A survey course to acquaint the student with the important literature from all periods for piano, voice or guitar. Section 1 piano literature. Section 2 guitar literature. Section 3 vocal literature. Prerequisite: Upper Division standing in performance.

MU 463 Major Instrument Pedagogy (Piano, Voice, Guitar) I (2-0-2) (F). A survey and comparative study of pedagogical materials, principals and procedures. The course will consist of reading, lecture, listening and observation in teaching studios. Prerequisite: Upper Division standing in performance. Alternate years with MU 457.

MU 464 Major Instrument Pedagogy (Piano, Voice, Guitar) II (2-0-2) (S). Practical application of pedagogical methods and procedures through supervised studio teaching. Further reading, lecture, listening and discussion involving pedagogical techniques. Prerequisite: MU 463 Pedagogy I. Alternate years with MU 457.

MU 498 Music Seminar (2-0-2) (F/S). A seminar project under faculty direction. Prerequisite: Senior standing.

DEPARTMENT OF PHYSICS ENGINEERING AND PHYSICAL SCIENCE

Science-Education Bldg., Rm. 318

Science Bldg., Rm. 212-L

Phone 208/385/3775

Chairman and Professor of Physics: Gary R. Newby; Professors: Allen, Campbell, Dahm, Luke; Associate Professors: Hahn, Parks, Reimann, Smith; Assistant Professor: Gabert.

PRE-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 four years and the following program is designed to do this along with two 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 four and one-half, five years or more to earn the degree. Therefore, a convenient option based on three years at BSU followed by one and one-half years at the University of Idaho is available and students may consult an Engineering advisor about this program. The five-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 the 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 Geometry M 204-205	5	4
Engineering Fundamentals EN 107-108	2	2
Digital Computer Programming EN 104	2	—
Physics PH 220	—	3
Physical Education	1	1
	17	16

COMMON SOPHOMORE YEAR:

Physics II, 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, 223	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 317. 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 318 2

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.

CONSTRUCTION MANAGEMENT

Bachelor of Science Degree

The intent of this program is to provide training in Mathematics, Science and Engineering so the construction manager can relate intelligently to engineers and architects involved in building projects.

No more than 42 hours may be taken from School of Business courses.

I. Liberal Arts Option

1. General University and BA Degree Requirements
(See pages 29, 30) 21**

2. Major Requirements 107

A. Construction Management 18

Construction Equipment &

Materials CO 320 3

Contracts, Plans &

Specifications CO 346 3

Electrical & Mechanical

Installations CO 350 3

Cost Estimating and Bidding CO 370 3

Construction Operation CO 374 3

Project Scheduling & Control 417 3

B. Engineering, Physics and Math 33

Technical Drawing EN 101 2

Digital Computer Programming EN 104 2

Intro to Mechanics EN 205 3

Basic Surveying EN 215 2

Mech. of Materials EN 206 3

Physics I - Mechanics PH 220 3

Physics III - Electricity &

Magnetism PH 222 3

Electricity & Magnetism Lab PH 224 1

Algebra & Trigonometry M 111 5

Calculus & Anal. Geometry M 204 5

Calculus M 205 4

C. Business 42

*Principles of Economics EC 201 3

*Principles of Economics EC 202 3

Intro to Financial Accounting AC 205 3

Intro to Managerial Accounting AC 206 3

Cost Accounting AC 351 3

Business Law I GB 202 3

Stat. Tech. for Dec. Making I GB 207 3

Business Policies GB 3

Principles of Management MG 301 3

Labor Law MG 330 3

Labor Relations MG 340 3

Human Resource Management MG 401 3

Principles of Finance FI 303 3

Basic Marketing Management MK 301 3

D. Electives 11

E. *State and Local Government PO 102 3

*Satisfies Area II Requirement.

**Nine hours in Major Requirements (*) also satisfy the General Requirements bringing the total General Requirement hours to 30.

Suggested Program

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Algebra & Trigonometry M 111	5	—
Calculus & Anal. Geometry M 204	—	5
Technical Drawing EN 101	2	—
State & Local Government PO 102	3	—
Elective, Area I	3	3
Digital Computer Programming EN 104	—	2
Elective, Area II	—	3
	16	16
SOPHOMORE YEAR:		
Calculus & Anal. Geometry M 205	4	—
Physics I - Mechanics PH 220	3	—
Principles of Economics EC 201	3	—
Intro to Financial Accounting AC 205	3	—
Business Law I GB 202	3	—
Intro to Mechanics EN 205	—	3
Electives, Area I	—	3
Principles of Economics EC 202	—	3
Intro to Managerial Accounting AC 206	—	3
Stat. Tech. of Decision Making GB 207	—	3
	16	15
JUNIOR YEAR:		
Basic Surveying EN 215	2	—
Contracts, Plans, Specifications CO 346	3	—
Cost Accounting AC 351	3	—
Principles of Management MG 301	3	—
Physics III - Electricity & Magnetism PH 222	3	—
Electricity & Magnetism Lab PH 224	1	—
Mech. of Materials EN 306	—	3
Cost Est. & Bidding CO 370	—	3
Principles of Finance FI 303	—	3
Electives	—	4
Labor Law MG 330	3	—
Electives, Area I	—	3
	18	16
SENIOR YEAR:		
Basic Marketing Management MK 301	—	3
Construction Operation CO 374	3	—
Construction Equipment & Materials CO 320	3	—
Human Resource Management MG 401	3	—
Labor Relations MG 340	3	—
Electives	4	3
Project Sched. & Const. CO 417	—	3
Elect. & Mech. Installation CO 350	—	3
Business Policies GB 450	—	3
	16	15

Suggested Electives: Physical Geology GO 101; Engineering Geology GO 403; College Chemistry and Laboratory C 131-132.

PHYSICS
(Bachelor of Science)
(Secondary Option)

The scope of the program is 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.

PHYSICS MAJOR

I. Liberal Arts Option	
1. General University and BA Degree Requirements (see Pages 29, 30)	30
2. Major Requirements	98
A. Physics	46
Physics I-II, 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
Optics PH 331	4
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	4
Numerical Analysis M 340	4
D. Chemistry	9
E. Recommended Electives	8

*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.

PHYSICS
Bachelor of Science Degree
(Suggested Program)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
College Chemistry C131,132,133,134	4	5
Calculus & Anal. Geometry M 204,205	5	4
Digital Computer Programming EN 104	—	2
Physics PH 220	—	3
Area I or II Requirements	3	—
	15	17
SOPHOMORE YEAR:		
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 Requirements	3	3
Area I or II Requirement	—	3
	16	18
JUNIOR YEAR:		
Modern Physics PH 311, 312	3	3
Electronics Lab PH 301	3	—
Transducers PH 304	—	2
Lab Microprocessor Applications PH 307	—	3
Thermodynamics EN 320	3	—
Optics PH 331	4	—
Numerical Analysis M 340	—	4
Area I or II Requirements	3	3
	16	15
SENIOR YEAR:		
Electricity & Magnetism PH 381,382	3	3
Mechanics PH 341	4	—
Senior Lab PH 481	3	—
Advanced Topics PH 422	—	3
Electives	3	5
Area I or II Requirement	3	3
Physics Seminar PH 499	—	1
	16	15
II. Secondary Option		
1. General University Requirements	30	
2. Major Requirements	78	
A. Physics	38	
Physics I-III PH 220,221,222	9	

SCHOOL OF ARTS & SCIENCES

Physics Lab I,II PH 223,224 2
 Intro to Descriptive Astronomy PH 105 4
 Biophysics PH 207 4
 Modern Physics PH 311-312 6
 Optics PH 331 4
 Electronics Lab PH 301 3
 Senior Lab PH 481 3
 Independent Study on Modern Ideas
 on Learning 3
 B. Engineering 5
 Computer Programming EN 104 2
 Thermodynamics EN 320 3
 C. Math 17
 Calculus Sequence M 204,205,206 13
 Engineering Math M 321 4
 D. Chemistry C 131,132,133,134 9
 E. Recommended Electives 9
 3. Education Requirements 20
 Foundations of Education Educational Psychology
 Secondary School Methods Education Electives
 Secondary School Teaching

COURSE OFFERINGS

CO CONSTRUCTION MANAGEMENT

UPPER DIVISION

- CO 320 Construction Equipment and Materials (3-0-3) (F). 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.
- CO 346 Contracts, Plans and Specifications (3-0-3) (F). Contract documents, specifications for construction, study of plan systems, construction methods, architect-contractor functions and related legal problems. Prerequisite: EN 101 and GB 202.
- CO 350 Electrical and Mechanical Installations (3-0-3) (S). Fundamentals of electrical systems, light and power requirements, plumbing and sanitation, heating and air-conditioning, application of building codes.
- CO 370 Cost Estimating and Bidding (3-0-3) (S). Extracting quantities from drawings, compiling and pricing estimates, preparation of bids. Prerequisite: CO 346.
- CO 374 Construction Operation (3-0-3) (F). Contractor organization and project supervision, building materials, equipment, methods of construction, construction safety. Prerequisite: GB 207 and MG 330.
- CO 417 Project Scheduling and Control (3-0-3) (S). Critical path method (CPM) as a construction planning, scheduling and management technique. Prerequisite: EN 104 and CO 374.

COURSE OFFERINGS

EN ENGINEERING

LOWER DIVISION

- EN 100 Energy for Society (3-2-4) (F) (AREA III). A general interest course having no prerequisite. A basic understanding of energy and how it has been put to use is developed to promote a better understanding of our present technological society with its energy, environmental, social, and political problems. Alternative as well as conventional energy solutions will be studied.
- EN 101 Technical Drawing (2-2-2). A basic course in technical drawing covering lettering, the use of drawing instruments, geometry, orthographic projections, sectioning, dimensioning, pictorial drawing and other drafting problems.
- EN 104 (M 124) Digital Computer Programming (2-0-2). Course for engineering, science, or math majors to introduce FORTRAN and BASIC programming principles and logic including input-output, flow charting, handling arrays and subprograms, all applied to problem solving. Should have Mathematics background equal to or exceeding one of prerequisites. Prerequisite: M 106,111,115
- EN 107 Engineering Fundamentals (3-0-3) (FS). An introduction to engineering including subdivisions and organization of the profession, methods of analysis and computation, and the design process. Prerequisite: M 111 or equivalent math ability.
- EN 108 Engineering Fundamentals (1-3-2) (FS). Engineering graphical analysis and graphic transmission of information.
- EN 205 Introduction to Mechanics (3-0-3). Covers basic statics including equilibrium, static friction, centroids, moment of inertia plus dynamics by particle motion analysis. Kinetics of particles including concepts of force, mass, acceleration, work, and energy, impulse and momentum. Prerequisite: PH 220; corequisite: M 205.
- EN 206 Dynamics of Rigid Bodies (2-0-2) (S). Analysis of forces and the resulting motion as pertains to rigid bodies undergoing rotary and general plane motion. Prerequisite: EN 205.
- EN 215 Basic Surveying (1-3-2) (F). 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. Prerequisite: M 111 or equivalent.
- EN 216 Engineering Measurements (1-3-2) (S). Advanced topics in surveying plus theory and practice relating to types of errors, distribution of errors and precision in measurement. Prerequisite: EN 215.

- EN 221 Systems and Circuits (3-0-3) (F). The fundamental course in electrical engineering which provides an introduction to electrical circuits and basic network analysis. Topics covered are simple resistive, capacitive and inductive circuits, network theorems and circuit analysis methods. Prerequisite: M 204.
- EN 223 Systems and Circuits II (3-3-4) (S). A continuation of EN 221 extending into second order circuits, the use of phasors, AC steady-state analysis and frequency-domain analysis. Transform methods of circuit analysis are introduced. Prerequisite: EN 221.
- EN 225 (M 225) Intermediate Applied Programming (2-0-2) (F). An intermediate course stressing the algorithmic techniques of problem solving using the computer. Stress will be on languages and programming topics useful in the solution of science and engineering problems. Concentrates on FORTRAN, but will use other programming languages. Prerequisite: EN 104 (M 124). Credit cannot be obtained from both EN 225 and M 225.

UPPER DIVISION

- EN 301 Fluid Mechanics (3-0-3) (S). Physical properties of fluids: fluid mechanics and measurements; viscous and turbulent flow, momentum, lift, drag, and boundary layer effects; flow in pipes and open channels. Prerequisite: M 206 and EN 205.
- EN 306 Mechanics of Materials (3-0-3) (S). Elasticity, strength, and modes of failure and engineering materials, theory of stress and strains for columns, beams and shafts. Prerequisite: EN 205 and M 206.
- EN 320 Thermodynamics and Heat Transfer (3-0-3) (F). First and second laws of thermodynamics, thermodynamic processes; thermodynamic properties of fluids; flow processes; heat to work conversion; refrigeration, conduction and radiation. Prerequisite: M 206 and PH 221.
- EN 382 Engineering Economy (2-0-2) (S). Economic analysis and comparison of engineering alternatives by annual-cost, present-worth, capitalized cost, and rate-of-return methods; income tax considerations. Prerequisite: Junior standing.

COURSE OFFERINGS

PS PHYSICAL SCIENCE

LOWER DIVISION

- PS 100 Foundations of Physical Science (3-2-4) (F/S) (Area III). 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.

GRADUATE

- PS 501 Basic Physical Science for Elementary Teachers (3-0-3). An introduction to the basic ideas of Physical Science including matter, energy, motion, electricity, magnetism, wave motion, sound, light, heat, atomic and nuclear physics, and astronomy. Elementary concepts will be discussed and demonstrated with emphasis on methods that can be used with elementary school students. Offered when there is sufficient demand.

COURSE OFFERINGS

PH PHYSICS

LOWER DIVISION

- PH 100 A Cultural Approach to Physics (3-3-4). Designed for liberal arts students. Students should gain an appreciation for the basic ideas in physics and how these ideas have contributed to the development of western culture by their influence on philosophy, religion and technology.
- PH 101-102 General Physics (3-3-4) (F-S) (Area III). Mechanics, sound, heat, light, magnetism, and electricity. This course satisfies the science requirement for the bachelor of arts and bachelor of science curricula, and may be taken by forestry, pre-dental and pre-medical students. Prerequisite: Algebra and Trigonometry.
- PH 103 Radiological Physics (2-0-2) (F). An introduction to electrical, atomic, and nuclear physics is presented with a review of fundamental physical science included.
- PH 104 Radiological Physics (2-2-3) (S). An application of electrical, atomic and nuclear physics to image intensification, fluoroscopy, cine-radiography, video tape systems, stereoradiography, body section radiography, therapeutic radiology and nuclear medicine. Prerequisite: PH 103.
- PH 105 Introduction to Descriptive Astronomy (3-2-4) (F/S) (Area III). A study of galaxies, stars and planets and their physical relationships, beginning with our own solar system and moving outward. Several scheduled evening viewing sessions and planetarium visits are required. A one-semester course for non-Science majors.
- PH 109 (M 109) Introduction to Computers (3-2-4). The potential and limitations of computers, and their impact on society. The course includes an introduction to computer hardware and programming. Designed for non-Science majors.
- PH 207 Introduction to Biophysics (3-3-4) (S). A course relating physical principles to biological applications. Lectures stress concepts of atomic physics, basic electricity, energetics, heat and optics. The variety of instruments normally found in biological laboratories are used in lab to study biological systems. Prerequisite: M 111 or 115
- PH 220 Physics I — Mechanics (3-1-3) (F/S) (AREA III). Kinematics, dynamics of particles, statics, momentum, work, energy, rotational motion and vibratory motion. Prerequisite: M 204. Must be concurrently taking or have taken M 205.
- PH 221 Physics II — Wave Motion and Heat (3-1-3) (F/S) (AREA III). Wave motion on strings, acoustical phenomena, geometrical optics, optical instruments, interference, diffraction, polarization, heat and the First and Second Laws of Thermodynamics. Prerequisite: PH 220. Must be taken concurrently with PH 223.
- PH 222 Physics III — Electricity and Magnetism (3-1-3) (F/S) (AREA III). Coulomb's Law, electric fields, electric potential, magnetic fields, magnetic induction and simple circuits. Prerequisite: PH 220. Must be taken concurrently with PH 224.

PH 223 Wave Motion and Heat Lab (0-3-1) (F/S) (AREA III). A lab designed to be taken concurrently with PH 221. Basic experiments in mechanics, wave motion, sound, optics and heat. Prerequisite: PH 220 and concurrent enrollment in PH 221.

PH 224 (EN 224) Electricity and Magnetism Lab (0-3-1) (F/S) (AREA III). A lab designed to be taken concurrently with PH 222. Basic experiments in electricity, simple circuit analysis and instrumentation. Prerequisite: PH 220 and concurrent enrollment in PH 222.

PH 301 Electronics Lab (1-6-3) (F). An introduction to some of the more common discrete semiconductor devices and analog integrated circuits and their uses in electronic circuits. Included are devices such as diodes, silicon control rectifiers, bipolar transistors, field effect transistors, operational amplifiers and their use in rectifier, amplifier and waveform circuits. Prerequisite: PH 224, EN 223.

PH 304 Transducers (1-3-2) (S). An introduction to some common devices used to convert energy forms into electrical signals. Included are photomultiplier tubes, photoconductive cells, photodiodes, phototransistors, linear variable differential transformers, thermocouples, thermistors, piezoelectric and piezoresistive elements. Signal conditioning for these devices will be covered. Prerequisite: PH 301.

PH 307 Laboratory Microprocessor Applications (2-3-3) (F/S). A lecture/laboratory course designed to provide the student with the necessary skills to utilize a preassembled microprocessor system for data acquisition and control. Prerequisite: PH 222 or EN 223 or PERM/INST.

PH 311-312 Modern Physics (3-0-3) (F-S). A brief introduction to the special relativity, basic ideas and methods of elementary quantum mechanics with applications to atomic, molecular, nuclear, solid state physics and statistical mechanics. Prerequisite: PH 221, 222, M 321.

PH 331 Optics (3-3-4) (F). 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. Prerequisite: PH 221 and 222.

PH 341 Mechanics (4-0-4) (F). 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. Prerequisite: M 321 and PH 220.

PH 381-382 Electricity and Magnetism (3-0-3) (F-S). Electrostatic fields, potentials, Gauss' law, solutions of Laplace's equation, electrostatics of conductors and dielectric materials, magnetic materials, vector potentials, Maxwell's equations, and electromagnetic radiation. Prerequisite: PH 221, 222, M 321.

PH 422 Advanced Topics (3-0-3). Selected topics from the major fields of physics such as astrophysics, nuclear, solid state, solar applications, biophysics, medical physics. Prerequisite: Upper Division standing and PERM/INST and possible specific courses depending on topic. Offered on demand.

PH 481 Senior Lab (1-6-3) (F). A senior laboratory course designed to acquaint the student with concepts of modern physics, laboratory techniques and measurements. Prerequisite: PH 312.

PH 482 Senior Project (0-6-2) (S). Elective. A sophisticated laboratory project in some area of physics. Prerequisite: PH 481.

PH 499 Physics Seminar (1-0-1) (S). Individual reports on selected topics. Prerequisite: Senior status.

DEPARTMENT OF POLITICAL SCIENCE AND PHILOSOPHY

Political Science Center Phone 208/385-1458

Chairman and Professor: Dr. Willard M. Overgaard; *Professors:* Skillern, Donoghue; *Associate Professors:* Brinton, Raymond, Schoedinger; *Assistant Professors:* Harbison, Kinney, Moncrief, Peterson (Emeritus); *Instructors:* Kuykendall, Mabbutt.

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 government 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 University offerings in the classical discipline of Philosophy are provided through the Department of Political Science.

A Master of Public Administration Degree program is also offered through the Department of Political Science.

POLITICAL SCIENCE MAJOR Bachelor of Arts Degree

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:

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

*The Seminar is not applicable to public administration area of emphasis, but is strongly recommended. At least 3 credits in Western Political Theory PO 441, 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 University and Core Requirements
 - B. Political Science Major Requirements
 1. Lower Division Courses

American National Government PO 101	3
Contemporary Political Ideologies PO 141	3
Comparative European Government and Politics PO 229	3
International Relations PO 231	3
 2. Upper Division Courses

Parties, Electoral Process and Interest Groups PO 301	3
Constitutional Law PO 351	3
American Political Theory PO 331	3
Western Political Theory I PO 441	3
Western Political Theory II PO 442	3
Comparative Legal Systems PO 451	3
Senior Seminar (Scope and Methods of Political Science) PO 498	3
Political Science Electives	12
- II. Political Science — American Governmental Systems and Processes Emphasis
This area of emphasis is offered to students who wish to concentrate their attention on national, state, and local political institutions of the United States. The course requirements and electives in this area of emphasis seek to provide the student with an understanding of American government.
 - A. General University and Core Requirements

SCHOOL OF ARTS & SCIENCES

B. Political Science Major Requirements 45

1. Lower Division Courses 18

American National Government PO 101 3

State and Local Government PO 102 3

Contemporary Political Ideologies PO 141 3

Public Opinion & Voting Behavior PO 221 3

Comparative European Governments and Politics PO 229 3

International Relations PO 231 3

2. Upper Division Courses 27

American Parties and Interest Group Politics PO 301 3

Intro to Public Administration PO 303 3

Legislative Behavior PO 312 3

American Political Theory PO 331 3

Constitutional Law PO 351 3

Senior Seminar (Scope and Method of Political Science) PO 498 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 University and Core Requirements 45

B. Political Science Major Requirements 45

1. Lower Division Courses 12

American National Government PO 101 3

Contemporary Political Ideologies PO 141 3

Comparative European Government and Politics PO 229 3

International Relations PO 231 3

2. Upper Division Courses 33

Comparative Foreign Policy PO 311 3

Comparative Communist Party State Systems PO 324 3

Comparative Governments and Politics of the Developing Nations PO 333 3

United States Foreign Policy PO 335 3

International Law PO 421 3

International Organization PO 422 3

Comparative Legal Systems PO 451 3

Senior Seminar (Scope and Methods of Political Science) PO 498 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, and Public Administration and Communication. 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 Communication.

A. General University and Core Requirements 45

B. Political Science Major Requirements 45

1. Lower Division Courses 15

American National Government PO 101 3

State and Local Government PO 102 3

Contemporary Political Ideologies PO 141 3

Comparative European Government and Politics PO 229 3

International Relations PO 231 3

2. Upper Division Courses 30

Intro to Public Administration PO 303 3

Public Finance PO 310 3

American Policy Processes PO 320 3

Comparative Public Administration PO 465 3

Administrative Law PO 467 3

Intergovernmental Relations PO 469 3

Organization Theory and Bureaucratic Structure PO 487 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 2 additional fields of study or teaching minors of 15 credits, each chosen from other Social Science fields. Also SS 450, Teaching Social Studies in the Secondary School, is required for all students with Social Science Secondary Education Option; certification requirement of 6 hours of U.S. History is applicable.

30 Credit Hour Program — 24 Credit Hours Required Courses:

American National Government PO 101 3

State and Local Government PO 102 3

Contemporary Political Ideologies PO 141 3

International Relations PO 231 3

Comparative European Government and Politics PO 229 3

Parties, Electoral Process and Interest Groups PO 301 or Introduction to Public Administration PO 303 or Legislative Behavior PO 312 or American Policy Process PO 320 3

American Political Theory PO 331 or Western Political Theory I PO 441 or Western Political Theory II PO 442 3

Constitutional Law PO 351 3

Political Science Electives-Upper Division 6

30

15 Credit Hour Emphasis — 12 Credit Hours Required Courses:

American National Government PO 101 3

Contemporary Political Ideologies PO 141 3

Comparative European Government and Politics PO 229 or International Relations 3

Parties, Electoral Process and Interest Groups PO 301 or Introduction to Public Administration PO 303 or American Policy Process PO 320 or Constitutional Law PO 351 3

Upper Division Electives 3

15

18 Credit Hour Emphasis (General) — 12 Credit Hours Required Courses (available to Secondary Education students who want a minor emphasis in Political Science but are not part of the 30-15-15 program).

American National Government PO 101 3

Contemporary Political Ideologies PO 141 3

Comparative European Government and Politics PO 229 3

International Relations PO 231 3

Upper Division Electives 6

18

COURSE OFFERINGS

PO POLITICAL SCIENCE

LOWER DIVISION

PO 101 American National Government (3-0-3) (F/S) (Area II). Institutions and processes of American political system, emphasizing social, ideological, and constitutional background.

PO 102 Local Government (3-0-3) (F/S). Institutions and processes of state and local government, with emphasis on constitutionalism, legislatures, governors and reapportionment.

PO 141 Contemporary Political Ideologies (3-0-3) (F/S) (Area II). Principal ideas characterizing liberalism, communism, fascism, and nazism.

PO 221 Public Opinion and Voting Behavior (3-0-3) (S). Development of public opinion and voting behavior. Empirical research from variety of fields for understanding and analysis of factors that mold popular attitudes and political behavior. Prerequisite: PO 101 or 102.

PO 229 Comparative European Governments and Politics (3-0-3) (F/S). Political systems of selected European nation-states, including Great Britain, France, German Federal Republic, Italy, and Scandinavian states. Analysis of patterns of political culture, political interests, political power, and selected public policy issues. Prerequisite: PO 101 or PERM/INST.

PO 231 International Relations (3-0-3) (F/S) (Area II). Nature of relations among nations with particular reference to contemporary international issues. Analysis of motivating factors, including nationalism, imperialism, communism. Study of national sovereignty and its relation to international cooperation. Prerequisite: PO 101.

UPPER DIVISION

PO 301 Parties, Electoral Process, and Interest Groups (3-0-3) (F). Development of understanding of nature, functions, organization, and activities of political parties and interest groups within American political system. Emphasis on performance of America's two major political parties, especially in nominations and elections, and on organization and lobbying activities of major interest groups. Prerequisite: PO 101 or 102.

PO 303 Introduction to Public Administration (3-0-3) (F/S). Theory, administrative organization, functions and problems of governmental units. Prerequisite: PO 101.

PO 310 Public Finance (3-0-3) (S). Fiscal aspects of planning and control of governmental units. Principles of taxation and other revenues, government indebtedness, and policy-making. (Interdepartmental course with department of economics) Prerequisite: EC 201, 202.

PO 311 Comparative Foreign Policy (3-0-3) (F). Political institutions, concepts, values, and methods of international politics relevant to practice of nation-states; examination of foreign policies and objectives of world's major powers; analysis of contemporary international problems; consideration of theories of international politics. Prerequisite: PO 101 or 231.

PO 312 Legislative Behavior (3-0-3) (S). Analysis of behavior of American state and national legislatures. Special consideration given to impact of constituencies, parties, interest groups, interpersonal relations, and other factors on legislators; role of the legislature in American political system.

PO 320 American Policy Process (3-0-3) (F/S). Process through which policy is determined, implemented and adjusted, with emphasis on role of administrators. Prerequisite: PO 303. Alternate years.

PO 324 Comparative Communist Party-State Systems (3-0-3) (F). Political systems of the Soviet Union, Eastern Europe, People's Republic of China, and other communist party-states. Selected topics and problems relating to political institutions and political processes to define patterns of political relationships. Questions of political theory and political determinants in development of communist party-states. Prerequisite: PO 101. Alternate years.

PO 331 American Political Theory (3-0-3) (F). Genesis and development of political thought in the United States from colonial period to present.

PO 333 Comparative Governments and Politics of Developing Nations (3-0-3) (F/S). Political systems of selected nations in developing areas of the world, including nation-states in Africa, Asia, and Latin America. Patterns and problems of political development and modernization in the nations will be analyzed. Prerequisite: PO 101. Alternate years.

PO 335 United States Foreign Policy (3-0-3) (F/S). Development of diplomacy from foundation of the republic to the present with emphasis on emergence and continuance of United States as a world power; impact of domestic developments on formulation of foreign policies. Alternate years.

PO 351 Constitutional Law (3-0-3) (S). Case study of constitutional system and its concepts as revealed in judicial decisions. Prerequisite: PO 101.

PO 421 International Law (3-0-3) (F). 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, 231. Alternate years.

PO 422 International Organization (3-0-3) (F/S). Historical background, the league; basic problems of international entities; the United Nations. Prerequisite: PO 101, 231. Alternate years.

PO 441 Part I Western Political Theory (3-0-3) (F). Development of political philosophy from Socrates to Machiavelli. Alternate years.

PO 442 Part II Western Political Theory (3-0-3) (S). Development of political thought since Machiavelli. Prerequisite: PO 441. Alternate years.

PO 451 Comparative Legal Systems (3-0-3) (S). Principal legal systems of the world, with emphasis on ideological foundations, organization, procedures, methods of growth, relationship to political and economic systems, and basic juristic concepts. Prerequisite: PO 101, 141, 229. Alternate years.

PO 465G Comparative Public Administration (3-0-3) (F/S). Systematic examination and comparison of varied models and theories of administrative systems. International and international studies. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation. Prerequisite: PO 303.

PO 467G Administrative Law (3-0-3) (F/S). Sources of power and duties of administrative agencies, rules and regulations made by agencies through investigation and hearings, judicial decisions and precedents relating to administrative activities. Students enrolling in this course for graduate level credit will be assigned special requirements on preparation. Prerequisite: PO 303.

PO 469G Intergovernmental Relations (3-0-3) (F/S). Interunit cooperation and conflict in the American federal system, including state-local relationships and metropolitan dispersal and integration. Students enrolling in this course for graduate level credit will

be assigned special requirements on preparation. Prerequisite: PO 101, 102, 303.

PO 487G Organizational Theory and Bureaucratic Structures (3-0-3) (F/S). Sociopolitical analysis of theories and concepts of complex social organizations, their application to public administration and the inter-relationship between political science and sociological organizational theory. Students enrolling in this course for graduate-level credit will be assigned special requirements on preparation.

PO 493 Internship (Variable credit). Upper division students may arrange through the department for an internship program. The legislative internship is a part of this program, and application for it should be made in early October.

PO 498 Senior Seminar (Scope and Methods of Political Science) (3-0-3) (F). Examination of discipline of political science, its central problems and unifying concerns; techniques of scientific political investigation as they relate to improved research methods. Required of all political science majors.

COURSE OFFERINGS

PY PHILOSOPHY

LOWER DIVISION

PY 101 Introduction to Philosophy (3-0-3) (F/S) (Area I). General background in various areas of the discipline. Specific philosophical problems examined, based on solutions by various philosophers in western culture. Areas examined include metaphysics, ethics, and epistemology.

PY 121 Introduction to Logic (3-0-3) (F) (Area I). Science of valid reasoning, including logical rules of inference, methods of argumentation, logical problem-solving and nature of logical fallacies.

PY 211 Ethics (3-0-3) (S). Problems of normative ethics and metaethics. Normative ethics concerns norms and guidelines of moral behavior. Metaethics concerns the nature of ethical statements; naturalism, intuitionism and emotivism.

PY 231 Philosophy of Religion (3-0-3) (F/S). Various arguments for existence of God. Various conceptions of the nature of God. Problem of evil and problem of free will.

PY 245 Metaphysics (3-0-3) (F). Examination of (a) problem of free will versus determinism, (b) nature of causation, (c) problem of personal identity, and (d) ontology. Prerequisite: PY 101.

PY 247 Epistemology (3-0-3) (S). Theory of knowledge, including (a) examination of relationships and difference between knowledge and belief, (b) evaluation of theories of perception, and (c) theories of truth. Prerequisite: PY 101.

PY 249 Ancient Philosophy (3-0-3) (F). Selected works of Plato and Aristotle. Prerequisite: PY 101.

PY 251 Medieval Philosophy (3-0-3) (S). Works of St. Anselm, Duns Scotus, St. Thomas Aquinas, Abelard, William of Ockham and other contributors to intellectual thought during the Middle Ages. Prerequisite: PY 101.

UPPER DIVISION

PY 303 The Age of Absolutism and Reason (Philosophy) (3-0-3) (F/S). European thought in the seventeenth and eighteenth centuries. Ideas of the philosophers and the crisis of the old regime leading to revolutions. May be taken for History credit or for Philosophy credit, but not for both. Prerequisite: PY 101. Alternate years.

PY 334 Phenomenology and Existentialism (3-0-3) (F). Exploration of 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 existential question, "who am I," and the phenomenological question, "what is my relationship to the external world." Prerequisite: PY 101.

PY 404 Symbolic Logic (3-0-3) (S). Translation of natural language statements into symbolic form for the purpose of ridding them of ambiguity and of making deductions through rules of propositional calculus. Prerequisite: PY 121.

PY 406 Philosophy of Science (3-0-3) (F). Examination of 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 121.

DEPARTMENT OF
SOCIAL WORK

Education Bldg., Rm. 713

Phone 208/385-1568

Chairman and Associate Professor: Doug Yunker; *Associate Professors:* Huff, Oliver, Panitch; *Assistant Professor:* Johnson.

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

Social Work offers an opportunity for a personally rewarding professional career to those who care deeply about the well-being of others. Social workers give direct services to individuals, families, groups and communities. Qualified licensed social workers are in demand in every area of professional practice.

Social Work is usually practiced in social welfare agencies and in Social Work departments at host settings. Social workers are needed to work with mentally ill, emotionally disturbed, delinquent, mentally retarded, physically ill, handicapped, economically, and socially deprived children and adults. Social workers are

SCHOOL OF ARTS & SCIENCES

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.

**SOCIAL WORK MAJOR
Bachelor of Arts Degree**

I. General University and Major Requirements	128
A. Lower Division Courses	60
English Composition E 101, 102	6
Literature	6
Humanities	6
History	6
Concepts of Biology B 100	4
Lab Science and/or Math	8
Communication	3
Economics	3
Intro to Sociology SO 101	3
Social Problems SO 102	3
General Psychology P 101	3
State and Local Government PO 102	3
Intro to Social Work SW 101	3
Elementary Social Work Processes SW 201	3
B. Upper Division Courses	42
Social Welfare Policy SW 301	3
Human Behavior in the Social Environment SW 321	3
Social Work Statistics and Research Methods SW 380	3
Social Work Methods — Casework SW 385	3
Social Work Methods — Community Organization SW 430	3
Social Work Methods — Groupwork SW 435	3
Psychology Electives	9
Field Work SW 480, 481	10
General Electives	3
Senior Seminar SW 498, 499	2
C. General Electives — Lower, Upper Division	26
Recommended Electives: AN 102, 307, CM 351, 361, EC 210, 219, P 301, 311, 312, 341, 351, 353, 301, 312, 320, PY 101, 121, 211, 231, S 101, 102, SO 311, 325, 351, 361, 402, 415, 417.	

**Bachelor of Arts Degree
(Suggested Program)**

FRESHMAN YEAR:

	1ST SEM.	2ND SEM.
English Composition E 101-102	3	3
Concepts of Biology B 100	4	—
Science/Mathematics	—	4
History	3	—
State and Local Government PO 102	3	—
Introduction to Sociology SO 101	—	3
Introduction to Social Work SW 101	3	—
General Psychology P 101	—	3
Communication	—	3
	16	16

SOPHOMORE YEAR:

Literature	3	3
Humanities	3	3
Science/Math	4	—
Economics	3	—
Social Problems SO 102	3	—
Elementary Social Work Processes SW 201	—	3

History	—	3
Electives	—	3
	16	15

JUNIOR YEAR:

Social Work Statistics and Research Methods SW 380	—	3
Social Welfare Policy SW 301	3	—
Human Behavior in The Social Environment SW 321	3	—
Social Work Methods-Casework SW 385	—	3
Psychology Electives	3	6
Upper Division Electives	3	—
Lower or Upper Division Electives	3	6
	15	18

SENIOR YEAR:

Field Work SW 480, 481	5	5
Senior Seminar SW 498, 499	1	1
Social Work Methods-Groupwork SW 435	3	—
Social Work Methods-Community Organization SW 430	3	—
Lower or Upper Division Electives	3	11
	15	17

COURSE OFFERINGS

SW SOCIAL WORK

LOWER DIVISION

SW 101 Introduction to Social Work (3-0-3). Survey of the historical development and contemporary practice of social work; values, knowledge base, skills, the underlying philosophy and the need for social services in society. Social work functions and career opportunities are delineated. Required.

SW 201 Elementary Social Work Processes (3-0-3). Communication skills, interviewing techniques, and problem solving processes specific to practice. Community social services are reviewed and three clock hours of service per week required in agency to facilitate the integration of values, knowledge and skills. Prerequisite: SW 101.

SW 301 Social Welfare Policy (3-0-3). Social welfare as an institution and social work as a profession as mechanisms to deal with the problems of social change and the effects of life in a modern industrial society. How social and individual needs have been dealt with in past and present, the ideological base for understanding the interface between policies and social welfare. Prerequisite: SW 201.

SW 321 Human Behavior in the Social Environment (3-0-3). Human systems framework, age-related stages of development with special attention to life crises related to each stage, identifying developmental tasks with which social work interventions are especially concerned. Develops key concepts in understanding feminist, racial, ethnic and alternate life styles. Prerequisite: SW 201, SO 101 and P 101.

SW 380 Social Work Statistics and Research Methods (3-0-3) (S). An introduction to the scientific method and the basic elements of research methodology and statistics. The focus will be on the use of research in Social Work and the manner in which research intertwines with other Social Work methods. Prerequisite: SW 301, 321.

SW 385 Social Work Methods — Casework (3-0-3). An examination of skills employed to serve individuals and families; communication skills, problem solving process and case recording. Prerequisite: SW 301, 321.

SW 430 Social Work Methods — Community Organization (3-0-3). A study of community structure, organization and attitudes. Techniques for understanding communities, methods of working in communities. Prerequisite: SW 301, 321.

SW 435 Social Work Methods — Groupwork (3-0-3). Dynamics of group behavior, understanding group interaction and the processes of working with groups. Prerequisite: SW 301, 321.

SW 480 Field Work I (0-16-5). Sixteen clock hours per week, the student works as a practicing social worker under the supervision of a professionally trained and experienced social worker. All juniors must apply for admission into the field work program prior to the beginning of their second semester. Prerequisite: SW 301, 321, 380, may take SW 385 prior to or concurrent with SW 480; must have PERM/INST; contingent upon GPA 2.5 overall and 3.0 in Social Work courses.

SW 481 Field Work II (0-16-5). Continuation of Field Work I. Prerequisite: SW 385, 480 and PERM/INST.

SW 498 Senior Level Seminar (1-0-1). Facilitates and encourages the student's development as an entry level practitioner through the synthesis of social work theory, practice and values. Must be taken concurrently with SW 480.

SW 499 Senior Level Seminar (1-0-1). Continuation of SW 498. Must be taken concurrently with SW 481.

DEPARTMENT OF SOCIOLOGY, ANTHROPOLOGY AND CRIMINAL JUSTICE ADMINISTRATION

Library Bldg., Rm. 218

Phone 208/385-3406

Chairman and Professor: Dr. Max G. Pavesic; *Professors:* Dorman, Harvey, Pavesic, Scheffer; *Associate Professors:* Baker, Christensen, Hopfenbeck, Marsh; *Assistant Professors:* Corbin, Cox, Hall; *Visiting Professor:* Ames.

The Department of Sociology, Anthropology and Criminal Justice Administration is responsible for the following six degree programs:

ASSOCIATE DEGREE
Criminal Justice Administration
Social Science (Penitentiary only)

BACHELOR DEGREE
Anthropology
Criminal Justice Administration
Social Science
Sociology
Sociology-Social Science Secondary Education Option
Multi-Ethnic Studies

In addition, the Department is responsible for both an Anthropology and a Sociology "Social Science Curriculum Minor" as part of the Social Science Secondary Education degree; for a "Minor" in Multi-Ethnic Studies; and for "Minor Certification Endorsement" in Anthropology and in Sociology for teachers.

ANTHROPOLOGY Bachelor of Arts Program

- I. Liberal Arts Option
 - A. General College and Basic Core Requirements
 - B. Anthropology Requirements 33
 1. Lower Division Courses 9
 - Physical Anthropology AN 101 3
 - Cultural Anthropology AN 102 3
 - Intro to Archaeology AN 103 3
 2. Upper Division Courses 6
 - History of Anthropology AN 401 3
 - Elementary Social Statistics SO 310
or equivalent 3
 3. Other Upper Division Courses 18
 - Select 6 credits from each of the following groups of courses:
 - Group I Courses 6
 - Anthropology of Education AN 409 3
 - Human Variation AN 325 3
 - Applied Anthropology AN 430 3
 - Socio-Cultural Electives 3
 - Group II Courses 6
 - Indians of North America AN 307 3
 - Indian Peoples of Idaho AN 315 3
 - Peoples & Cultures of the
World AN 311 3
 - Ethnography Electives 3
 - Group III Courses 6
 - Old World Prehistory AN 303 3
 - Archaeology on North America AN 312 3
 - Method & Theory in Archaeology AN 421 3
 - Archaeology of Latin America AN 318 3

- II. Anthropology — Social Science Secondary Education Options
Each academic discipline in the Social Sciences (History, Political Science, Sociology, Anthropology 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 2 additional fields of study of 15 credits each chosen from the other Social Science fields.
 - A. Anthropology Courses 33
Required courses are the same as for the major except SO 310 is not required
 - B. Secondary Education Requirements 25-30
Refer to Teacher Education Department
 - C. State Department of Education Certification Requirements, Social Studies 9
 - U.S. History 6
 - Federal Government 3
 - D. In addition to the above required "C" at least 15 credits of which 9 credits must be Upper Division courses offered by any 2 of the following academic disciplines:

Economics	History
Political Science	Sociology
- III. Anthropology Minor Option
 1. Liberal Arts Minor
Completion of the following courses 21
 - Physical Anthropology AN 101 3
 - Cultural Anthropology AN 102 3
 - Intro to Archaeology AN 103 3
 - Peoples & Culture of the World AN 311 3
 - Upper Division Anthropology Electives 9
 2. Anthropology Education Minor Option 15
Required Courses:
 - Physical Anthropology AN 101 3
 - Cultural Anthropology AN 102 3
 - Upper Division Anthropology Electives 9
 - Intro to Archaeology AN 103 is strongly recommended

CRIMINAL JUSTICE ADMINISTRATION Bachelor of Arts Degree Bachelor of Science Degree

The Bachelor of Arts/Science degree in Criminal Justice Administration offers a choice of four professional areas of emphasis: Law Enforcement, Courts/Law, Corrections/Counseling and Planning/Administration.

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

CORE COURSES:		Credits
English Composition	E 101/E 102	6
Literature		3
Humanities (Area I)		9
Science or Mathematics (Area III)		12
History		3
Introduction of Financial Accounting	AC 205	3
Applied Business Communications	OA 238	3*
or		
Writing Laboratory		0*
General Psychology	P 101	3
American National Government	PO 101	3
State/Local Government	PO 102	3
Fundamentals of Speech Communication	CM 111	3
Introduction to Sociology	SO 101	3
Social Justice	CR 101	3
Introduction to Criminal Justice Administration	CR 201	3
Police in the Community	CR 215	3
Administration of Justice	CR 301	3
Criminal Law	CR 321	3
Contemporary Correctional Theory and Practice	CR 362	3
Senior Seminar in Criminal Justice	CR 498	3
Abnormal Psychology	P 301	3

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Juvenile Delinquency	SO 415	3
Criminology	SO 417	3
Independent Study in Criminal Justice	CR 496	3

*May be waived upon demonstration of competency. Contact Prof. Hopfenbeck

SPECIALTY AREA COURSES:

I. Law Enforcement			
Defensive Tactics	PE 192	1**	
Law of Criminal Evidence	CR 275	3	
Law of Arrest, Search & Seizure	CR 276	3	
Police Organization and Management	CR 351	3	
Introduction to Criminalistics	CR 380	3	
Criminal Justice Planning	CR 425	3	
Comparative Law Enforcement Administration	CR 451	3	
Field Practicum - Enforcement	CR 490	6	
Electives to total 128			16-19

**Must be completed prior to the senior year.

II. Courts/Law			
Law of Criminal Evidence	CR 275	3	
Law of Arrest, Search & Seizure	CR 276	3	
Judicial Administration and Court Management	CR 381	3	
Criminal Justice Planning	CR 425	3	
Comparative Law Enforcement Administration	CR 451	3	
Constitutional Law	PO 351	3	
Field Practicum - Courts/Law	CR 490	6	
Electives to total 128			17-20

III. Corrections/Counseling			
Corrections in the Community	CR 331	3	
Interviewing and Counseling in Criminal Justice	CR 340	4	
Advanced Interviewing and Counseling in Criminal Justice	CR 341	4	
Criminal Justice Research & Evaluation	CR 426	3	
Field Practicum - Corrections/ Counseling	CR 490	6	
Criminal Justice Elective		3	
Electives to total 128			18-21

IV. Planning/Administration			
Judicial Administration & Court Management	CR 381	3	
Criminal Justice Planning	CR 425	3	
Criminal Justice Research & Evaluation	CR 426	3	
Comparative Law Enforcement Administration	CR 451	3	
Criminal Justice Electives		6	
Field Practicum - Planning/ Administration	CR 490	6	
Electives to total 128			17-20

**Associate of Science Degree (Two-Year)
(Suggested Program)**

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Science or Mathematics	4	4
Social Justice CR 101	—	3
American National Government PO 102	3	—
Introduction to Sociology SO 101	3	—
Fundamentals of Speech Communications CM 111	—	3
State and Local Government PO 101	—	3
Intro to Criminal Justice Administration CR 201	3	—
Defensive Tactics PE 192	—	1
	16	17

SOPHOMORE YEAR:

Intro to Financial Accounting AC 205	3	—
Police in the Community CR 215	3	—
Law of Criminal Evidence CR 275	3	—
Humanities	3	3
History	3	—
General Psychology P 101	—	3
Law of Arrest, Search & Seizure CR 276	—	3
Criminal Investigation CR 231	—	3
**Applied Business Communications OA 238	—	3
Electives	1	—
	16	15

**May be waived upon showing of competency by written test. See Professor Hopfenbeck.

**SOCIAL SCIENCE
Bachelor of Arts Degree**

1. General University and Basic Core Requirements:	
2. Social Science Requirements:	
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— 12 credits in one field and 6 credits in 2 other fields)	24
Anthropology	
Economics	
History	
Political Science	
Sociology	
Psychology	

SOCIOLOGY

1. General University and Core requirements to meet either Bachelor of Arts or Bachelor of Science Program* as given on pages 29, 30. BA degree candidates are required to complete one year of a foreign language. Sociology courses may not be used to satisfy Area II requirements.	
2. At least 78 credit hours in fields other than Sociology to be selected by the student in consultation with the student's Sociology faculty advisor.	
3. At least 29 credit hours in Sociology including:	
Introduction to Sociology SO 101	3
Elementary Social Statistics SO 310	3
Social Research SO 311	3
History of Sociology SO 401	3
Current Sociological Perspectives SO 402	3
Sociology Seminar SO 498	2

*The following courses are strongly recommended: HY 102,103, History of Western Civilization; Mathematics, 8 hours; P 101, Introduction to Psychology.

**SOCIOLOGY—SOCIAL SCIENCE
Secondary Education Option**

The Social Science Secondary Education Option Degree programs are cooperative, interdisciplinary programs involving the disciplines of Economics, History, Political Science, Anthropology, and Sociology. Each discipline provides a major curriculum of not less than 30 credit hours. In addition, each of the previously listed departments, with the inclusion of Geography and Psychology, provide for a minor curriculum of not less than 15 credit hours with the addition of 6 hours of U.S. History, as a certification requirement. A student enrolled in a Social Science Secondary Education Option must include one major curriculum and two minor curriculum in the degree program. The student is assigned to the department with the major curriculum.

The 30 hour Social Science Curriculum Major in Sociology is the same as for the Bachelor's Degree in Sociology with the addition of one single credit hour of SO 496, Independent Study (arrangements for this need to be made through contact with individual Sociology professors).

ANTHROPOLOGY

Social Science Curriculum Minor

Required Courses AN 101,102,311	9
Anthropology Electives, Upper Division	6

SOCIOLOGY

Social Science Curriculum Minor

Required Course SO 101	3
Sociology Electives — Half must be Upper Division	12

Minor certification endorsements for teaching areas are listed in this Catalog on page 105 of the Department of Teacher Education Section within the School of Education Division.

MULTI-ETHNIC STUDIES

The Multi-Ethnic Studies program, which is open to all students, in an interdisciplinary area of emphasis, providing a BA degree. The program will help students provide themselves with an understanding of tradition, cultures, languages, problems, and perspectives.

The program is supervised by an interdisciplinary group of faculty and students. Prospective majors may contact Dr. John Jensen, Department of Teacher Education; Dr. P. K. Ourada, Department of History; A. R. Corbin, Department of Sociology, Anthropology and Criminal Justice Administration; or Mamie Oliver, Department of Social Work, to develop program of study.

BACHELOR OF ARTS DEGREE

1. General University Requirements	51
2. Ethnic Studies Requirements:	
A. Lower Division Courses	15
Introduction to Multi-Ethnic Studies SO 230	3
Cultural Anthropology AN 102	3
Ethnic Literature Courses	6
Minorities in U.S. History HY 261	3
B. Upper Division Courses	3
Racial and Cultural Minorities SO 305	3
C. Ethnic Courses Electives	30
(List of approved Course Offerings available from Program Supervisors)	
3. General Electives	29
	128

Multi-Ethnic Studies Minor

A. Requirements	9
Intro to Multi-Ethnic Studies SO 230	3
Minorities in U.S. History HY 261	3
Ethnic Literature Courses	3
B. Ethnic Courses Electives	12
(List of approved Course Offerings available from Program Supervisors)	
	21

COURSE OFFERINGS

AN ANTHROPOLOGY

LOWER DIVISION

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

AN 102 Cultural Anthropology (3-0-3) (Area II). The meaning of culture; its significance for human beings, similar and diverse forms and degrees of elaboration of culture in relation to technology, economic systems, social organization, values and beliefs.

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

UPPER DIVISION

AN 303 Old World Prehistory (3-0-3) (F/S). A survey of cultural evolution from the first known evidence of cultural behavior (ca. two million years ago) to the domestication of plants and animals, and the rise of civilization. Special emphasis is placed on the development of civilizations. Prerequisite: AN 101 or AN 103, Upper Division status, or PERM/INST.

AN 307 Indians of North America (3-0-3) (F/S). A general survey emphasizing the description and analysis of native cultures and the role of environment and historical factors in North America. Prerequisite: Upper Division status or PERM/INST.

AN 311 Peoples and Cultures of the World (3-0-3) (F/S). 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 102, Upper Division status or PERM/INST.

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

AN 315 Indian Peoples of Idaho (3-0-3) (F/S). A study of the prehistoric and recent cultures of the native peoples of Idaho. Topics will include the interpretation of ancient Idaho cultures, the distinctiveness of the recent tribal groupings and the relationship between past and present Idaho societies to those of the Great Basin, Interior Plateau and Northern Plains. Prerequisite: Upper Division status or PERM/INST.

AN 318 Archaeology of Latin America (3-0-3) (F/S). An investigation of the early inhabitants of Middle and South America with emphasis on cultural origins, migrations, and relationship to the habitat. Also considered will be the development of ancient civilizations of Mexico, Central America and the Andean Region of South America. Prerequisite: Upper Division status or PERM/INST.

AN 325 Human Variation (3-0-3) (F/S). An examination of the recent phases of human evolution with emphasis upon present patterns of variability. Evidence will be drawn from population genetics, behavioral genetics, biochemical analysis and comparative osteology. Prerequisite: AN 103, Upper Division status or PERM/INST.

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

AN 409 Anthropology of Education (3-0-3) (F/S). An examination of the cultural aspects of educational processes and institutions. The application of anthropological method and theory to the problems of formal and informal education in traditional and modern cultures. Prerequisite: AN 102, Upper Division status or PERM/INST.

AN 421 Theory and Method in Archaeology (3-0-3) (S). 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 103, Upper Division status or PERM/INST.

AN 430 Applied Anthropology (3-0-3) (F/S). Investigation of the ways in which Anthropology and anthropologists have assisted in cultural change processes. Both the positive and negative impact of cultural change will be examined. Also considered is the application of anthropological concepts in contemporary societies and institutions. Prerequisite: AN 102, Upper Division status or PERM/INST.

COURSE OFFERINGS

CR CRIMINAL JUSTICE ADMINISTRATION

LOWER DIVISION

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

CR 201 - Introduction to Criminal Justice Administration (3-0-3) (F). Philosophy, history, objectives and functions of the criminal justice system as a social institution. The relationship of this system to society; general overview of the administration of justice.

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

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

CR 276 Law of Arrest; Search and Seizure (3-0-3) (S). A highly concentrated study of the legalities and decision making processes associated with arrest, search and seizure in accordance with statutes, case law and Supreme Court decisions as they relate to constitutional protections. Prerequisite: CR 201

UPPER DIVISION

CR 301 Administration of Justice (3-0-3) (F). The administration of criminal justice from arrest to sentencing. Federal and state rules of criminal procedure and laws of evidence as they apply and affect constitutional due process. Prerequisite: CR 201.

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

CR 331 Corrections in the Community (3-0-3) (S). Development, organization, operation and results of post-conviction release programs. Traditional court and institutionally supervised probation and parole, work release, halfway houses, diversion, furlough concept and various community/social agency rehabilitative programs of both traditional and innovative nature. Prerequisite: CR 201 or SO 101.

CR 340 Interviewing and Counseling in Criminal Justice (3-2-4) (F). Theory and skills involved in effective communication, interviewing and counseling for criminal justice personnel. Basic communication skills and process of problem solving with criminal justice clients emphasized. Prerequisite: upper division CJA standing.

SCHOOL OF ARTS & SCIENCES

CR 341 Advanced Interviewing and Counseling in Criminal Justice (3-2-4) (S). Analysis of major theoretical counseling models. Development of advanced skills in interviewing and counseling strategies focusing on the unmotivated, involuntary client. Prerequisite: CR 340.

CR 351 Police Organization and Management (3-0-3) (F). Enforcement agency structure, management philosophies and operational functions and goals. The effect of changing societal values on agency effectiveness. Current and future problems facing local enforcement administrators. Prerequisite: CR 215.

CR 362 Contemporary Correctional Theory and Practice (3-0-3) (F) (Crosslist SO 362). The historical development, processes, and methods of operating the adult correctional system. Detailed study of the philosophy and development of treatment strategies in local, state and federal correctional institutions. Prerequisite: upper division CJA standing.

CR 380 Introduction to Criminalistics (3-0-3) (S). 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 with CR 451.

CR 381 Judicial Administration and Court Management (3-0-3) (S) (Even years). Study of practices and trends in court management and judicial administration: court personnel, selection, training and evaluation. Examination of modern technology in the management of judicial administration. Prerequisite: CR 301, upper division CJA standing.

CR 425 Criminal Justice Planning (3-0-3) (F). Study of planning concepts and models to provide the student with skills in criminal justice planning, policy analysis and planning a program evaluation. Use of planning and analytical tools to review current issues in the system. Prerequisite: Upper Division CJA standing.

CR 426 Criminal Justice Research and Evaluation (3-0-3). Basic aims, processes, and limitations of research in criminal justice. Introduction of social research methods and techniques for evaluating action programs in the criminal justice field. Prerequisite: CR 425, upper division CJA standing, or instructor permission.

CR 451 Comparative Law Enforcement Administration (3-0-3) (S). An analysis and comparison of law enforcement systems at the federal, state and local levels and international systems. Prerequisite: CR 201. Non-majors: PERM/INST. Alternate years with CR 380.

CR 490 Field Practicum (V-V-6). Student placement in selected criminal justice agencies with assigned duties of regular personnel. Relevant research project required. Weekly seminar meetings with instructor to review research and agency progress. Required of all BA/BS students without one year of full time criminal justice experience. Summer of junior year; fall/spring by special permission.

CR 498 Senior Seminar in Contemporary Criminal Justice Problems (3-0-3) (S). Exploration of current and anticipated critical issues and problems in the criminal justice system. Prerequisite: CR 201, senior CJA standing or instructor permission.

COURSE OFFERINGS

SO SOCIOLOGY

LOWER DIVISION

SO 101 Introduction to Sociology (3-0-3) (Area II). Groups, organizations and societies. The impact on human behavior. Emphasis is on sociological perspectives, concepts, methods, and applications in areas such as organization, socialization, inequality, institutions, intergroup relations, change, and others.

SO 102 Social Problems (3-0-3) (Area II). Problems that arise due to breakdown of norms and value consensus in society, the causes and solutions to these problems. The student is challenged to continually reexamine his/her own values in reference to the problems under consideration.

SO 230 Introduction to Multi-Ethnic Studies (3-0-3) (F/S) (Area II). This course views majority and minority relations and confronts, challenges and motivates students to know themselves better and understand some societal problems; viz, racism, prejudice, etc. The course deals with the degree to which ethnic relations involve questions of economic and political power and the distribution of the power. It looks at American society's institutional role in maintaining and perpetuating systematic inequality.

SO 250 Population (3-0-3) (F/S). How composition of and changes in population affect, and are influenced by, social conditions and human actions. Population problems and policies. Prerequisite: SO 101. Alternate years.

UPPER DIVISION

SO 305 Racial and Cultural Minorities (3-0-3) (F/S). Comparative study of inter-ethnic relations. Problems and possibilities of genocide, oppression, integration, pluralism and equality. Prerequisite: SO 101 or P 101 and Upper Division standing.

SO 310 Elementary Social Statistics (3-0-3) (F). 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.

SO 311 Social Research (3-0-3) (S). An introduction to the empirical basis of modern sociological methods of research, design and the statistical analysis of social data. Prerequisite: SO 101, 310 and Upper Division status.

SO 321 American Society (3-0-3) (F/S). Sociological views of the United States of America with emphasis on values, institutions, and people undergoing rapid change. Prerequisite: SO 101, Upper Division standing. Alternate years, 1981-82

SO 325 Sociology of Aging (3-0-3) (F/S). Analysis of aging as a social process emphasizing the changing roles as a result of the process; the demands made on and by society because of the way it defines and deals with age and the problems created for society and for the aged as a result of values, attitudes and beliefs. Prerequisite: SO 101 and Upper Division status.

SO 331 Deviant Behavior (3-0-3) (F/S). Analysis of groups who violate the norms of society, the causes of and solutions for these forms of behavior. The challenge for

students is to decide where the problem lies - with those labeled deviant or with those doing the labeling. Prerequisite: SO 101, Upper Division status.

SO 340 Sociology of the Family (3-0-3) (F/S). An analysis of courtship, marriage, kinship, and family patterns in the United States and selected societies. Theories and facts of the relationships of these patterns to the larger society. Prerequisite: SO 101.

SO 351 Social Institutions (3-0-3) (F). Comparative analysis of the ways societies organize behavior around those values deemed necessary for survival including family, religion, economy, government, etc. Prerequisite: SO 101 and Upper Division standing. Alternate years, 1981-82.

SO 361 Industrial Sociology (3-0-3) (F/S). The social organization of work is examined in historical and contemporary perspectives. Prerequisite: SO 101, Upper Division standing.

SO 362 Contemporary Correctional Theory and Practice (3-0-3) (F). Historical development, processes and methods of operating the adult correctional system. Philosophy and development of treatment strategies in local, state, and federal correctional institutions.

SO 401 History of Sociology (3-0-3) (F). Examination of the intellectual and social currents in Europe from about 1830 to 1900 during which time Sociology was initially recognized as a separate perspective within Social Science. Major insights of sociological writers of this period. Prerequisite: SO 101, Upper Division standing.

SO 402 Contemporary Sociological Theory (3-0-3) (S). Study and discussion of selected 20th century theories. Prerequisite: SO 101, Upper Division standing.

SO 403 Social Change (3-0-3) (F/S). Social factors which generate innovation, influence its acceptance or rejection, and determine its effects on society. Planning, collective behavior, diffusion, conflict and other efforts to create change. Prerequisite: SO 101, Upper Division standing. Alternate years 1981-82.

SO 407 Sociology of Religion (3-0-3) (F/S). Social science perspectives on religion. Religion viewed as human activity influencing and being influenced by social organization and social conditions. Alternate years, 1982-83.

SO 415 Juvenile Delinquency (3-0-3) (S). Social causes of juvenile delinquency. Solutions that are discussed arise from theories which suggest changing society more than the individual delinquent. Positive and negative activities of the juvenile justice system are also reviewed. Prerequisite: SO 101, Upper Division standing.

SO 417 Criminology (3-0-3) (F). Examines the social causes of criminal behavior, relevant research, treatment programs, and the criminal justice systems. The student is challenged to question who has wronged whom — the criminal or the system. Prerequisite: SO 101, Upper Division standing.

SO 421 Social Stratification (3-0-3) (F/S). How people are affected by social inequalities of wealth, prestige and power, in the home, the work place, the school and the community is documented. Analysis and discussion of the arguments for and against more equality will be directed towards helping each student determine what is right. Alternate years, 1982-83.

SO 424 Rural Sociology and the Emerging Nations (3-0-3) (F/S). The sociological study of rural life, the agrarian society and the phenomena of the emerging nations. Prerequisite: SO 101 and Upper Division status. Alternate years.

SO 425 The Urban Community (3-0-3) (F/S). An examination of the changing growth, demographic, stratification and institutional structure of urban communities, the cause of urbanization and its consequences for individual and group interaction. Prerequisite: SO 101 and Upper Division status. Alternate years.

SO 431 Social Psychology (3-0-3) (F/S). The influence of social and cultural factors on individual behavior, perception and attitudes, including the effects of groups on their members. This course may be taken for either Psychology or Sociology credit, but not for both. Prerequisite: SO 101, P 101 and Upper Division standing.

SO 487 Organizational Theory and Bureaucratic Structure (3-0-3) (F/S). An examination of complex formal organizations, bureaucracy and human interaction; theory, research and findings are covered. May be taken for Sociology or Political Science credit (PO 487), but not for both. Prerequisite: Upper Division standing, PERM/INST.

SO 498 Sociology Seminar (2-0-2) (S). Intensive study of selected problems in Sociology. Prerequisite: Senior standing in Sociology major.

COURSE OFFERINGS

SS SOCIAL SCIENCE

SS 450 Teaching Social Studies in the Secondary Schools (3-0-3) (F). A course designed to help produce effective teaching of Social Studies and Social Science classes in junior and senior high schools through an investigation of approaches to teaching key concepts and generalizations of the various disciplines, to research methodologies used, and to materials and curricula. Prerequisite: Upper Division standing.

DEPARTMENT OF THEATRE ARTS

Music/Drama Bldg., RM. 210

Phone 208/385-3957

Chairman and Professor: Frederick J. Norman; *Professors:* Lauterbach, Shankweiler; *Associate Professor:* Ericson; *Assistant Professors:* Buss, Heise.

THEATRE ARTS MAJOR Bachelor of Arts Degree

1. General University Requirements, except:
A. Theatre Symposium TA 010, required each semester of

every Theatre Arts major.

- B. Physical Education Courses (as recommended by Advisor, fencing, dance, gymnastics, etc.) 2
- C. Area I 12
 - Intro to Theatre and Art or Music Course 6
 - Dramatic Literature 3
 - Elective Literature Course 3
- D. Area II 12
 - History of Western Civilization 6
 - Elective 6
- E. The Department recommends that Theatre Arts Majors take one year of Foreign Language and LS 101 or 102.

MAJOR SUBJECT REQUIREMENTS

THEATRE:

- Introduction to Theatre TA 107 3
 - Technical Theatre TA 117-118 8
 - Acting (Lower Division) TA 215 3
 - Stage Voice TA 233 3
 - World Drama TA 341,342,343 6
 - Directing TA 401 3
 - Theatre History TA 421,422 6
 - Contemporary Drama TA 445 3
 - Major Production Participation (2 hours Lower, 2 hours Upper Division) TA 231,331 4
- 39

(Upper Division Courses—21)

SECONDARY EDUCATION

Department requirements for the Secondary Education Option are the same as regular Theatre major plus:
 Directing TA 402
 Shakespeare E 345 or 346 (substituted for Contemporary Drama TA 445)
 The student must also satisfy the requirements for teacher certification.

THEATRE ARTS MAJOR

Bachelor of Arts Degree

(Suggested Program — Departmental Requirements are indicated by asterisks)

THEATRE EMPHASIS:

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
*Physical Education	1	1
Laboratory Science	4	4
*Introduction to Theatre	3	—
*Technical Theatre	4	4
Art or Music	—	3
Intro to use of Books & Libraries	—	2
	15	17
SOPHOMORE YEAR:		
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:		
Foreign Language	4	4
*Stage Voice	3	—
*World Drama	3	3
Electives, Upper Division	6	8
	16	15
SENIOR YEAR:		
*Directing	3	3
*Theatre History	3	3
Electives, Upper Division	6	9
*Contemporary Drama	—	3
	12	18

SECONDARY EDUCATION EMPHASIS:

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
*Physical Education	1	1
Laboratory Science	4	—
*Introduction to Theatre	3	—
*Technical Theatre	4	4
Electives	—	7
	15	15
SOPHOMORE YEAR:		
Literature Elective	3	—
*Dramatic Literature	—	3
*Western Civilization	3	3
Laboratory Science	—	4
Social Science Elective	3	—
*Acting	3	—
Electives	4	6
	16	16
JUNIOR YEAR:		
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:		
*Directing	3	3
*Theatre History	3	3
Secondary School Methods	3	—
Education Electives	—	3
Student Teaching	9	—
Electives	—	6
	18	15

ENGLISH MINOR FOR THEATRE ARTS

- Secondary Education Option: See recommended minor listed in the BSU Catalog log under the English Department heading.
 - Liberal Arts Option (beyond E 101,102):
 - Lower Division Literature 9*
 - One of the following 3
 - Expository Composition E 201
 - Creative Writing, Poetry E 205
 - Creative Writing, Fiction E 206
 - Upper Division Electives other than English 6
 - Department Drama Courses 6
- 18

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

COURSES APPLYING TO BOTH DISCIPLINES

- Shakespeare: Tragedies and Histories E 345 3
 - Shakespeare: Comedies and Romances E 346 3
- 6
- Total in English Minor for Theatre Arts Major 24

COURSE OFFERINGS

TA THEATRE ARTS

LOWER DIVISION

- TA 010 Theatre Symposium** (no credit) (F/S). A forum for the presentation and discussion of appropriate theatre-related topics and activities. Class meets weekly. Required of all full time Theatre Arts majors each semester, but open to any person. Theatre Arts majors may miss no more than four sessions in one semester.
- TA 107 Introduction to Theatre** (3-0-3) (AREA I). A survey course designed to stimulate an appreciation of drama and allied arts forms, through the study of the history of theatre, dramatic literature and production techniques.
- TA 117-118 Technical Theatre** (3-4-4) (F/S). Provides the student with a practical knowledge and skill in the principles of the technical aspects of theatre; the mechanical characteristics of the stage and the elements used in productions, development of draf-

SCHOOL OF ARTS & SCIENCES

ting skills, problem solving in staging, and the rudiments of lighting and design. Three hours of lecture plus four hours of lab per week required.

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

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

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

TA 220 Cinema: History and Aesthetics (3-0-3). An examination of the beginnings and development of motion pictures with attention given to the qualities peculiar to cinema which give it validity as a unique art form.

TA 230 Television: History and Aesthetics (3-0-3) (S). 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.

TA 231, 331 Major Production Participation (2-0-1). Significant participation in a major college production in some phases of technical theatre or acting or management. One hour of credit allowed per semester, maximum 4 credit hours.

TA 232, 432 Repertory Theatre (3-0-3). 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: 6.

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

TA 281 Puppetry (3-0-3) (F/S). 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.

TA 287 Children's Theatre (3-0-3) (F). An examination of the literature, theory and history of theatre for children.

TA 288 Touring Children's Theatre (3-0-3) (S). A concentrated study of the theory and techniques of producing theatre for children. Specific emphasis on a single script selected for a touring production.

UPPER DIVISION

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

TA 341 World Drama 500 BC-1570 (3-0-3) (F). Study of outstanding selections of dramatic literature. The plays are studied from a theatrical point of view, i.e., they are approached as scripts intended for production as well as examples of literary form. Alternate years.

TA 342 World Drama 1570-1870 (3-0-3) (S). Same as TA 341, except that the period covered is from 1570 through 1870. Alternate years.

TA 343 World Drama 1870 to 1960 (3-0-3) (F). Same as TA 341, except that the period covered is from 1870 to 1960. Alternate years.

TA 351 Elements of Scenic Design (3-0-3) (F). Major skills of beginning design, included will be art techniques for the theatre, research in major periods of scenic design, examination of major designers' works, and practical experience in designing for all major types of stages. Prerequisite: TA 117-118.

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

362 Stage Lighting Design (3-0-3) (S). 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 years.

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

TA 421g-422g Theatre History (3-0-3) (F/S). Investigation of the periods of major importance in the development of theatre. The first semester will include the period from 800 BC through approximately 1550 AD; the second semester from the Elizabethan period through the end of the 19th century.

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

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

**EARTH SCIENCE EDUCATION MAJOR*
(Bachelor of Science Requirements)**

1. General College and Baccalaureate Degree Requirements. See pages 29, 30 for Graduation Requirements.
2. Major Requirements

	CREDITS
A. Geology	30
Physical Geology	4
Historical Geology	4
Introduction to Ocean Geology	3
Meteorology	3
Geology Seminar	1
Geomorphology	3
Geology electives to total 30 credits	
B. College Chemistry	9
C. General Physics or General Biology	8
D. Mathematics through M-204	10
E. Astronomy	4
F. Recommended Electives	6-8
Geography Communication	
Foreign Language Life Science	
Mathematics	

3. Education Requirements
- The following are required for Secondary Teaching Certification in Idaho:
- Foundations of Education
- Educational Psychology
- Secondary School Methods
- Secondary Student Teaching
- Education Electives

**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:

	1ST SEM.	2ND SEM.
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:

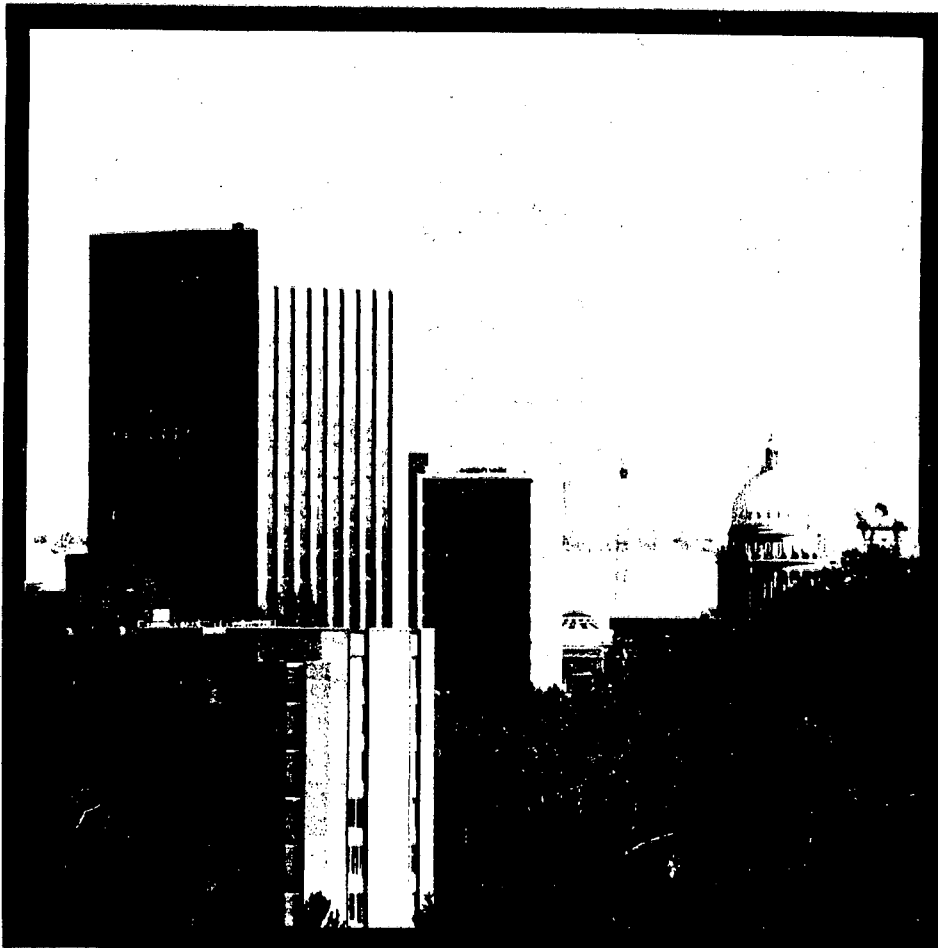
	1ST SEM.	2ND SEM.
Upper Division Geology	4	4
Degree Requirements	3	6
Upper Division Electives	7	6
Geomorphology	3	—
	17	16

SENIOR YEAR:

	1ST SEM.	2ND SEM.
Educational Psychology	—	3
Upper Division Geology	6	—
Seminar	1	—
Secondary School Methods	—	3
Student Teaching	—	3
Education Electives	3	—
Upper Division Electives	6	—
Audio Visual Aids	—	2
	16	14

*Refer to pages 50 and 51 for other programs of the Department of Geology and Geophysics.

PART V



SCHOOL OF BUSINESS

Dean: Thomas E. Stitzel, PhD
Associate Dean and Graduate Program
Coordinator: J. G. Doss, PhD

School of Business Emeriti:
Albertson, Bushby, Edlefson, Johnson, Roe, Tipton, Wilson.

OBJECTIVES

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 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 nonbusiness students to assist them in the assumption of their citizenship responsibilities and understanding of the free enterprise system;

- (4) Provide graduate courses leading to the MBA and MS Accounting degrees and others as developed to meet community needs;
- (5) Serve the nonstudent population of Idaho by offering management development programs and faculty expertise through applied research.

It is our belief that these objectives can be accomplished by quality classroom teaching, research, seminars, informal discussions and community service. The people we serve should benefit both personally and professionally through contact with the School of Business, whether it is for a lecture, a semester, or a degree.

SPECIAL REQUIREMENTS AND OPTIONS

The Bachelor of Business Administration degree is available by completing all requirements for that degree as listed on the following pages under the appropriate major. Additionally, School of Business students may qualify, at their option, for the BA or BS degree by completing the additional Liberal Arts or Science courses required for those degrees (see page 30 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,

SCHOOL OF BUSINESS

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 28 for available CLEP tests.

Two-year Programs. Specialized curricula in Mid-Management, Fashion Merchandising, Word Processing and Secretarial program areas are offered in addition to the Baccalaureate degree programs. Most students enrolled in such programs plan to leave college at the end of two years after earning a diploma or the AS degree. Credits earned in such courses may be later applied toward the Bachelor 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 degree.

Transfer of Credits. In general, the School of Business shall limit transfer of credits for Business courses which apply toward degree requirements to such courses as it offers at that level. In most cases, waiver of Upper Division level course requirements may be granted by departments which establish and administer tests to determine student competency in 200-300 level transfer courses before admission to Upper Division level courses.

Internships. Idaho companies and governmental institutions provide opportunities for students to develop business skills. Students accept responsibilities with company management and BSU School of Business faculty members. Academic credit along with financial compensation is possible.

BACHELOR DEGREE PROGRAMS

NOTE: The student will find under each major the particular course of study to follow. Where the term "General Electives" or "Area I, II, or III" appear, refer to the inclusive listing of courses in the areas in Part II. Graduation Requirements: See page 31 for BBA requirements, and page 30 for BA or BS requirements.

All School of Business Baccalaureate degree candidates are required to complete the following Lower Division courses prior to enrolling in Upper Division courses in the School of Business:

- Introduction to Financial Accounting AC 205
- Introduction to Managerial Accounting AC 206
- Introduction to Data Processing DP 210
- Principles of Economics-Macro EC 201
- Principles of Economics-Micro EC 202
- Business Law GB 202
- Statistical Techniques I GB 207
- Applied Business Communications OA 238
- Math for Business Decision M 105-106, or equivalent

All University students are cautioned that Upper Division standing is a prerequisite for enrollment in 300 and 400 level courses and that several of the Lower Division courses listed above are specific prerequisites for certain Upper Division courses in the School of Business.

School of Business Baccalaureate candidates are required to complete the following Upper Division courses prior to GB 450, Business Policies, which is also a required core course:

- Principles of Management MG 301
- Principles of Marketing MK 301
- Principles of Finance FI 303
- Principles of Production Management MG 345

The one exception to this requirement is in the BA in Economics program as described in the Catalog.

DEPARTMENT OF ACCOUNTING AND DATA PROCESSING

Business Bldg., Rm. 214

Phone 208/385-3461

Chairman and Associate Professor: Dr. Gordon Pirrong;
Professor: Merz; Associate Professors: Behling, Carson, Cox,
Hemingway, Jackson, MacMillan, Maxson, Medlin; Assistant

Professors: Boyll, Bradley, Millier; Special Lecturers: Ellis, Snodgrass.

ACCOUNTING MAJOR Bachelor of Business Administration Degree

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102.....	3	3
Mathematics M 105-106 or M 111-204	4	4
General Electives (Area I,II,III)	9	9
	16	16
SOPHOMORE YEAR:		
Intro to Financial Accounting AC 205	3	—
Intermediate Accounting I AC 207	—	3
Principles of Economics EC 201-202	3	3
Applied Bus. Comm. OA 238	3	—
Intro to Data Processing DP 210	—	3
Statistical Techniques I GB 207	3	—
Business Law GB 202	—	3
General Electives (Areas I,II,III)	4	4
	16	16
JUNIOR YEAR:		
Intermediate Accounting II,III AC 304-306....	3	3
Cost Accounting AC 351	3	—
Managerial Accounting AC 352	—	3
Intermediate Microeconomics EC 303	—	3
Income Tax AC 401	—	3
Business Law II GB 302	—	3
Principles of Marketing MK 301	3	—
Principles of Finance FI 303	3	—
Principles of Management MG 301	3	—
	15	15
SENIOR YEAR:		
Advanced Accounting AC 470	3	—
Auditing AC 405	3	—
Upper Division Econ Elective	—	3
Human Resource Management MG 401	3	—
Business Policies GB 450	—	3
Prin. of Prod. Management MG 345	3	—
General Electives	5	11
	17	17

In addition to general University requirements, the following courses are required for an Accounting major:

Business Courses: MK 301, GB 202-302, FI 303, EC 303, OA 238, MG 301, 401, plus either EC 301 or 305.

Accounting Courses: AC 205, 207, 304, 306, 351, 352, 401 (or 320), 405, 470.

Core Courses: The following courses (or permission of the instructor) are prerequisites for all Upper Division Accounting courses: AC 205, 207, E 101, 102, EC 201, 202, GB 207, DP 210, plus M106 or 112.

NOTE: Students planning to sit for the uniform CPA examination are strongly advised to include AC 402, 482, and DP 420 in their program.

INFORMATION SCIENCES MAJOR Bachelor of Business Administration Degree

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102.....	3	3
Mathematics M 105-106 or M 111-204	4	4
Intro to Fin. Accounting AC 205	3	—
Intermediate Accounting I AC 207	—	3
General Electives (Area I,II or III)	6	6
	16	16
SOPHOMORE YEAR:		
Prin. of Economics (Area II) EC 201-202	3	3
Intermediate Accounting II AC 304	3	—
Intro to Data Processing DP 210	3	—
Data Processing Techniques DP 320	—	3

Statistical Techniques I GB 207	3	—
Applied Bus. Communications OA 238	—	3
Business Law I GB 202	—	3
General Electives (Area I,II or III)	4	4
	<u>16</u>	<u>16</u>

JUNIOR YEAR:

Cost Accounting AC 351	3	—
Managerial Accounting AC 352	—	3
Statistical Techniques II GB 208	3	—
Principles of Management MG 301	—	3
Principles of Finance FI 303	—	3
Programming Systems — COBOL DP 360	—	3
Principles of Marketing MK 301	3	—
General Electives (Area I,II or III)	6	3
	<u>15</u>	<u>15</u>

SENIOR YEAR:

Intermediate Microeconomics EC 303	3	—
Human Resource Management MG 401	—	3
Data Processing Applications DP 405	3	—
Quantitative Analysis for Business		
Decisions GB 366	—	3
Systems Analysis DP 420	—	3
Business Policies GB 450	—	3
Economics Elective (Upper Division)	3	—
Prin. of Prod. Management MG 345	3	—
*Electives	2	5
General Electives (Area I,II or III)	3	—
	<u>17</u>	<u>17</u>

*Suggested Electives for Information Sciences Major: M 226, Assembler Language Programming; EC 405, Business Cycles; FI 325, Financial Management; MG 305, Personnel Management; AC 360, Government Accounting; AC 405, Auditing.

COURSE OFFERINGS

LOWER DIVISION

AC 205 Introduction to Financial Accounting (3-0-3). Introduction to contemporary Financial Accounting in the business world. The emphasis is on obtaining an understanding of how financial statements are prepared and used. Includes the basic terminology, a theoretical framework and the double entry accounting system.

AC 206 Introduction to Managerial Accounting (3-0-3). Introduction to contemporary Managerial Accounting for nonaccounting majors. Study of manufacturing-accounting is emphasized. Introduction to the analysis of financial information with tools such as capital budgeting, inventory measurement and control, and the impact of taxes on decision making. Not acceptable for degree credit by Accounting majors. Prerequisite: AC 205.

AC 207 Intermediate Accounting I (3-0-3). Review of basic accounting principles, followed by problems of valuation and presentation of assets, liabilities and proprietorship items. Analytical accounting procedures and preparation of work sheets, financial statements, and development of special reports. Prerequisite: AC 205.

UPPER DIVISION

AC 304 Intermediate Accounting II (3-0-3). Continuation of AC 207. Special valuation problems for financial reporting. Measurement of net income and developing comprehensive financial statements of corporations. Prerequisite: AC 207.

AC 306 Intermediate Accounting III (3-0-3). Continuation of AC 304. Special reporting problems of public corporations. Study of authoritative pronouncements on financial accounting procedures. Prerequisite: AC 304.

AC 320 Tax Factors in Business Decisions (3-0-3). Introduction to the impact of federal income taxes on business operating and financing decisions. Degree credit not allowed for both AC 320 and AC 401. Offered when possible. Prerequisite: AC 205.

AC 351 Cost Accounting (3-0-3) (FS). Theory of cost accounting and 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: AC 205.

AC 352 Managerial Accounting (3-0-3) (FS). Development and use of accounting information in management planning, control, and decision processes. Topics include operations and capital budgeting, computer applications, and analytical methods such as gross profit, breakeven, and incremental cost analysis. Prerequisite: AC 351

AC 360 Governmental Accounting (3-0-3). A study of the accounting principles applicable to institutions, nonprofit agencies, governmental units, and political subdivisions. The supporting theory, procedures, legal reporting requirements, programmed budgeting, and cost-benefit analyses are considered. Offered when possible. Prerequisite: AC 306.

AC 401 Principles of Income Taxation (3-0-3) (F). Theory and application of federal income taxes to individuals, including an introduction to F.I.C.A., unemployment taxes, and state income taxes. Degree credit not allowed for both AC 320 and AC 401. Prerequisite: AC 306.

AC 402 Advanced Income Taxation (3-0-3) (S). Theory and application of the federal income tax to corporations organized for profits, and an introduction to partnership, trust and estate and gift taxation. Prerequisite: AC 306, AC 401.

AC 405 Auditing (3-0-3) (FS). Study of the scope and purpose of the accountant as an independent auditor. Topics include: professional ethics; legal responsibilities; role of the SEC; approach to an audit; and accumulation of the evidence upon which the auditor bases his report. Prerequisite: AC 306.

AC 420 Systems Analysis and Design (3-0-3). 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. Credit may not be earned for both DP 420 and AC 420. Offered when possible. Prerequisite: AC 205.

AC 440G Accounting Theory (3-0-3) (F). 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: AC 306.

AC 450 Data Processing For the Accountant (3-0-3). A study of available accounting software, the auditing of electronic systems, and the statistical analysis of accounting data. The computer is used as the problem solving tool. Offered when possible. Prerequisite: AC 405.

AC 470 Advanced Accounting (3-0-3) (FS). Study of partnership organization, liquidation and dissolution; business combinations and consolidated financial statements; segmental reporting; international accounting standards; fiduciary accounting and an introduction to non-profit reporting.

AC 482 CPA Problems (6-0-6) (S). In depth consideration of the more complex accounting principles and procedures taught on the undergraduate level. Designed to assist the student in preparing for the certified public accountant examination. Prerequisite: AC 405, AC 470.

COURSE OFFERINGS

DP DATA PROCESSING

LOWER DIVISION

DP 210 Introduction to Data Processing (3-0-3). Fundamentals of automated data processing. Topics include 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.

UPPER DIVISION

DP 320 Data Processing Techniques (3-0-3) (FS). Introduction to computer programming in a high level language, and a review of programming systems currently in use, including productivity systems, organization systems, and techniques systems. Program flow-charting, development, and implementation to solve common business problems is emphasized.

DP 345 Simulation Techniques (3-0-3) (F). Basic concepts in simulation including inventory systems, scheduling systems, and simulation of decision-making by individuals and group organizations. Models of varying degrees of sophistication are considered and implemented in FORTRAN IV and other available simulation languages. Prerequisite: DP 320, M 106.

DP 360 Programming Systems—Cobol (3-0-3) (FS). 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.

DP 405 Data Processing Applications (3-0-3) (F). Study of business computer applications and the function of data processing in the business enterprise, including 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.

DP 420 Systems Analysis and Design (3-0-3) (S). 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. Credit may not be earned for both DP 420 and AC 420. Offered when possible. Prerequisite: DP 210, AC 205.

**DEPARTMENT OF
BUSINESS
EDUCATION
AND OFFICE
ADMINISTRATION**

Business Bldg., Rm. 213

Phone 208/385-3452

Chairman and Professor: Dr. Marvin A. Clark; Professors: Brender, Cornwell, Manship; Associate Professors: Bounds, Williamson; Assistant Professors: Butler, Carlton, Warberg.

SCHOOL OF BUSINESS

BUSINESS EDUCATION MAJOR

Basic Business Option

Bachelor of Business Administration Degree

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Applied Business Communications OA 238	3	—
*Int. or Adv. Typewriting OA 107 or 209	—	2
General Psychology (Area II) P 101	—	3
Business Math/Machines OA 115	3	—
Mathematics (Area III) M 105-106	4	4
Electives (Area I)	3	3
	<u>16</u>	<u>15</u>

SOPHOMORE YEAR:		
Intro Financial Accounting AC 205	3	—
Intro Managerial Accounting AC 206	—	3
Prin. of Economics (Area II) EC 201-202	3	3
Elective (Area III)	—	4
Foundations of Education TE 201	—	3
Statistical Techniques I GB 207	3	—
Elective	3	—
Business Law I GB 202	—	3
Intro to Data Processing DP 210	3	—
	<u>15</u>	<u>16</u>

JUNIOR YEAR:		
Prin. of Income Taxation AC 401	—	3
Principles of Marketing MK 301	3	—
Secondary School Methods TE 381	—	3
Principles of Management MG 301	3	—
Money and Banking EC 301	3	—
Principles of Finance FI 303	3	—
Technical Writing for Business OA 338	—	3
Reading in the Content Subjects TE 307	3	—
Administrative Office Procedures OA 310	—	3
Office Management OA 317	—	3
Prin. of Prod. Management MG 345	—	3
Electives (from 1 of 3 Areas)	3	—
	<u>18</u>	<u>18</u>

SENIOR YEAR:		
Upper Division Economics	3	—
Business Policies GB 450	3	—
Methods in Business Education BE 401	3	—
Business Curriculum and Methods Seminar BE 421	—	3
Speech Communication for Teachers (Area II) CM 311	—	3
Educational Psychology P 325	3	—
Business Student Teaching BE 471	—	8
Electives	3	1
	<u>15</u>	<u>15</u>

*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 2 credits of Typewriting at the Intermediate level or above are required.

NOTE: Business Education majors are encouraged to take Internships/Cooperative Education for elective credit. Up to 6 credits may be earned. Refer to page 22 for more information.

BUSINESS EDUCATION MAJOR

Basic Business Option with

Distributive Education Emphasis

Bachelor of Business Administration Degree

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Applied Business Communications OA 238	3	—
Business Math/Machines OA 115	—	3
General Psychology (Area II) P 101	3	—
Mathematics (Area III) M 105-106	4	4
Salesmanship MM 101	3	—
Merchandise Analysis MM 102	—	3
Principles of Retailing MM 202	—	3
	<u>16</u>	<u>16</u>

SOPHOMORE YEAR:

Intro Financial Accounting AC 205	3	—
Intro Managerial Accounting AC 206	—	3
Prin. of Economics (Area II) EC 201-202	3	3
Business Law I GB 202	3	—
Elective (Area I)	3	—
*Int. or Adv. Typewriting OA 107 or 209	2	—
Elective (Area III)	—	4
Foundations of Education TE 201	—	3
Statistical Techniques I GB 207	—	3
Intro Data Processing DP 210	3	—
	<u>17</u>	<u>16</u>

JUNIOR YEAR:

Principles of Marketing MK 301	3	—
Principles of Management MG 301	3	—
Principles of Finance FI 303	3	—
Secondary School Methods TE 381	—	3
Principles and Organization of Vocational Education-Job Analysis BE 441	—	3
Technical Writing for Business OA 338	—	3
Prin. of Prod. Management MG 345	—	3
Electives (from 2 of 3 Area)	6	—
Electives (Area I)	—	3
Reading in the Content Subjects TE 307	3	—
	<u>18</u>	<u>15</u>

SENIOR YEAR:

Methods in Business Education BE 401	3	—
Administration and Coordination of Cooperative Programs BE 443	3	—
Speech Communication for Teachers (Area II) CM 311	—	3
Educational Psychology P 325	3	—
Business Student Teaching BE 471	—	8
Business Curriculum and Methods Seminar BE 421	—	3
Methods and Materials in Distributive Education BE 409	2	—
Money and Banking EC 301	3	—
Business Policies GB 450	3	—
	<u>17</u>	<u>14</u>

*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 2 credits of Typewriting at the Intermediate level or above are required.

NOTE: Business Education majors are encouraged to take Internships/Cooperative Education for elective credit. Up to 6 credits may be earned. Refer to page 22 for more information.

BUSINESS EDUCATION MAJOR

Shorthand Option

Bachelor of Business Administration Degree

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
*Intermediate or Advanced Typewriting OA 107 or 209	—	2
Applied Business Communication OA 238	—	3
General Psychology (Area II) P 101	—	3
Business Math/Machines OA 115	3	—
Mathematics (Area III) M 105-106	4	4
Electives (Area I)	3	—
Electives (from 2 of 3 Areas)	3	—
	<u>16</u>	<u>15</u>

SOPHOMORE YEAR:

Intro to Financial Accounting AC 205	3	—
Intro to Managerial Accounting AC 206	—	3
Prin. of Economics (Area II) EC 201-202	3	3
Business Law I GB 202	3	—
*Beginning and Int. Shorthand OA 101-102	4	4
Foundations in Education TE 201	3	—
Statistical Techniques I GB 207	—	3
Intro to Data Processing DP 210	—	3
	<u>16</u>	<u>16</u>

JUNIOR YEAR:

Principles of Marketing MK 301	—	3
Secondary School Methods TE 381	—	3
Office Management OA 317	—	3
Principles of Management MG 301	3	—
Advanced Shorthand OA 201	4	—
Administrative Office Procedures OA 310	—	3
Technical Writing for Business OA 338	—	3
Principles of Finance FI 303	3	—
Electives (Area I)	—	3
Electives (Area III)	4	—
Reading in the Content Subjects	3	—
	<u>17</u>	<u>18</u>

SENIOR YEAR:

Methods in Business Education BE 401	3	—
Business Curriculum and Methods Seminar BE 421	—	3
Records Preparation & Management OA 309	3	—
Speech Communication for Teachers (Area II) CM 311	—	3
Educational Psychology P 325	—	3
Business Student Teaching BE 471	—	8
Prin. of Prod. Management MG 345	3	—
Business Policies GB 450	3	—
Electives (from 2 of 3 Areas)	3	—
	<u>15</u>	<u>17</u>

*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 2 credits of Typewriting at the Intermediate level or above are required.

NOTE: Business Education majors are encouraged to take Internship/Cooperative Education for elective credit. Up to 6 credits may be earned. Refer to page 22 for more information.

MINOR IN CONSUMER EDUCATION

A minor is available in Consumer Education. This minor program would be valuable to those planning to teach Consumer Economics or other Consumer Education topics.

Consumer in the Marketplace HE 250	3
Principles of Economics EC 201-202	6
Personal Finance and Investments FI 108	3
Money and Banking EC 301	3
Principles of Marketing MK 301	3
Consumer Education in the Schools BE 411	3
	<u>21</u>

OFFICE ADMINISTRATION MAJOR
Bachelor of Business Administration Degree

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
*Intermediate and Advanced Typewriting OA 107 and 209	2	2
Business Math/Machines OA 115	—	3
General Psychology (Area II) P 101	—	3
Mathematics (Area III) M 105-106	4	4
Area I Electives	3	—
Fund. of Speech Communications CM 111	3	—
	<u>15</u>	<u>15</u>

SOPHOMORE YEAR:

Business Law I GB 202	3	—
Intro Financial Accounting AC 205	3	—
Intro Managerial Accounting AC 206	—	3
*Int. & Adv. Shorthand OA 121-201	4	4
Word Processing Machine Transcription OA 213	—	2
Area III Elective	—	4
Principles of Economics EC 201-202	3	3
Applied Business Comm. OA 238	3	—
	<u>16</u>	<u>16</u>

JUNIOR YEAR:

Secretarial Transcription OA 221	4	—
Principles of Marketing MK 301	3	—
Intro to Data Processing DP 210	—	3
Statistical Techniques I GB 207	3	—
Principles of Finance FI 303	—	3
Technical Writing for Business OA 338	3	—
Electives (from 2 of 3 Areas)	3	6
Principles of Management MG 301	—	3
Prin. of Prod. Management MG	—	3
	<u>16</u>	<u>18</u>

SENIOR YEAR:

Records Preparation and Management OA 309	3	—
Administrative Office Procedures OA 310	—	3
Office Management OA 317	—	3
Human Resource Management MG 401	—	3
Business Policies GB 450	—	3
Upper Division Electives	—	4
Electives (from 2 of 3 Areas)	7	—
Intermediate Microeconomics EC 303	3	—
Economics Elective (Upper Division)	3	—
	<u>16</u>	<u>16</u>

A maximum of 12 credits in Shorthand and 4 in Typewriting will be applied to requirements for the 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.

NOTE: Office Administration majors are encouraged to take Internship/Cooperative Education for elective credit. Up to 6 credits may be earned. Refer to page 22 for more information.

OFFICE SYSTEMS

Associate of Science Degree

WORD PROCESSING PROGRAM

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Intro to Business GB 101	3	—
*Beginning Shorthand OA 101	4	—
*Beginning Typewriting OA 105	2	—
Applied Business Communications OA 238	3	—
*Intermediate Shorthand OA 121	—	4
*Intermediate Typewriting OA 107	—	2
Business Math/Machines OA 115	—	3
Intro to Information Processing	—	3
	<u>15</u>	<u>15</u>

SOPHOMORE YEAR:

Fund. of Speech Communications CM 111	—	3
Intro Financial Accounting AC 205	3	—
Principles of Macroeconomics EC 201	—	3
Elective (Area II)	3	—
Advanced Typewriting OA 209	2	—
Records Preparation and Management OA 309	3	—
Editing for Word Processing OA 219	1	—
OA Electives	3	—
Administrative Office Procedures OA 310	—	3
Word Processing, Machine Transcription OA 213	—	2
Word Processing, Mag Keyboarding OA 215	—	3
Electives	2	3
	<u>17</u>	<u>17</u>

*Credits may be granted for prior work in Beginning and Intermediate Shorthand and Typewriting through a proficiency examination and completion of an advanced course with a grade of C or better.

SCHOOL OF BUSINESS

SECRETARIAL PROGRAM

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102.....	3	3
Intro to Business GB 101	3	—
*Beginning Shorthand OA 101	4	—
*Beginning Typing OA 105.....	2	—
Applied Business Communications OA 238 ..	3	—
*Intermediate Shorthand OA 121	—	4
Intermediate Typewriting OA 107.....	—	2
Business Math/Machines OA 115	—	3
Intro to Information Processing	—	3
	15	15
SOPHOMORE YEAR:		
Fund of Speech Comm. CM 111	—	3
Intro Financial Accounting AC 205	3	—
Principles of Economics, Macro EC 201.....	—	3
Advanced Shorthand OA 201.....	4	—
Advanced Typewriting OA 209	2	—
Records Preparation and Management OA 309	3	—
Area II Electives	3	—
Secretarial Transcription OA 221	—	4
Administrative Office Procedures OA 310 ...	—	3
Word Processing, Machine Transcription OA 213	—	2
Electives.....	2	2
	17	17

*Credits may be granted for prior work in Beginning and Intermediate Shorthand and Typewriting through a proficiency examination and completion of an advanced course with a grade of C or better.

NOTE: Office Systems majors are encouraged to take Internships/Cooperative Education for elective credit. Up to 6 credits may be earned. Refer to page 22 for more information.

COURSE OFFERINGS

BE BUSINESS EDUCATION

UPPER DIVISION

- BE 401 Methods in Business Education (3-0-3) (F).** Methods and materials of instruction in business subjects at the secondary and post-secondary levels. Methods of teaching the adult learner. Application of principles of learning and teaching to business education. Must be taken in the semester immediately preceding student teaching.
- BE 409 Methods and Materials in Distributive Education (2-0-2) (F).** Specific methods and techniques used in teaching salesmanship, marketing, retailing and other distributive education courses. Organization and administration of vocational student groups.
- BE 411 Consumer Education in the Schools (3-0-3) (S).** For students preparing to teach consumer related topics. To introduce prospective teachers to teaching methodology appropriate to Consumer Education. Learning materials and resources will be identified and reviewed. Prerequisite: Senior level or PERM/INST.
- BE 421 Business Curriculum and Methods Seminar (3-0-3) (S).** Coverage of current issues and methods in business education, curriculum, research, vocational guidance, and the handicapped student. Includes counseling responsibilities, curriculum development, teaching the disadvantaged and handicapped, and modifying vocational programs for students with special needs. Individual research and presentation emphasized. Spring
- BE 441G Principles and Organization of Vocational Education Programs-Job Analysis (3-0-3) (S).** 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.
- BE 443G Administration and Coordination of Cooperative Programs (3-0-3) (F).** Selection, guidance, placement, supervision and follow-up of students in training stations. Responsibilities of good public relations, organization, maintenance, and utilization of advisory committees. Vocational youth groups, including philosophy, establishment, leadership roles, financing, activities, and contests.
- BE 471 Business Student Teaching (8-0-8) (FS).** Supervised teaching under the direction of qualified, business teacher-education specialists. Prerequisite: BE 401 and PERM/DIR.

COURSE OFFERINGS

OA OFFICE ADMINISTRATION

LOWER DIVISION

OA 101 Beginning Shorthand (5-0-4) (FS). 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 typewriting or current enrollment in typewriting.

OA 105 Beginning Typewriting (5-0-2) (FS). Theory and keyboard operations on the typewriter with application for personal or business use.

OA 107 Intermediate Typewriting (3-0-2) (FS). Review of typewriting fundamentals for development of speed and accuracy with application of these skills for use. Prerequisite: OA 105 or advanced placement.

OA 115 Business Mathematics-Machines (3-0-3) (FS). Fundamental operations of arithmetic in business usage. Decimals, fractions, percentages, interest, discounts, markup, installment buying, depreciation, and graphs are considered as well as some interpretation of financial papers. The student receives instruction on the electronic calculator.

OA 121 Intermediate Shorthand (5-0-4) (FS). 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.

OA 201 Advanced Shorthand (5-0-4) (F/S). 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.

OA 205 Medical Office Orientation (1-0-1) (S) (Alternate years). 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.

OA 207 Procedures Of a Law Office (1-0-1) (S). Office procedures and methods as they relate to the work of a legal secretary. Legal terminology and meaning of the language of the law is stressed.

OA 209 Advanced Typewriting (3-0-2) (FS). Continued study of typewriting procedures to develop speed and accuracy in office applications. Prerequisite: OA 107 or advanced placement from high school work.

OA 211 Introduction to Information Processing (3-0-3) (F). Information as a major resource of business. Information processing concepts, equipment, and systems in business. Areas of information considered are: Telecommunications, word processing, integrated word/data processing systems, electronic mail, electronic conferencing, reprographics, micrographics, records processing, and office administration. Creation, storage, processing, and distribution of business information.

OA 213 Word Processing, Machine Transcription (2-0-2) (FS). The development of speed and accuracy in machine transcription is emphasized by using business work processing materials such as letters, interoffice memos, business forms, news releases, minutes, itineraries, and reports. Prerequisite: OA 209.

OA 215 Word Processing: Magnetic Keyboarding (3-0-3). Computerized document creation. Emphasis on creation, storage, and information processing applications. Corequisite: OA 209, Advanced Typewriting.

OA 219 Editing For Word Processing (1-0-1) (S). Intended to assist the student in developing expertise in spelling, vocabulary, punctuation, proofreading, abstracting and editing. Prerequisite: Grade of C or higher is recommended in OA 238, OA 107.

OA 221 Secretarial Transcription (5-0-4) (S). Advanced instruction in office transcription. Opportunities for special transcription practice of a medical or legal nature will be provided. Prerequisite: OA 201.

OA 238 Applied Business Communications (3-0-3) (FS). 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.

UPPER DIVISION

OA 309 Records Preparation and Management (3-0-3) (F). 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.

OA 310 Administrative Office Procedures (3-0-3) (S). 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.

OA 317 Office Management (3-0-3) (S). Introduction to the area of information management. Functions of office management including area such as production environmental analysis, systems analysis and personal administration.

OA 338 Technical Writing For Business (3-0-3) (F/S). 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. Prerequisite: OA 238.

DEPARTMENT OF ECONOMICS

Business Bldg., Rm. 311

Phone 208/385-3351

Chairman and Professor: Dr. Richard D. Payne; Professors: Asmus, Billings, Holley, Lamborn, Mitchell; Associate Professors: Draayer, Lichtenstein, Sula; Assistant Professor: Reynolds.

ECONOMICS MAJOR
Bachelor of Arts Degree

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102.....	3	3
Mathematics M 105-106 or M 111-204.....	4	4
History.....	3	—
Electives (Area II) (other than Economics or History).....	—	3
*Electives (Area I) (Field One).....	3	—
*Electives (Area I) (Field Two).....	—	3
Electives.....	3	3
	16	16
SOPHOMORE YEAR:		
Principles of Macroeconomics EC 201.....	3	—
Principles of Microeconomics EC 202.....	—	3
Literature.....	3	—
Elective (Area I).....	—	3
Science.....	—	4
Intro Financial Accounting AC 205.....	3	—
Intro to Data Processing DP 210.....	3	—
Intro Managerial Accounting AC 206.....	—	3
Statistical Techniques I GB 207.....	3	—
Statistical Techniques II GB 208.....	—	3
Electives.....	2	1
	17	17
JUNIOR YEAR:		
Intermediate Microeconomics EC 303.....	3	—
Intermediate Macroeconomics EC 305.....	—	3
Principles of Finance FI 303.....	3	—
Economics Electives.....	3	3
**Electives.....	6	9
	15	15
SENIOR YEAR:		
Econometrics EC 421,422.....	3	3
Economics Electives.....	3	3
**Electives.....	10	10
	16	16

*See page 30 for clarification of fields in BA degree.
**Electives should be chosen mainly from Upper Division courses.

ECONOMICS MAJOR
Bachelor of Business Administration Degree

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102.....	3	3
Mathematics M 105-106 or M 111-204.....	4	4
Area I Electives.....	3	3
Area II Electives (other than Economics).....	3	3
Electives.....	3	3
	16	16
SOPHOMORE YEAR:		
Principles of Economics EC 201-202.....	3	3
Science.....	3-4	—
Intro Financial Accounting AC 205.....	3	—
Intro Managerial Accounting AC 206.....	—	3
Business Law I GB 202.....	3	—
Statistical Techniques I,II GB 207-208.....	3	3
Applied Business Communications OA 238.....	—	3
Intro to Data Processing DP 210.....	—	3
	15-16	15
JUNIOR YEAR:		
Intermediate Microeconomics EC 303.....	3	—
Intermediate Macroeconomics EC 305.....	—	3
Principles of Management MG 301.....	3	—
Principles of Finance FI 303.....	3	—
Principles of Marketing MK 301.....	3	—
*Non-Business Electives (Area I,II,III).....	6	3
Prin. of Prod. Management MG 345.....	—	3
Economics Electives.....	—	6
	18	15

SENIOR YEAR:

Econometrics EC 421-422.....	3	3
Economics Electives.....	3	3
Human Resource Management MG 401.....	3	—
Business Policies GB 450.....	—	3
**Non-Business Electives (Area I,II,III).....	3	3
Electives.....	5	4
	17	16

*Must include hours in at least 2 of 3 definitive areas as listed on page 31 of the Catalog.
**Electives should be chosen mainly from Upper Division courses.

ECONOMICS—SOCIAL SCIENCE
SECONDARY EDUCATION OPTION

Each academic department in the Social Sciences (History; Political Science; Sociology, Anthropology & Criminal Justice; 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 2 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 103 of the Catalog).

DEGREE REQUIREMENTS

ECONOMICS MAJOR ENDORSEMENT (30 of 30-15-15)

- General University and Basic Core Requirements as listed on page 29 of the Catalog.
- Two approved teaching minors (15 hours each) from:
 - History
 - Political Science
 - Anthropology
 - Sociology
 - Geography
- Economics Courses — 30 hours
Required Courses EC 201, 202, 303, 305 — 12 hours
Other Economics Courses — 18 hours
- Accounting AC 205
- Education courses to meet Idaho State Department of Education Certification Requirements for Teachers in Secondary Education — 25 or 30 hours (See Teacher Education Section, page 102 for course listings).
- Sufficient electives to complete a total of 128 credit hours of which 40 must be Upper Division.

ECONOMICS MINOR ENDORSEMENT (15 of 30-15-15)

Required Courses EC 201, 202, 303, 305.....	12
Upper Division Economics Courses.....	3
	15

ECONOMICS MINOR ENDORSEMENT (General)

(For Secondary Education majors NOT participating in the 30-15-15 program)

Required Courses EC 201, 202, 303, 305.....	12
Upper Division Economics Courses.....	9
	21

COURSE OFFERINGS

EC ECONOMICS

LOWER DIVISION

EC 201 Principles of Economics-Macro (3-0-3) (AREA II). Economic principles are used to analyze the aggregate performance of developed economies. Analysis is applied to domestic and international macroeconomic issues. The goals and problems of high employment, price stability, growth and the balance of payments are analyzed. Monetary, fiscal and other national policies are discussed.

EC 202 Principles of Economics-Micro (3-0-3) (AREA II). An introduction to microeconomic analysis covering supply and demand, the basic market structures, the operation of the price system, and the distribution of income. Provides an introduction to some applied areas of economics such as international, regional, the public sector, and economic development.

EC 210 Contemporary Economic Problems (3-0-3) (F/S). A one semester introduction to economics centered around selected contemporary economic problems. Principles are introduced to help analyze problems and point out alternative solutions. (Not allowed as part of the economics major requirements. Not allowed for credit to those students who have taken EC 201 and EC 202). Prerequisite: None.

SCHOOL OF BUSINESS

EC 219 Environmental Economic Problems: Economics and the Quality of Life (3-0-3) (F). 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 are examined. Policy prescriptions and economic implications of environmental control are discussed.

UPPER DIVISION

EC 301 Money and Banking (3-0-3). Analysis of the role of money, credit and the financial system in the U.S. economy through the economics of commercial and central banking. Study of monetary theory and monetary policy as they affect both domestic and international economic policy goals. Prerequisite: EC 201, EC 202.

EC 303 Intermediate Microeconomics (3-0-3). An analysis of the price mechanism and its role in resource allocation, output composition, and income distribution. Topics include consumer choice and demand, theories of production and cost, and the economic performance of various market structures. The usefulness of price theory in the analysis of social problems and managerial decisions is stressed. Prerequisite: EC 202.

EC 305 Intermediate macroeconomics (3-0-3). Analysis of the determinants of the level of national income, employment, productivity and the price level. Analysis of the effects of economic policy instruments and decisions on aggregate economic performance goals. Prerequisite: EC 201.

EC 310 Public Finance (3-0-3) (S). A study of the role and impact of government on the functioning of the free enterprise economic system. The theory and rationale of government spending, taxing, and indebtedness will be examined. The effects of government activity on allocation of resources and distribution of income. Attention will be paid to state and local problems. Prerequisite: EC 201, 202 or PERM/INST.

EC 311 History of Economic Thought (3-0-3) (F). Study of the origin and development of economic theories that have influenced western civilization. Particular attention will be given to the period since 1750. Prerequisite: EC 201-202.

EC 315 Comparative Economic Systems. (3-0-3) (S). A comparative study of the goals and methods of various economic systems such as capitalism, socialism and communism. The study will be approached from both a theoretical and practical point of view. Prerequisite: EC 201 or PERM/INST.

EC 317 International Economics (3-0-3) (S). The benefits and pattern of world trade and investment. Tariffs, quotas and the commercial policies of nations. The foreign exchange market and the balance of payments. Consequences of balance of payments disequilibrium for national policy. The analysis of international payments adjustment and the nature and institutions of international monetary systems. Prerequisite: EC 201,202

EC 321 Regional Economics (3-0-3) (F). Application of economic analysis to regional problems of structure, growth and policy. Location theory, various growth models, and specific techniques such as input-output analysis, base multipliers and cost benefit analysis are developed. Prerequisite: EC 201-202.

EC 322 Urban Economics (3-0-3) (S). Focus on the structure of the urban areas, locational patterns, housing, crime, pollution, poverty, financial and transportation problems. Tools of economic analysis will be used to analyze the problems and existing and proposed policies. Prerequisite: EC 201, 202 or PERM/INST.

EC 325 Radical Economics (3-0-3) (F). Analysis of radical political-economic thought and its applications to the study of socio-economic problems. Topics include Marxist socialist economic theory, libertarianism, anarchist theory, evolutionary economic theory, and other radical models. Issues such as imperialism, economic and social inequality and alienation will be considered. Prerequisite: Upper division or PERM/INST.

EC 327 Labor Economics (3-0-3) (F). Characteristics and structure of the U.S. labor force are examined and labor markets are analyzed to emphasize the micro- and macroeconomic factors affecting workplace decisions. Development of the U.S. industrial relations system is reviewed along with public policies and these are contrasted with those of other western industrialized societies. Prerequisite: EC 201,202.

EC 405 Business Fluctuations and Economic Stabilization (3-0-3). Application and extension of macroeconomic theory to the study of economic instability. Theories of economic fluctuations and their measurement. Goals, objectives and tools of stabilization policy including techniques of macroeconomic forecasting and modeling. Prerequisite: EC 305. Alternate years.

EC 417 (HY 417) U.S. Economic History (3-0-3) (S). Major factors in the economic growth and development of the United States from colonial times to the present. Particular emphasis is given to the interaction of economic factors and other aspects of American society. Prerequisite: EC 201, 202 or PERM/INST. Alternate years.

EC 421G-422G Econometrics (3-0-3). Application of mathematics and statistics to the study of economics. Designed to acquaint the student with the quantitative tools used to verify theory and to forecast economic activity. Prerequisite: M 106 or equivalent and PERM/INST. May be taken for graduate credit. EC 421G - Fall; EC 422G - Spring.

DEPARTMENT OF MANAGEMENT AND FINANCE

Business Bldg., Rm. 308 Phone 208/385-1527
 Chairman and Professor: Dr. Roger D. Roderick; Professors: Allen, Phillips, Stitzel, White, Wilterding; Associate Professors: Bohner, Doss, Fitzpatrick, Gardner, Greene, Groebner, Kinsl-

inger, Nix, Puckett, Shannon, Waldorf; Assistant Professors: Gallup, Hall, Heist, Kettlewell, Munson.

FINANCE MAJOR Bachelor of Business Administration Degree

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Fund. of Speech Comm. (Area II) CM 111	3	—
General Psychology (Area II) P 101	—	3
Mathematics M 105-106 or M 111-204	4	4
Area I Electives	3	3
General Electives (Area I, II, III)	3	3
	16	16

SOPHOMORE YEAR:		
Principles of Economics EC 201-202	3	3
Intro Financial Accounting AC 205	3	—
*Intro Managerial Accounting AC 206	—	3
Applied Business Communications OA 238	3	—
Intro to Data Processing DP 210	—	3
Statistical Techniques I GB 207	3	—
Statistical Techniques II GB 208	—	3
Business Law I GB 202	—	3
Science Electives (Area III)	4	—
Introduction to Securities FI 250	—	3
	16	18

JUNIOR YEAR:		
Principles of Marketing MK 301	3	—
Principles of Management MG 301	3	—
Principles of Finance FI 303	3	—
Intermediate Microeconomics EC 303	—	3
Money and Banking EC 301	3	—
Financial Management I FI 325	—	3
**Major Electives	—	3
General Electives (Area I, II, III)	4	4
Prin. of Prod. Management MG 345	—	3
	16	16

SENIOR YEAR:		
Mgmt. of Financial Institutions FI 417	3	—
Senior Seminar in Finance FI 498	—	3
Investment Management FI 450	3	—
Human Resource Management MG 401	3	—
Financial Management II FI 326	—	3
Business Ethics and Social Responsibility GB 360	3	—
Business Policies GB 450	—	3
**Major Electives	3	—
General Electives	—	3
Electives (Area I, II, III)	—	3
	15	15

*Some students may want to take AC 207 (Intermediate Accounting I). Check with your advisor.

**Finance Electives: Intermediate and/or Managerial and Cost Accounting AC 207, 352, 351, 304, 306, 351, 352; International Economics, EC 317; Real Estate Finance, RE 360; Senior Seminar in Finance, FI 498 - one required, second recommended; Public Finance, EC 310.

GENERAL BUSINESS MAJOR Bachelor of Business Administration Degree

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Fund. of Speech Comm. (Area II) CM 111	3	—
General Psychology (Area II) P 101	—	3
Mathematics (Area III) M 105-106 or M 111-204	4	4
Electives (Area I)	3	3
Electives (Area III)	—	4
General Electives (Area I, II, III)	3	—
	16	17

SOPHOMORE YEAR:

Principles of Economics (Area II) EC 201-202	3	3
Intro Financial Accounting and Managerial Accounting AC 205-206	3	3
Applied Business Communications OA 238	3	—
Statistical Techniques I GB 207	3	—
Intro to Data Processing DP 210	—	3
Business Law I GB 202	—	3
General Electives (Area I, II, III)	4	3
	<u>16</u>	<u>15</u>

JUNIOR YEAR:

Principles of Marketing MK 301	3	—
Principles of Management MG 301	3	—
Intermediate Microeconomics EC 303	3	—
Principles of Finance FI 303	3	—
Intermediate Macroeconomics ED 305	—	3
Principles of Income Tax AC 401	—	3
Human Resource Management MG 401	—	3
Business Ethics and Social Responsibility GB 360	3	—
Statistical Techniques II GB 208	—	3
General Electives (Area I, II, III)	3	—
General Electives	—	4
	<u>18</u>	<u>16</u>

SENIOR YEAR:

Financial Management I, II FI 325-326	3	3
Government and Business GB 441	—	3
Prin. of Prod. Management MG 345	3	—
Organization Dynamics MG 405	—	3
Intermediate Marketing Management MK 320	—	3
Business Policies	—	3
General Electives (Area I, II, III)	3	—
General Electives	6	—
	<u>15</u>	<u>15</u>

**PRODUCTION MANAGEMENT MAJOR
Bachelor of Business Administration Degree**

FRESHMAN YEAR:

	1ST SEM.	2ND SEM.
English Composition E 101-102	3	3
Algebra, Trig., Calculus M 111, 204	5	5
Essentials of Chemistry (w/Lab) C 107-108, 109-110	4	4
Digital Computer Programming EN 104	2	—
Physics I PH 220	—	3
Engineering Fundamentals EN 107-108	2	2
	<u>16</u>	<u>17</u>

SOPHOMORE YEAR:

Physics II, III PH 221-222	3	3
Calculus & Anal. Geometry M 205-206	4	4
Statistical Techniques I GB 207	3	—
Statistical Techniques II GB 208	—	3
Intro Financial Accounting AC 205	3	—
Intro Managerial Accounting AC 206	—	3
Applied Business Communications OA 238	3	—
Geology P 101	—	3
	<u>16</u>	<u>16</u>

JUNIOR YEAR:

Prin. of Economics EC 201-202	3	3
Principles of Marketing MK 301	3	—
Intro to Mechanics EN 205	—	3
Fund. of Speech Communications CM 111	3	—
Principles of Finance FI 303	—	3
Electives (Area I)	3	3
Principles of Management MG 301	3	—
Business Law I GB 202	3	—
Prin. of Prod. Management MG 345	—	3
	<u>18</u>	<u>15</u>

SENIOR YEAR:

Human Resource Management MG 401	—	3
Quantitative Analysis GB 366	3	—
Operations Management MG 408	3	—
Principles of Income Tax AC 401	—	3
Decisions Analysis MG 409	3	—
Mechanics of Material EN 306	—	3
Intermediate Microeconomics EC 303	3	—
*Elective	—	3
Business Ethics and Social Responsibility GB 360	3	—
Business Policies GB 450	—	3
	<u>15</u>	<u>15</u>

*Production Management Electives: Compensation Management, MG 406; Fluid Mechanics, EN 301; Labor Relations, MG 340; Labor Law, MG 330; Thermodynamics and Heat Transfer, EN 320.

**MANAGEMENT MAJOR
BEHAVIORAL OPTION
Bachelor of Business Administration Degree**

FRESHMAN YEAR:

	1ST SEM.	2ND SEM.
English Composition E 101-102	3	3
Fund. of Speech Comm. (Area II) CM 111	3	—
General Psychology (Area II) P 101	—	3
Mathematics (Area III) M 105-106 or M 111-204	4	4
Electives (Area I)	3	3
Science Elective	—	4
General Electives (Area I, II, III)	3	—
	<u>16</u>	<u>17</u>

SOPHOMORE YEAR:

Intro Financial Accounting AC 205	3	—
Intro Managerial Accounting AC 206	—	3
Principles of Economics EC 201-202	3	3
Applied Business Communications OA 238	3	—
Statistical Techniques I GB 207	3	—
Intro to Data Processing DP 210	—	3
General Electives (Areas I, II or III)	4	3
Business Law I GB 202	—	3
	<u>16</u>	<u>15</u>

JUNIOR YEAR:

Principles of Marketing MK 301	3	—
Principles of Finance FI 303	3	—
Principles of Management MG 301	3	—
Intermediate Microeconomics ED 303	3	—
Intermediate Macroeconomics EC 305	—	3
Business Ethics and Social Responsibility GB 360	3	—
Personnel Administration MG 305	—	3
Prin. of Prod. Management MG 345	—	3
General Electives (Areas I, II and III)	3	3
General Electives	—	4
	<u>18</u>	<u>16</u>

SENIOR YEAR:

Compensation Management MG 406	3	—
Consumer Behavior MK 307	3	—
✓ Industrial Sociology SO 361	3	—
Organization Dynamics MG 405	—	3
Quantitative Analysis GB 366	3	—
Human Resource Management MG 401	—	3
Government and Business GB 441	—	3
Business Policies GB 450	—	3
General Electives	3	3
	<u>15</u>	<u>15</u>

SCHOOL OF BUSINESS

**MANAGEMENT MAJOR
QUANTITATIVE OPTION**

Bachelor of Business Administration Degree

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Fund. of Speech Comm. (Area II) CM 111	3	—
Intro to Data Processing DP 210	—	3
Mathematics (Area III) M 105-106 or M 111-204	4	4
General Psychology (Area II) P 101	—	3
Electives (Area I)	3	—
Science Elective	—	4
General Electives (Area I, II, III)	3	—
	<u>16</u>	<u>17</u>

SOPHOMORE YEAR:		
Intro Financial and Managerial Accounting AC 205-206	3	3
Principles of Economics EC 201-202	3	3
Statistical Techniques I GB 207	3	—
Statistical Techniques II GB 208	—	3
Applied Business Communications OA 238	3	—
General Electives (Area I, II, III)	3	3
Business Law I GB 202	—	3
	<u>15</u>	<u>15</u>

JUNIOR YEAR:		
Principles of Marketing MK 301	3	—
Principles of Finance FI 303	3	—
Principles of Management MG 301	3	—
Intermediate Microeconomics EC 303	3	—
Intermediate Macroeconomics EC 305	—	3
Prin. of Prod. Management MG 345	—	3
Business Ethics and Social Responsibility GB 360	3	—
Human Resource Management MC 401	—	3
General Electives (Area I, II, III)	3	4
General Electives (DP 320 suggested)	—	3
	<u>18</u>	<u>16</u>

SENIOR YEAR:		
Quantitative Analysis GB 366	3	—
Organization Dynamics MG 405	—	3
Decisions Analysis MG 409	—	3
Operations Management MG 408	—	3
Business Policies GB 450	—	3
Government and Business GB 441	—	3
General Electives (DP 345 suggested)	6	4
General Electives	6	4
	<u>15</u>	<u>16</u>

**MANAGEMENT MAJOR
AVIATION OPTION**
Bachelor of Business Administration Degree

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Fund. of Speech Comm. (Area II) CM 111	3	—
General Psychology (Area II) P 101	—	3
Mathematics M 105-106 or M 111-204	4	4
Area I Electives	3	3
Science Elective	—	4
General Elective (Area I, II, III)	3	—
	<u>16</u>	<u>17</u>

SOPHOMORE YEAR:		
Economics EC 201-202	3	3
Intro Financial and Managerial Accounting AC 205-206	3	3
Applied Business Communications OA 238	3	—
Statistical Techniques I GB 207	3	—
Intro to Data Processing DP 210	—	3
General Electives (Area I, II, III)	3	4
Business Law I GB 202	—	3
	<u>15</u>	<u>16</u>

JUNIOR YEAR:		
Aviation Ground School AV 101	3	—
Principles of Marketing MK 301	3	—
Principles of Management MG 301	3	—
Principles of Finance FI 303	3	—
Intermediate Microeconomics EC 303	3	—
Intermediate Macroeconomics EC 305	—	3
Principles of Transportation GB 325	—	3
Prin. of Prod. Management MG 345	—	3
Statistical Techniques II GB 208	3	—
General Elective (Area I, II, III)	—	3
General Electives	—	4
	<u>18</u>	<u>16</u>

SENIOR YEAR:		
Airport Management AV 331	3	—
Airline—Aircargo Management AV 351	—	3
Aviation Law AV 371	3	—
Business Ethics and Social Responsibility GB 360	3	—
Human Resource Management MG 401	—	3
Government and Business GB 441	—	3
Business Policies GB 450	—	3
General Elective (Area I, II, III)	3	—
General Electives	3	3
	<u>15</u>	<u>15</u>

**MANAGEMENT MAJOR
INDUSTRIAL RELATIONS OPTION**
Bachelor of Business Administration Degree

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Fund. of Speech Comm. (Area II) CM 111	3	—
General Psychology (Area II) P 101	—	3
Mathematics M 105-106 or M 111-204	4	4
Electives (Area I)	3	3
Science Elective	—	4
General Electives (Area I, II, III)	3	—
	<u>16</u>	<u>17</u>

SOPHOMORE YEAR:		
Principles of Economics EC 201-202	3	3
Intro Financial and Managerial Accounting AC 205-206	3	3
Applied Business Communications OA 238	3	—
Statistical Techniques I GB 207	3	—
Intro to Data Processing DP 210	3	3
General Elective (Areas I, II, III)	3	3
Business Law I GB 202	—	3
	<u>15</u>	<u>15</u>

JUNIOR YEAR:		
Principles of Marketing MK 301	3	—
Principles of Management MG 301	3	—
Principles of Finance FI 303	3	—
Labor Economics EC 327	3	—
Intermediate Macroeconomics EC 305	—	3
General Electives	—	6
Personnel Administration MG 305	—	3
Labor Relations MG 340	3	—
General Electives (Areas I, II, III)	—	4
	<u>15</u>	<u>16</u>

SENIOR YEAR:		
Compensation Management MG 406	3	—
Labor Law MG 330	3	—
Prin. of Prod. Management MG 345	3	—
Organization Dynamics MG 405	—	3
Collective Bargaining MG 415	—	3
Human Resource Management MG 401	3	—
Government and Business GB 441	—	3
Business Policies GB 450	—	3
General Electives	5	5
	<u>17</u>	<u>17</u>

REAL ESTATE MAJOR
Bachelor of Business Administration Degree

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102.....	3	3
Fund of Speech Comm. (Area II) CM 111.....	3	—
General Psychology (Area II) P 101.....	—	3
Mathematics M 105-106 or M 111-204.....	4	4
Electives (Area I).....	3	3
Business Law I GB 202.....	3	—
Fundamentals of Real Estate RE 201.....	—	3
	16	16
SOPHOMORE YEAR:		
Science Elective.....	4	—
Intro Financial Accounting AC 205.....	3	—
Intro Managerial Accounting AC 206.....	—	3
Principles of Economics EC 201-202.....	3	3
Intro to Data Processing DP 210.....	—	3
Applied Business Communications OA 238.....	3	—
Law of Real Estate RE 220.....	—	3
Statistical Techniques I GB 207.....	3	—
General Electives (Areas I, II, III).....	—	4
	16	16
JUNIOR YEAR:		
Intermediate Microeconomics EC 303.....	3	—
Regional Economics EC 321.....	—	3
Principles of Marketing MK 301.....	3	—
Principles of Management MG 301.....	3	—
Principles of Finance FI 303.....	3	—
Real Estate Finance RE 360.....	—	3
Appraisal of Real Estate RE 331.....	—	3
Business Ethics and Social Responsibility GB 360.....	3	—
General Electives (Area I, II, III).....	3	3
General Electives.....	—	4
	18	16
SENIOR YEAR:		
Human Resource Management MG 401.....	3	—
Prin. of Prod. Management MG 345.....	3	—
Real Estate Investment and Taxation RE 340.....	3	—
Business Policies GB 450.....	—	3
*Major Elective.....	—	6
General Electives (Area I, II, III).....	3	3
*General Electives.....	3	3
	15	15

*Real Estate Electives: Real Estate Development, RE 370; Appraisal Income Property, RE 431; Tax Factors in Business, AC 320; Principles of Income Tax, AC 401; Brokerage Management RE 450; Property Management RE 350.

COURSE OFFERINGS

AV AVIATION MANAGEMENT

LOWER DIVISION

AV 101 Aviation Ground School (3-0-3). 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.

AV 201 Commercial Pilot Ground School (3-0-0) (F). 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.

AV 205 Introduction to Aviation Management (3-0-3) (F/S). Designed to provide a foundation for the student of aviation management. Regulatory practices, marketing, flight operation, manpower management and career opportunities in the field are featured.

UPPER DIVISION

AV 331 Airport Management (3-0-3) (F/S) 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.

AV 351 Airline and Air Cargo Management (3-0-3) (F/S). The functions of management in airline operations. Air carrier familiarization, effect of federal regulations, market analysis, and unit organization. Includes implications of decision-making in the areas of industrial, financial and economic phases of aviation management.

AV 371 Aviation Law (3-0-3) (F/S). 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.

AV 450 Colloquium in General Aviation (3-0-3) (S). Selected readings and topics on current problems in general aviation. Contact with representatives working in general aviation is advocated. Included in the course is consideration of general aviation equipment, the use of general aviation aircraft as a business tool. The operation and management of fixed base operations. Prerequisite: Senior aviation major or PERM/INST.

COURSE OFFERINGS

FI FINANCE

LOWER DIVISION

FI 108 Personal Finance (3-0-3) (F/S). Course addresses the growing complexity of financial decision making faced by the individual. How to avoid financial entanglements; installment buying; borrowing money; owning or renting a home; budgeting and money management; savings and investment alternatives; life, health, accident and auto insurance; personal income taxes and estate planning.

FI 211 Principles of Insurance (3-0-3) (F/S). Fundamental legal principles involved in insurance contracts, company practices in relation to insurance management are stressed as is the field of regulation on both the theoretical and practical applications. All area of insurance are covered including life, casualty, liability and medical.

FI 250 Introduction to Securities and Securities Markets (3-0-3) (F/S). Topics include operation of the securities' markets in the US: sources of investment information; brokerage firms operation; mechanics of direct investing; basic security analysis; commodities and futures markets; put and call options. Prerequisite: AC 205 or PERM/INST.

UPPER DIVISION

FI 303 Principles of Finance (3-0-3). Concepts and techniques of major areas of corporate, institutional, and investment finance, and their interrelationships. Overview of monetary policy by federal reserve, study of US financial system, international financial system, financial decision-making problems focusing on internal allocation of funds, financing asset needs and securities. Prerequisite: AC 205, 206, EC 201, 202 and M 106.

FI 325 Financial Management (3-0-3) (FS). 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. Instructional methods include the analysis of financial cases and financial modeling. Prerequisite: FI 303 and GB 208.

FI 326 Financial Management II (3-0-3) (S). 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 text. Prerequisite: FI 325.

FI 417 Management of Financial Institutions (3-0-3) (F). Problems faced by managers of financial institutions, developments and recent changes in structuring of US financial system as they impact on decision making in banking and other savings types institutions, the methods of governmental financing and their effects on flows of funds in the economy. New legislation, international institutions. Prerequisite: FI 303, EC 301.

FI 450G Investment Management (3-0-3) (FS). Strategies of investing in stocks, bonds, commodities and stock options. Topics include risk-return relationships of various investments; efficient market hypothesis and its implications for the individual investor; portfolio theory and the capital asset pricing model. Prerequisite: FI 303, GB 208 and FI 250.

FI 498-499 Senior Seminar in Finance (3-0-3) (F/S). Designed to provide an opportunity for study of a particular area of finance at an advanced level. Builds 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.

COURSE OFFERINGS

GB GENERAL BUSINESS

LOWER DIVISION

GB 101 Introduction to Business (3-0-3). Designed to acquaint the student with the many phases of business. An introduction to the specialized fields of business organization, accounting, insurance, marketing, banking, transportation, and industrial relations. Special emphasis is placed on business vocabulary.

GB 202 Business Law I (3-0-3). Introduction to the legal system including courts, litigation and lawyers. Designed to emphasize such specific substantive areas of law as contracts, agency, torts, personal property and antitrust aspects of government regulation of business.

GB 207 Statistical Techniques for Decision Making I (3-0-3). Designed to provide an understanding and working knowledge of the concepts and techniques pertaining to basic descriptive and inferential statistics. Business applications of such statistical concepts as the Poisson and normal distributions, interval estimates, and hypothesis testing are covered. Prerequisite: M 106 or equivalent.

GB 208 Statistical Techniques for Decision Making II (3-0-3) (FS). Statistical methods beyond GB 207. The course concentrates on using these procedures in a business decision making environment. 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. Prerequisite: GB 207, DP 210.

UPPER DIVISION

GB 302 Business Law II (3-0-3) (FS). Study of the Uniform Commercial Code with emphasis on sales, bulk transfers, documents of title, commercial paper, and secured tran-

SCHOOL OF BUSINESS

sactions. Also, the formation, operation and dissolution of partnerships and corporations, the merger and consolidation of corporations. Prerequisite: GB 202.

GB 325 Principles of Transportation (3-0-3) (F/S). Study of the economic and management problems and functions of the transportation industry. Covers the organization and structure of the transportation industry as well as the history, development, operations, pricing and legal controls and obligations of firms engaged in transportation services.

GB 360 Business Ethics, and Social Responsibility (3-0-3) (F). An exploration of business conduct and social responsibility in the light of existing ethical, moral, and social values. Designed to enable students to form individual positions on ethical conduct and social responsibility.

GB 366 Quantitative Analysis for Business Decisions (3-0-3) (F). Study of quantitative tools traditionally referred to as operations research techniques. Emphasis is on the illustration of the functional use of the techniques and how they assist the decision maker. Topics typically covered include linear programming and critical path analysis. Prerequisite: GB 207, MG 301.

GB 441G Government and Business (3-0-3) (S). Intensive study of and student research into the scope of government control and regulation of business. Specific major statutes and their implementing rules and regulations are researched and analyzed as well as selected federal and state regulatory agencies. May be taken for graduate credit. Prerequisite: GB 202.

GB 450 Business Policies (3-0-3). To develop analytical, problem solving and decision making skills in situations dealing with complex organizations with the ultimate objective of formulating policies and strategies: both domestic and world-wide. To build upon and integrate the knowledge and methods acquired to examine all functional areas of the organization. Prerequisite: Senior standing plus MG 301, MK 301, MG 345, FI 303.

COURSE OFFERINGS

MG MANAGEMENT

UPPER DIVISION

MG 301 Principles of Management (3-0-3). The history of management, schools of management thought, and the planning, organizing, directing and controlling functions of management. Emphasis is also given to international management and the application of quantitative techniques in management. Prerequisite: M 106.

MG 305 Personnel Administration (3-0-3) (FS). The functions of personal administration—human resources, planning, procurement, development, utilization, and compensation—with an emphasis on the interrelationships among these functions. Current topics in the law as they affect the personnel functions are considered (e.g. OSHA, Fair Employment Regulations, etc.). Prerequisite: MG 301 or PERM/INST.

MG 317 Small Business Management (3-0-3) (F/S). Study of the unique and distinct problems encountered by small business organizations. Covers the topics of locating, financing, staffing, marketing and regulating the small business. Emphasis is placed on small business management techniques as they apply to service, retail, and production oriented small businesses. Prerequisite: MG 301.

MG 330 Labor Law (3-0-3) (F/S). The general principles of the law and the effective application of these principles. Such issues as organizing campaigns, unfair labor practices, picketing, work stoppages, and the mechanisms of conflict resolution are discussed.

MG 340 Labor Relations (3-0-3) (F/S). History, structure, policies, and operations of labor unions, the functioning of industrial relations activities within organizations, and important concepts and terminology in labor-management relations. Contract administration is emphasized with a focus on the day-to-day relationships. International comparisons are made.

MG 345 Principles of Production Management (3-0-3) (FS). Management of the production function. Analysis, design, planning and control of production processes. Plant location, design and layout, scheduling, time and motion study, quality control, material acquisition, and systems theory. Quantitative techniques are considered. Prerequisite: Upper Division standing, GB 207 and MG 301.

MG 401 Human Resource Management (3-0-3). 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.

MG 405 Organizational Dynamics (3-0-3) (S). Development of organizational theory including the following specific areas: organizational structure, bureaucracies, organizational influence processes, politics, power and conflict, organizational development and organizational effectiveness. Prerequisite: MG 301.

MG 406 Compensation Management (3-0-3) (FS). Implementation, administration, maintenance, and control of a comprehensive compensation program. Job analysis, job evaluation, pricing of jobs, supplemental benefits, incentive plans, and performance appraisal. Legislation affecting compensation and unique compensation problems of public employees and employees of trans-national enterprises. Prerequisite: MG 305 or PERM/INTS.

MG 408G Operations Management (3-0-3) (S). 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. Prerequisite: GB 208, 366, MG 301.

MG 409G Decisions Analysis (3-0-3) (S). Decisions analysis tools such as probability assessment, utility theory, certainty models, uncertainty models, and Bayesian statistical inference. Emphasis will be on presenting the tools in actual business applications. Prerequisite: GB 208, MG 301.

MG 415 Collective Bargaining (3-0-3) (F/S). Materials and resources utilized in preparation for negotiations. Bargaining strategies and tactics are examined. Various methods of conflict resolution are explored, with an emphasis on the mediation and arbitration process. Administration of the negotiated agreement is also considered. Special attention is devoted to public sector bargaining. Prerequisite: MG 340, 330 or PERM/INST.

COURSE OFFERINGS

RE REAL ESTATE

LOWER DIVISION

RE 201 Fundamentals of Real Estate (3-0-3) (FS). Essentials of real estate practice, listings, sales, financing, land descriptions, investments, brokerage, advertising, market analysis and fundamentals arising from real estate transactions. This course exceeds the current minimum 30 hour classroom education requirement of the State of Idaho to take the RE sales examination.

RE 220 Law of Real Estate (3-0-3) (FS). Designed to review the laws establishing and governing basic rights of ownership and use of real estate. The concepts of the modern real estate transaction, the real estate brokerage business, and the various legal relationships involved are discussed. Prerequisite: GB 202 and RE 201.

UPPER DIVISION

RE 331 Appraisal of Real Estate (3-0-3) (FS). Modern real estate appraising concepts and the technical skills employed in their application to residential property. Prerequisite: RE 201.

RE 340 Real Estate Investment and Taxation (3-0-3) (FS). 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, 220 and FI 303.

RE 350 Real Estate Property Management (3-0-3) (F/S). This course explores role of property manager; including: market analysis, management plans, marketing, leases, landlord-tenant relations, maintenance, energy conservation, and operating reports for commercial, residential industrial and special purpose properties.

RE 360 Real Estate Finance (3-0-3) (F/S). Financial analysis and examination of the intricacies of the real estate mortgage markets, source of mortgage funds, federal government and mortgage markets, lending decisions, management of loan portfolios, leasing, construction financing, creative financing, and financing of specific types of real property. Prerequisite: RE 201, 220 and FI 303.

RE 370 Real Estate Development (3-0-3) (F/S). 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 concerns for problems.

RE 431 Appraisal of Income Properties (3-0-3) (F/S). Following a review of the steps leading to the estimation of net income, all prevalent methods and techniques of converting net income into an indication of value are fully covered. Direct capitalization, the residual techniques, and capitalization roles are analyzed. Prerequisite: RE 201, 331.

RE 450 Real Estate Brokerage Management (3-0-3) (F/S). Office administration, hiring and personnel management, brokerage sales and promotion, commission structure, ethical behavior and social responsibility, creative financing, professional organizations, and agency relationships. Prerequisite: RE 220, 331, 340, 360.

DEPARTMENT OF MARKETING AND MID-MANAGEMENT

Business Bldg., Rm 306

Phone 208/385-3356

Chairman and Professor: Dr. Duston R. Scudder; *Professor:* Knowlton; *Associate Professors:* Lane, Lincoln, McCain; *Assistant Professors:* Bahn, Naumann.

MARKETING MAJOR

Bachelor of Business Administration Degree

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
**General Psychology P 101	—	3
Mathematics M 105-106 or M 111-204	4	4
***Electives (Area I)	3	3
***Electives	3	3
Fund. of Speech Comm. (Area II) CM 111	3	—
	16	16

SOPHOMORE YEAR:

Intro Financial Accounting AC 205	3	—
Intro Managerial Accounting AC 206	—	3
Principles of Economics EC 201-202	3	3
**Intro to Sociology SO 101	3	—
Business Law I GB 202	3	—
Intro to Data Processing DP 210	—	3
Physical or Biological Science Electives	4	—

Applied Business Communications OA 238	—	3
Statistical Techniques I GB 207	—	3
	16	15

JUNIOR YEAR:

Principles of Marketing MK 301	3	—
Intermediate Microeconomics EC 303	3	—
Principles of Management MG 301	3	—
Principles of Finance FI 303	3	—
Economics Electives (Upper Division)	—	3
Marketing Electives	—	6
***Electives	6	—
Intermediate Marketing Mgmt. MK 320	—	3
Prin. of Prod. Management MG 345	—	3
	18	15

SENIOR YEAR:

*Advanced Marketing Mgmt. MK 425	—	3
Marketing Electives	6	—
Human Resource Management MG 401	—	3
Business Policies GB 450	—	3
Marketing Research MK 415	3	—
***Electives	8	6
	17	15

MARKETING CORE (12 hours)

Required for all Marketing Majors:

- Principles of Marketing MK 301
- Intermediate Marketing Management MK 320
- Marketing Research MK 415
- Advanced Marketing Management MK 425

MARKETING ELECTIVES (12 hours)

Choose any 4 of the following courses:

- Principles of Salesmanship MM 101
- Promotion Management MK 306
- Consumer Behavior MK 307
- Sales Administration MK 421
- Independent Study MK 496 or Internship MK 493
- International Economics EC 317

*See course descriptions for former course titles.

**Counts as part of the 6 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 2 of the 3 defined Areas I, II and III. Fundamentals of Speech Communication counts as 3 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 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.

TWO YEAR Programs*
FASHION MERCHANDISING**
MID-MANAGEMENT

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Intro to Business GB 101	3	—
Salesmanship MM 101	3	—
Clothing Construction HE 103	3	—
Business Math/Machines OA 115	3	—
Clothing and the Individual HE 107	—	2
Textiles HE 109	—	3
Elements of Management MM 105	—	3
Intro Financial Accounting AC 205	—	3
Mid-Mgmt. Practicum MM 100	—	2
Elective	1	—
	16	16

SOPHOMORE YEAR:

Consumer Marketing MM 201	3	—
Fashion Analy. & Design HE 111	2	—
Fund. of Speech Communication CM 111	3	—
Retail Buying MM 215	3	—
Mid-Mgmt. Practicum MM 100	2	2

Report Writing MM 209	3	—
Principles of Retailing MM 202	—	3
Principles of Advertising MM 203	—	3
Supervision of Personnel MM 206	—	3
Electives	—	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*

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Intro to Business GB 101	—	—
Business Math/Machines OA 115	—	3
Salesmanship MM 101	3	—
Intro Financial Accounting AC 205	—	3
Merchandise Analysis MM 102	—	3
Mid-Mgmt. Practicum MM 100	2	2
Elements of Management MM 105	3	—
Fund. of Speech Communication CM 111	3	—
Elective	—	1
	17	15

SOPHOMORE YEAR:

Consumer Marketing MM 201	3	—
Principles of Retailing MM 202	—	3
Principles of Economics, Macro EC 201	3	—
Principles of Advertising MM 203	—	3
Report Writing MM 209	3	—
Supervision of Personnel MM 206	—	3
Retail Buying MM 215	3	—
Credit and Collections MM 213	—	2
Mid-Mgmt. Practicum MM 100	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.

COURSE OFFERINGS

MK MARKETING

UPPER DIVISION

MK 301 Principles of Marketing (3-0-3). Marketing consists of identifying and interpreting wants and needs of people; selecting the particular wants and needs the organization will satisfy; determining the product, price, promotion, and place in a proper mix Prerequisite: Junior standing.

MK 306 Promotion Management (3-0-3) (F/S). A comprehensive approach to creating and implementing advertising and promotional activities. New issues of consumer research are emphasized and integrated with the promotional mix. The economic and social criticisms of advertising are stressed to insure that managers are aware of the ethical responsibilities inherent in the job.

MK 307 Consumer Behavior (3-0-3) (F/S). Theories of behavior related to purchase of goods or service are major areas of study. Individual as well as group reaction in social science research is evaluated.

MK 320 Intermediate Marketing Management (3-0-3) (F/S). Marketing principles and theories integrated with analytical and behavioral decision processes. Emphasis on problem and opportunity recognition, marketing strategies, planning and administering marketing programs. Consumer, industrial, institutional, and international markets considered.

MK 415G Marketing Research (3-0-3) (F/S). Theory and use of research for marketing decisions. Experience in formal research methodology by planning and conducting an actual research project.

MK 421 Sales Administration (3-0-3) (F/S). Management and integration of sales organizations, emphasizing recruiting, selection, training, supervision, compensation of salesmen. Stress also placed on coordination with other functional managers, ethics and social responsibilities of the sales manager.

MK 425 Advanced Marketing Management (3-0-3) (S). Case study analysis of marketing problems. Emphasis on problem definition, recognition of alternative solutions, decision criterion, and defense of a "best" solution.

COURSE OFFERINGS

MM MARKETING, MID-MANAGEMENT

LOWER DIVISION

MM 100 Mid-Management Practicum (2-0-2) (F/S). For students enrolled in the mid-management program. Student may earn 2 semester hours credit for a maximum of four semesters. This provides actual experience in retail, wholesale, or service field as a paid employee. Student is evaluated by both the employer and the program coordinator.

MM 101 Salesmanship (3-0-3) (F/S). A basic course in personal selling techniques as applied in working situations in the modern retail store, wholesaler, and manufacturer establishments, analysis of customer behavior and motivation; methods of creating customer attention, interest, desire and action. Special emphasis is given to ethical sales techniques.

MM 102 Merchandise Analysis (3-0-3) (S). 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.

MM 105 Elements of Management (3-0-3) (F/S). Principles of management related to the functions of planning, organizing, staffing, directing, and controlling are major topics in the course. Production is not considered. For associate degree students only.

MM 201 Consumer Marketing (3-0-3) (F). (Previously Introduction to Marketing). The study of activities by which goods and services flow from producer to ultimate consumer. Includes methods, policies, and evaluation of the various marketing institutions according to the function performed.

MM 202 Principles of Retailing (3-0-3) (S). 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.

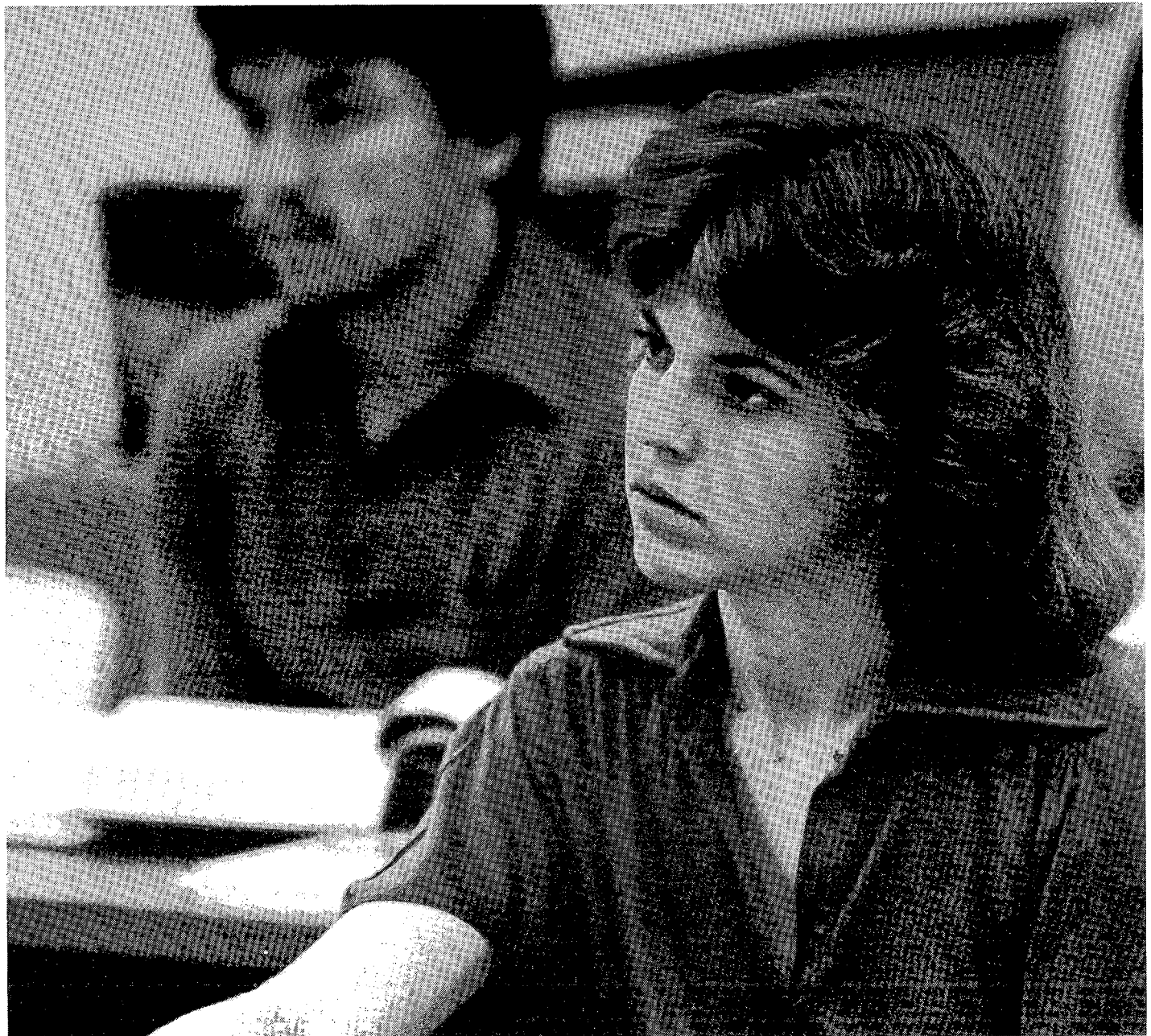
MM 203 Principals of Advertising (3-0-3) (S). Objectives and policies of sales promotion, study of the media, and regulation of advertising. Coordination of display, selling and other merchandising factors. Preparation of copy, illustrations, layout and display.

MM 206 Supervision of Personnel (3-0-3) (S). Major emphasis is given to the applied management functions of the first level supervisor. Individual and organizational needs are identified and discussed.

MM 209 Report Writing (3-0-3) (F). Prepares the student to write reports for business situations. Emphasis is placed on actual preparation of reports, research methods, and readability of the finished product.

MM 213 Credit and Collections (2-0-2) (S). 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.

MM 215 Retail Buying (3-0-3) (F). Considers the buyer's duties, techniques, and procedures of purchasing for resale, pricing of goods, and the interpreting of consumer demand.



PART VI



SCHOOL OF EDUCATION

Dean: Richard L. Hart, Ed.D
Associate Dean: Clyde Martin, Ed.D

PHILOSOPHY

The faculty of the School of Education represents diverse and dynamic backgrounds and serves students from an extended community reaching far beyond the boundaries of Idaho. The faculty addresses this extended community in varied functions both on and off campus. The work of the faculty reflects an active appreciation for development of the whole person and includes attention to the intellectual, physical, social and emotional needs of students. A key precept underlying all others is the promotion of learning as a lifelong activity.

Course work is offered in both professional and academic areas. The academic course work is designed to acquaint students with historical, philosophical, and theoretical aspects of Education and Psychology, and to help them appreciate and use scientific thinking as a tool for viewing human behavior in a more sophisticated and effective manner. Professional course work and experiences are directed primarily toward the mastery of skills needed by teachers in the elementary and secondary schools.

COORDINATION OF PROGRAMS IN TEACHER EDUCATION

Teacher Education programs at Boise State University are 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.

COUNSELING AND TESTING SERVICES

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

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

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION AND RECREATION

Gymnasium, Room 101 Phone 208/385-1570

Chairman and Professor: Dr. Bill C. Bowman; Professors: Button, Smith; Associate Professor: Lewis; Assistant Professors: P. Bowman, Boyles, Connor, Murray, Sweeney, Vaughn, Wallace, Young; Instructors: Fahleson, Pfeiffer, Emeritus: Westfall.

The Department of Health, Physical Education and Recreation offers a major in Physical Education with specialized options in Secondary Physical Education, Elementary Physical Education, Athletic Coaching, and Athletic Training. Students who complete the major program in one of the options are eligible to receive the Standard Secondary School Teaching Certificate issued by the State of Idaho. Physical Education minors are offered in Elementary Physical Education, Athletic Coaching, and Health Education.

FACILITIES

The Physical Education-Recreation area and all of its facilities are available for student and faculty use. Students are encouraged to participate in the intramural-extramural and club sports programs offered by the Department and the Recreation programs offered by the Student Union games area.

ELECTIVE PHYSICAL EDUCATION ACTIVITY PROGRAM

The Elective 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:

- To develop the physiological capacities that comprise the biological bases for fitness.
- To improve skills in basic body mechanics, team and individual sports, and in rhythmic and creative activities.
- To develop an understanding of self through movement experiences.
- To acquire knowledge and understanding of the rules, courtesies, customs, strategies, and techniques of several sports.
- To improve social competency and emotional stability through participation in sports activities.

The elective program includes beginning, intermediate and advanced level activities. No courses may be repeated for credit (exception, Adaptive Physical Education, PE 108).

EIGHT SEMESTER HOURS OF PHYSICAL ACTIVITY COURSES MAY BE COUNTED TOWARD GRADUATION.

ELECTIVE ACTIVITIES ARE:

Dance:

- International Folk Dance*
- Modern Dance*
- Recreational Dance*
- Social Dance

Fitness Activities:

- Adaptive Physical Education
- Fitness Activities
- Jogging
- Weight Training
- Yoga

Individual Sports:

- Archery*
- Badminton*
- Billiards
- Bowling*
- Fencing*
- Golf*

- Gymnastics*
- Racquetball
- Skiing
- Tennis*
- Martial Arts:
 - Defensive Tactics
 - Judo*
 - Karate*
 - Self Defense*
- Outdoor Recreational Activities:
 - Backpacking and Camping
 - Fly Casting and Fly Tying
 - Target & Trap Shooting
 - Bicycle Touring
 - Cross Country Skiing
 - Alpine Skiing
 - Ice Skating
- Team Sports:
 - Basketball*
 - Field Hockey*
 - Flag Football
 - Rugby
 - Soccer*
 - Softball
 - Team Handball
 - Track and Field
 - Volleyball*
- Water Activities:
 - Kayaking
 - Advanced Life Saving
 - Skin and Scuba Diving
 - Spring Board Diving
 - Swimming*
 - Water Polo
 - Water Safety Instruction

*More than one level of instruction is offered in this activity.

PHYSICAL EDUCATION MAJOR Bachelor of Science Degree

A student must complete the following requirements to receive a Baccalaureate degree in Secondary Physical Education:

- The general University requirements for the Bachelor of Science degree as listed in the BSU Catalog (page 29) with specific requirements in Areas I, II and/or III as determined by the Physical Education Department.
- The general graduation requirements of the School of Education and the certification requirements of the State Department of Education as listed in the BSU Catalog (page 99).
- The requirements of the Physical Education Department:
 - 27 credit core requirement.
 - All other required courses listed in the option of the student's choice.

PHYSICAL EDUCATION CORE REQUIREMENTS (Required of all Physical Education majors)

Health Education PE 100.....	3
Intro to Physical Education PE 101.....	1
First Aid PE 105.....	2
Basic Movement PE 113.....	1
Gymnastics PE 115.....	1
Field Sports PE 117.....	1
Resistance Training and Conditioning Procedures PE 149.....	1
Principles of Physical Education PE 202.....	2
Anatomical Kinesiology PE 230.....	2
Methods for Teaching Physical Education PE 304.....	2
Evaluation in Physical Education PE 309.....	3
Physiological Kinesiology PE 310.....	2
Psychology of Activity PE 401.....	3
Organization and Administration of Physical Education PE 457.....	3

**ATHLETIC TRAINER OPTION
GRADUATION REQUIREMENTS**
(Satisfies Educational for NATA Certification)

GENERAL UNIVERSITY REQUIREMENTS
 English Composition E 101-102..... 3-6
 Electives (Area I) 12
 General Psychology (Area II) P 101..... 3
 Speech Communication for Teachers (Area II) CM 311..... 3
 Electives (Area II) 6
 Essentials of Chemistry (Area III)
 C 107, 108, 109, 110..... 9
 Human Anatomy & Physiology (Area III) Z 111-112..... 8
 Electives (Area II, III)..... 3-4

PHYSICAL EDUCATION MAJOR REQUIREMENTS
 Physical Education Core..... 27
 Nutrition HE 207..... 3
 Additional Physical Education Courses
 Required: PE 228, 230, 305, 311, 402, 451
 PE 493 (6 cr), Coaching Methods (4 cr)..... 24

TEACHER EDUCATION REQUIREMENTS
 TE 201, 381, 481, P 312..... 15
 Electives..... 3
 Additional Electives..... 6
128

**SECONDARY PHYSICAL EDUCATION OPTION
GRADUATION REQUIREMENTS**

GENERAL UNIVERSITY REQUIREMENTS
 English Composition E 101-102..... 3-6
 Electives (Area I) 12
 General Psychology (Area II) P 101..... 3
 Speech Communication For Teachers
 (Area II) CM 311 3
 Electives (Area II) 6
 Preparation for College Chemistry (Area III) C 103..... 1
 Essentials of Chemistry (Area III) C 107-109..... 6
 Chemistry Lab (Area III) C 108-110..... 3
 Human Anatomy & Physiology (Area III) Z 111-112..... 8
 Electives (Area II, III)..... 3-4

PHYSICAL EDUCATION MAJOR REQUIREMENTS
 Physical Education Core..... 27
 Nutrition HE 207..... 3
 Additional Physical Education Courses
 Required: PE 143, 212, 214, 217, 228, 241, 311
 PE 361, 451, Coaching Methods (2 cr)..... 16

TEACHER EDUCATION REQUIREMENTS
 TE 201, 381, 481, P 312..... 15
 Electives..... 3
 Additional Electives..... 11
128

**ATHLETIC COACHING OPTION
GRADUATION REQUIREMENTS**

GENERAL UNIVERSITY REQUIREMENTS
 English Composition E 101-102..... 3-6
 Electives (Area I) 12
 General Psychology (Area II) P 101..... 3
 Speech Communication for Teachers (Area II) CM 311..... 3
 Electives (Area II) 6
 Preparation for College Chemistry (Area III) C 103..... 1
 Essentials of Chemistry (Area III) C 107..... 3
 Chemistry Lab (Area III) C 108..... 1
 Human Anatomy & Physiology (Area III) Z 107..... 4
 Electives..... 3-4
 Electives (Area II, III)..... 9

PHYSICAL EDUCATION MAJOR REQUIREMENTS
 Physical Education Core..... 28
 Nutrition HE 207..... 3
 Additional Physical Education Courses
 Required: PE 143, 212, 217, 228, 311, 430
 PE 493 Coaching Methods (4 cr) 15

TEACHER EDUCATION REQUIREMENTS
 TE 201, 381, 481, P 312..... 15
 Electives..... 3

SECOND TEACHING FIELD
 Department Certification Requirements
 in Minor Field to be satisfied..... 12
128

**ELEMENTARY PHYSICAL EDUCATION OPTION
GRADUATION REQUIREMENTS**

GENERAL UNIVERSITY REQUIREMENTS
 English Composition E 101-102..... 3-6
 Music Fundamentals (Area I) MU 101..... 2
 General Psychology (Area II) P 101..... 3
 Child Psychology (Area II) P 311..... 3
 Speech Communication for Teachers
 (Area II) CM 311 3
 Electives (Area II) 3
 Preparation for College Chemistry (Area III) C 103..... 1
 Essentials of Chemistry (Area III) C 107..... 3
 Chemistry Lab (Area III) C 108..... 1
 Human Anatomy & Physiology (Area III) Z 107..... 3-4
 Electives..... 3-4
 Electives (Area II, III)..... 9

PHYSICAL EDUCATION MAJOR REQUIREMENTS
 Physical Education Core..... 27
 Nutrition HE 207..... 3
 Additional Physical Education Courses
 Required: PE 143, 212, 357, 361, 369, 451
 PE 493 (3 credits) 14
 PE Electives..... 4

TEACHERS EDUCATION REQUIREMENTS
 TE 201, 291, 381, 461, P 312..... 21
 Additional Electives..... 13
128

ELEMENTARY PHYSICAL EDUCATION MINOR

First Aid PE 105..... 2
 Gymnastics PE 115..... 1
 Field Sports PE 117..... 1
 Basketball & Volleyball PE 143..... 1
 Track and Field PE 212..... 1
 *Anatomical Kinesiology PE 230..... 2
 *Physiological Kinesiology PE 310..... 2
 Dance for Children PE 367..... 2
 Elementary School Physical Education
 Methods PE 361..... 3
 Perceptual Motor Programs for Kindergarten
 & Special Education Teachers PE 369..... 2
 Adaptive & Corrective Physical Educ. PE 451..... 2
 Internship PE 493..... 3
22

ATHLETIC COACHING MINOR

First Aid PE 105..... 2
 Basic Movement PE 113..... 1
 Resistive Training and Conditioning
 Procedures PE 149..... 1
 Intro to Athletic Injuries PE 228..... 2
 *Anatomical Kinesiology PE 230..... 2
 *Physical Kinesiology PE 310..... 2
 Psychology of Activity PE 401..... 3
 Organization & Administration of Athletics PE 430..... 2
 Coaching Methods..... 4
 Internship PE 493..... 3
22

HEALTH EDUCATION MINOR

Health Education PE 100..... 3
 First Aid PE 105..... 2
 Anatomy and Physiology ZO 107..... 4
 Nutrition HE 207..... 3
 Adolescent Psychology P 312..... 3

SCHOOL OF EDUCATION

Personal & Public Health Problems PE 305	3
Electives	6
	24

Electives will be chosen from the following courses:

Drugs — Use and Abuse H 109	2
Man and the Environment B 200	3
Intro to Disease Conditions H 203	3
Chronic Illness: Impact & Outcome H 205	3
Abnormal Psychology P 301	3
Health Delivery Systems H 302	3

* Prerequisite: Z 107 Concepts of Human Anatomy

ELEMENTARY PHYSICAL EDUCATION AND COACHING OPTION (Suggested Program)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
General Psychology P 101	3	—
Chemistry C 103, 107, 108	5	—
Human Anatomy & Physiology Z 107	—	4
Intro to Physical Education PE 101	1	—
Health Education PE 100	3	—
First Aid PE 105	—	2
Professional Activities PE 113, 115, 117, 143	2	2
Electives (Area I)	—	3
Other Electives	—	3
	16-17	17
SOPHOMORE YEAR:		
Electives (Area I)	3	3
Electives (Area II)	3	3
Anatomical Kinesiology PE 230	2	—
Intro to Athletic Injuries PE 228	—	2
Principles of Physical Education PE 202	2	—
Foundations of Education TE 201	—	3
Professional Activities PE 217, 212	1	1
Teaching Minor	3	3
	14	15

SECONDARY PHYSICAL EDUCATION AND ATHLETIC TRAINING OPTION (Suggested Program)

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Chemistry C 103, 107, 108, 109, 110	4	4
Human Anatomy Z 111, 112	4	4
Intro to Physical Education PE 101	1	—
Health Education PE 100	—	3
Professional Activities PE 113, 115, 117, 143	2	2
	15	16
SOPHOMORE YEAR:		
Electives (Area I)	3	3
General Psychology P 101	3	—
Anatomical Kinesiology PE 230	2	—
Intro to Athletic Injuries PE 228	—	2
Principles of Physical Education PE 202	2	—
Foundations of Education TE 201	—	3
Professional Activities PE 217, 218 or 212	1	1
Electives	3	6
	14	15

COURSE OFFERINGS

PE PHYSICAL EDUCATION

LOWER DIVISION

PE 100 Health Education (3-0-3). Covers nutrition, diseases, health needs, services, drugs, family living and personality structure and development. Aids student adjustment toward effective functioning in a changing environment. Required of all PE majors.

PE 101 Introduction to Physical Education (1-0-1) (F). Orientation for an understanding of what is involved in the profession; duties of physical educators, professional preparation, services rendered, employment opportunities and certification requirements. Required of all PE majors.

PE 102 Beginning Kayaking (0-2-1). Covers safe handling, self rescue skills and helping or rescuing others. Basic skills of kayaking. Students must be able to maintain themselves in deep water, fully clothed, for 10 minutes.

PE 103 Introduction to Recreation (2-0-2) (S). Designed to acquaint the student with the growth and development of community recreation and its role in present day society.

PE 104 Target and Trap Shooting (0-2-1). Fundamental skills of air rifle and shotgun shooting. Sighting procedures, gun parts, care of equipment and safety are stressed. Shotgun trap loading is also taught. Students will furnish shotgun, shells and trap range fees.

PE 105 First Aid (2-0-2). 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.

PE 108 Adaptive Physical Education (0-2-1). Adaptive and corrective exercise programs to aid men or women who are unable to participate in a regular activity class. Course may correct or rehabilitate the physical problem and provide credit the student may not get in the regular program. The course may be repeated for credit.

PE 109 Beginning Jogging (0-2-1). Instruction and individual participation in beginning endurance running. The student will be pretested and placed into a level suitable to his/her capabilities as to age and condition. Designed to develop and maintain the cardio respiratory system.

PE 110 Team Handball (0-2-1). Participation in the sport of team handball. Emphasis is placed on the natural skills of running, jumping, throwing and catching. Basic offensive and defensive strategy and rules of the game will be taught.

PE 112 Beginning Billiards (0-2-1). For the beginning pocket billiards player. Instruction in basic fundamentals: cue selection, grip, stroke, bridge rules, position play and strategy. Class fee approximately \$10.

PE 113 Dance (0-2-1). Professional activities. Instruction and practice in dance. Required of all PE majors.

PE 115 Gymnastics (0-2-1). Professional activities. Instruction and practice in gymnastics. Required in some options.

PE 117 Field Sports (0-2-1). Professional activities. Instruction and practice in field sports. Required in some options.

PE 118 Personal Fitness and Weight Control (0-2-1) (F/S). Introduction to the essential components of total fitness with prescribed fitness programs for individual needs.

PE 119 Beginning Aerobic Dance (0-2-1) (F/S). Participation in aerobic dance for the development of cardiovascular and neuromuscular fitness.

PE 124 Beginning Racquetball (0-2-1). Participation will emphasize basic techniques and skills of racquetball with emphasis on playing procedures.

PE 125 Bicycle Touring (0-2-1). Proper techniques of bicycle touring. Bicycle anatomy, safety, care and maintenance, and riding techniques for fitness and skill are taught. Students must furnish bicycle.

PE 126 Beginning Ice Skating (0-2-1) (F/S). Participation in ice skating for development of basic skills. Lab fee.

PE 127 Beginning weight Training (0-2-1) (F/S). Men. Participation in progressive body-building and conditioning exercises with resistance for development of beginning skills and fitness.

PE 131 Beginning Springboard Diving (0-2-1). For the beginning diver. Basic dive movements, proper body alignment, and diving safety. Must be able to swim 50 yards.

PE 132 Skin and Scuba Diving (0-2-1). Beginning skin and scuba diving skills. Proper use of mask, fins and snorkel, mechanical use of equipment, safety techniques and panic control are stressed. Student must swim 400 yards crawl stroke in 12 minutes, tread water for 15 minutes and carry a 10 lb. weight 25 yards. Fee approximately \$35.

PE 133 Beginning Modern Dance (0-2-1). Opportunities for developing a sensitivity to the use of body movement, space, and time for creative expression. Improvement of flexibility, balance, coordination and relaxation by using modern dance techniques and movement exploration.

PE 134 Beginning Backpacking and Camping (0-2-1). Fundamental skills in backpacking and overnight camping. Includes choice and care of equipment, camping sites, basic outdoor cooking skills, and ecology in the outdoors. Students will furnish equipment and transportation.

PE 135 Beginning Karate (0-2-1). Presentation of techniques based on the theory of energy conservation. Exercises coordinating the mental and physical powers possessed by every human being. Students will furnish Gi.

PE 136 Flycasting and Stream Strategy (0-2-1). Techniques of flycasting, including single and double haul methods. Presentation of insect, minnow, and terrestrial imitations. Techniques of catching and releasing of warm water, cold water, and anadromous fishes. Students provide equipment and transportation.

PE 137 Beginning Resistance Exercise for Women (0-2-1) (F/S). Participation in resistance exercises for the development of individual fitness.

PE 143 Basketball and Volleyball (0-2-1). Professional activities. Instruction and practice in basketball and volleyball. Required in some options.

PE 149 Conditioning Procedures for Sports (0-2-1) (F/S). Professional activities. Instruction and practice in resistance training activities. Required of all PE majors. Prerequisite: PE 230.

PE 152 Beginning Swimming (0-2-1). Basic water safety, skills and knowledge; floating, bobbing, diving rhythmic breathing, treading water, and introduction to the crawl, side and elementary backstroke. For students who do not know how to swim.

PE 154 Beginning Yoga (0-2-1). Gentle yoga exercises of stretching and controlled breathing to promote good health and relief from tension. Emphasis on flexibility, balance, relaxation, meditation, and integration of body and mind.

- PE 161 Beginning Badminton (0-2-1).** Basic skills in badminton to encourage skill development, understanding and appreciation of the game.
- PE 164 Beginning Volleyball (COED) (0-2-1).** Participation in volleyball for development of fundamental skills, rules, and basic team strategy.
- PE 165 Beginning Basketball (0-2-1).** Women only. Participation in basketball for development of fundamental skills, rules, and basic team strategy.
- PE 166, 167 Varsity Participation (0-2-1).** Varsity/Club athletes only. Students may earn a maximum of 2 credits for participation on varsity athletic teams or club sports.
- PE 168 Beginning Basketball (0-2-1).** Men only. Participation in basketball for development of fundamental skills, rules, and basic team strategy.
- PE 169 Beginning Tennis (0-2-1).** Participation in tennis for development of fundamental skills, rules, and basic strategy.
- PE 172 Beginning Softball (0-2-1).** Participation in Softball for development of fundamental skills, rules, and basic team strategy.
- PE 173 Beginning Soccer (0-2-1).** Men only. Participation in soccer for development of fundamental skills, rules, and basic team strategy.
- PE 174 Beginning Judo (0-2-1).** Principles and philosophy of Judo and techniques of falling, throwing, and grappling. Students furnish Gi.
- PE 175 Beginning Self-Defense (0-2-1).** Defensive tactics of Aikido, Judo and Karate. Coordination of mind and body and nonaggressive application of laws of gravity and force. Improvement of coordination and condition of the participant. Students furnish Gi.
- PE 179 Rugby (0-2-1).** Men only. Participation in rugby for development of fundamental skills, rules, and basic team strategy.
- PE 180 Beginning Archery (0-2-1).** Provides the beginning archery student with fundamental techniques of archery; target, field clout, novelty, etc..
- PE 181 Beginning Golf (0-2-1).** Participation in golf for development of fundamental skills, rules and proper etiquette of the game. Green fees approximately \$10.
- PE 183 Beginning Handball (0-2-1).** Participation in handball for development of fundamental skills, rules, and basic strategy.
- PE 184 Recreational Dance (0-2-1).** Fundamentals of dance including: social (jitterbug, disco, polka, waltz, cha cha and others) folk, square, round dances and mixers.
- PE 188 Social Dancing (0-2-1).** Basic techniques of social dance, including waltz, cha cha, foxtrot, rumba, tango, lindy, and various novelty dances.
- PE 189 International Folk Dancing (0-2-1).** Techniques and application of basic steps and patterns used in folk dances from different countries.
- PE 190 Beginning Bowling (0-2-1).** Participation in bowling for development of fundamental skills, rules, handicaps and scorekeeping. Approximate \$10 fee.
- PE 191 Alpine Skiing (0-2-1) (S).** Basic skills and techniques of alpine skiing. Students furnish equipment, transportation, and fee for instruction.
- PE 192 Defensive Tactics (0-2-1).** Defense against one or more persons, arrest, control devices and individual and group tactics. Students furnish Gi. For criminology majors only.
- PE 193 Flag Football (0-2-1) (F).** Men only. Participation in flag football for development of fundamental skills, rules and basic team strategy.
- PE 194 Cross Country Skiing (0-2-1) (S).** Basic skills and techniques of cross-country skiing. Students furnish equipment, transportation, and instruction fee.
- PE 202 Principles of Physical Education (2-0-2).** Philosophy of physical education, role in general education, changing concepts and history and principles of physical education. Sophomore standing. Prerequisite: PE 101.
- PE 204 Advanced Weight Training for Competitive Athletes (0-2-1) (F/S).** Varsity athletes only. Participation in weight training programs specific to be selected sports.
- PE 207 Intermediate Bowling (0-2-1).** Participation in bowling for development of intermediate skills. Prerequisite: PE 190.
- PE 208 Beginning Gymnastics (0-2-1).** Men only. Participation in gymnastics for development of fundamental skills and spotting and safety techniques.
- PE 209 Advanced Self-defense (0-2-1).** Advanced defensive tactics of Aikido, Judo and Karate. Coordination of mind and body and non-aggressive application of laws of gravity and force. Students furnish Gi. Prerequisite: PE 175.
- PE 210 Advanced Judo (0-2-1).** Continuation of principles and philosophy of judo for seeking advanced degrees. Students furnish Gi. Prerequisite: PE 174.
- PE 212 Track and Field (0-2-1).** Professional activities. Participation in track and field for development of basic skills and techniques. Required in some options.
- PE 217 Wrestling (0-2-1).** Professional activities. Participation in wrestling for development of basic skills and techniques. Required in some options.
- PE 218 Rhythmic Gymnastics (0-2-1).** Professional activities. Participation in rhythmic gymnastics for development of basic skills and techniques. Required in some options.
- PE 221 Intermediate Springboard Diving (0-2-1) (S).** Intermediate dive movements, proper alignment and diving safety. Must be able to swim 50 yards. Prerequisite: PE 131.
- PE 224 Intermediate Racquetball (0-2-1).** Participation in racquet ball for development of intermediate skills. Prerequisite: PE 124.
- PE 225 Golf (0-2-1).** Recreational activities. Participation in golf for development of basic skills and techniques. Required in some options.
- PE 226 Intermediate Ice Skating (0-2-1) (F/S).** Participation in ice skating for development of intermediate skills. Lab fee. Prerequisite: PE 126.
- PE 227 Intermediate Weight Training (0-2-1) (F/S).** Men. Participation in progressive body-building and conditioning exercises with resistance for development of intermediate skills. Prerequisite: PE 127.
- PE 228 Introduction to Athletic Injuries (2-0-2).** Introduction to athletic training, care, prevention and rehabilitation. Role of the athletic trainer, qualifications and responsibilities as they relate to physical education and athletics. Sophomore standing. Prerequisite: PE 230.
- PE 230 Anatomical Kinesiology (2-0-2).** Structure and motion capabilities of the human musculoskeletal system, analysis of movement, muscular forces and surface anatomy. Sophomore standing. Prerequisite: C 107, Z 107 or Z 112.
- PE 233 Advanced Modern Dance (0-2-1).** Participation in advanced modern dance for development of flexibility, balance, coordination and movement control leading to dance choreography and production work. Prerequisite: PE 133.
- PE 235 Advanced Karate (0-2-1).** Participation in advanced karate for development of advanced skills and techniques. Students furnish Gi. Prerequisite: PE 135.
- PE 236 Introduction to Athletic Injuries (2-0-2) (F/S).** Introduction to athletic training, care, prevention and rehabilitation. The role of the athletic trainer, qualification and responsibilities as they relate to physical education and athletics; control and care of injuries.
- PE 237 Intermediate Resistance Exercise for Women (0-2-1) (F/S).** Participation in resistance exercises for the development of individual fitness. Prerequisite: PE 137.
- PE 241 Tennis and Badminton (0-2-1).** Professional activities. Participation in tennis and badminton for development of basic skills and techniques. Required in some options.
- PE 253 Beginning Gymnastics (0-2-1).** Women only. Basic skills for women on the trampolene, uneven parallel bars, balance beam, vaulting horse and in tumbling.
- PE 261 Intermediate Badminton (0-2-1).** Participation in badminton for development of intermediate skills and techniques. Prerequisite: PE 161.
- PE 264 Intermediate Volleyball (COED) (0-2-1).** Participation in volleyball for development of intermediate skills and techniques. Prerequisite: PE 164.
- PE 265 Intermediate Basketball (0-2-1) (S).** Men only. Participation in basketball for development of intermediate skills and techniques. Prerequisite: PE 165, 168.
- PE 269 Intermediate Tennis (0-2-1).** Participation in tennis for development of intermediate skills and techniques. Students furnish rackets. Prerequisite: PE 169.
- PE 273 Intermediate Gymnastics (0-2-1) (COED).** Participation in gymnastics for development of intermediate skills and techniques, performing combinations, compulsory and optional routines. Prerequisite: PE 208 or PE 253.
- PE 276 Advanced Soccer (0-2-1).** Men only. Participation in soccer for development of advanced skills, strategy and team play. Prerequisite: PE 173.
- PE 277 Advanced Weight Training (0-2-1) (F/S).** Men. Participation in progressive body-building and conditioning exercises with resistance for development of advanced skills and fitness. Prerequisite: PE 227.
- PE 279 Advanced Folk Dance (0-2-1).** Participation in folk dance for development of advanced skills.
- PE 281 Intermediate Swimming (0-2-1).** Participation in swimming for development of intermediate skills and techniques. Instruction in self rescue skills, games, diving and contests. Student must be able to swim 50 yards. Prerequisite: PE 152.
- PE 282 Advanced Lifesaving (0-2-1).** Participation in lifesaving skills. ARC course, including personal safety, self rescue and rescue training skills. Student must be able to swim 500 yards.
- PE 283 Water Safety Instructor's Course (0-2-2).** Review of courses the student is eligible to teach. Teaching methods and practice teaching. Leads to ARC WSI certificate. Must have ARC advanced lifesaving certificate and ARC swimmer level of skill.
- PE 285 Intermediate Golf (0-2-1).** Participation in golf for development of intermediate skills and techniques. Green fee approximately \$10. Prerequisite: PE 181.
- PE 286 Beginning Fencing (0-2-1).** Participation in fencing for development of basic skills and techniques.
- PE 287 Intermediate Fencing (0-2-1).** Participation in fencing for development of intermediate skills and techniques. Introduction to competitive fencing including judging and directing skills. Prerequisite: PE 286.
- PE 290 Advanced Bowling (0-2-1).** Participation in bowling for development of advanced skills and techniques. Fee approximately \$10. Prerequisite: PE 190.

UPPER DIVISION

- PE 303 Intramurals Organization (2-0-2).** Organizing, administering and officiating of intramural programs. Junior standing.
- PE 304 Methods for Teaching Physical Education (2-0-2).** Purposes and requirements of physical education programs; program planning, methods, and materials of instruction. Professional activities, 4 hours. Required of all PE majors.
- PE 305 School Health Problems and Methods (3-0-3).** Current issues and trends in health programming and education. Progressive health topic sequence with health related individual and social problems. Methods of teaching health. Junior standing. Prerequisite: PE 100.
- PE 309 Evaluation in Physical Education (3-0-3).** Basic mathematical concepts related to statistical analysis, philosophy of evaluation, construction, administration, and interpretation of tests. Junior standing. Required of all PE majors. Prerequisite: PE 304.
- PE 310 Physiological Kinesiology (2-0-2).** Effects of exercise and training on body systems and preparation of conditioning programs for specific activities. Junior standing. Prerequisite: PE 230.
- PE 311 Biomechanical Kinesiology (2-0-2).** Application of principles of mechanics and laws of physics in analyzing human movement and in teaching fundamental techniques of sports activities. Junior standing. Prerequisite: PE 230.
- PE 313 Conditioning Procedures for sports (0-2-1) (F/S).** Professional activities. Instruction and practice in all forms of conditioning procedures. (Required of all PE Majors) Prerequisite: PE 310.

SCHOOL OF EDUCATION

PE 319 Techniques of Coaching Football (2-0-2). Instruction in individual fundamentals, offensive and defensive play, strategy, and conditioning procedures for football. Junior standing.

PE 320 Techniques of Coaching Wrestling (2-0-2). Instruction in offensive and defensive wrestling, tactics, conditioning, meet and tournament management. Junior standing. Prerequisite: PE 217.

PE 323 Techniques of Coaching Basketball (2-0-2). Methods of coaching offense and defense, styles of play and basketball strategy. Junior standing. Prerequisite: PE 143.

PE 324 Techniques of Coaching Baseball (2-0-2). Team leadership and organization, selection and evaluation of personnel, practice organization, fundamentals, offensive and defensive strategies of baseball. Junior standing.

PE 327 Techniques of Coaching Track and Field (2-0-2). Theory and methods of coaching events in track and field and meet planning and organization. Junior standing. Prerequisite: PE 212.

PE 336 Techniques of Coaching Women's Gymnastics (2-0-2). Theory and methods of coaching gymnastics. Emphasis on progressions, safety and conditioning. Junior standing. Prerequisite: PE 115.

PE 341 Secondary School Dance Methods (2-0-2). Methods of teaching, social, folk, square, rounds, mixers and aerobic dance. Junior standing. Prerequisite: PE 113.

PE 357 Dance for Children (2-0-2) (S). Analysis of fundamentals, development of skills, and application of methods in teaching dance in kindergarten, special education and elementary schools. Junior standing.

PE 361 Elementary School Physical Education Methods (3-0-3). For elementary school teachers and elementary school physical education specialists. Emphasis on movement needs, analysis and development of skills and application of methods of instruction. Curriculum development. Junior standing.

PE 369 Perceptual Motor Programs for Kindergarten and Special Education Teachers (2-0-2) (F/S). Provides a skill background related to motor growth and development, identification, assessment, prescription, materials and instructional techniques for implementing individualized programs based on student needs. Prerequisite: PE 361.

PE 401 Psychology of Activity (3-0-3). Concepts of learning, value formation, motivation, emotion and stress related to skill learning, measurement and evaluation of psychological aspects. Junior standing. Prerequisite: PE 310.

PE 402 Athletic Training and Sports Medicine (3-0-3). Advanced theory and techniques of athletic training for professional athletic trainers. Prerequisite: PE 228, 310.

PE 430 Coaching — Nature of the Profession (2-0-2) (F/S). Nature of the coaching profession with emphasis on the functions of the coach in the interscholastic athletic program. Prerequisite: PE 304.

PE 451 Adapted Physical Education (2-0-2). Survey of common differences and divergencies of school children. Analysis of conditions and program development. Extent and limitations of teachers' responsibilities for improvement of conditions. Junior standing. Prerequisite: PE 230, PE 310.

PE 457 Organization and administration of Physical Education (3-0-3). Organization and administration of public school physical education, health education and sports programs. Prerequisite: PE 304.

PE 471 Techniques of Coaching Volleyball (2-0-2). Preparation in team organization, scheduling and facilities, coaching methods, drills and practice sessions and advanced team strategy. Prerequisite: PE 143.

PE 293, 493 Internship in Physical Education (0-6-1 to 6). Practicum field experience in physical education related areas. Practical experience utilizing theory and practice of the assigned activity in a school setting. Required in some options. Coaching methods class (PE 230, 310).

DEPARTMENT OF PSYCHOLOGY

Education Bldg., Rm 629

Phone 208/385-1207

Chairman and Professor: Phillips; *Professors:* Barsness, Callao, Dodson, Ison, Smith, Snow, Thurber, Torbet; *Associate Professors:* Downs, Nelson, Steger, Wilkinson; *Assistant Professor:* Chastain; Emeritus: Bronson.

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 coursework 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.

PSYCHOLOGY MAJOR

Bachelor of Arts or Bachelor of Science Degree

I. Lower Division Requirements:

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 Psychology	
P 201	3
Third Area II Field	3
3. Area III	18
Mathematics for the Life Science	
M 115-116	10
Concepts of Biology B 100	4
Concepts of Human Anatomy and	
Psychology Z 107	4

II. Upper Division Requirements

A. Psychology	25
1. Statistical Methods P 305	3
2. Experimental Psychology P 321	4
3. Psychological Measurement P 421	3
4. Learning P 441	3
5. Systems Seminar P 489	3
6. Electives in Psychology	9
B. Electives (Upper Division)	15

III. Free Electives

37-40
NOTE: Only 12 SPECIAL TOPICS credits may be used in meeting University core requirements.

*Excluding performance courses.

**Including performance courses.

PSYCHOLOGY MINORS

Psychology social science curriculum minor

(A phase of the Social Science Secondary Education Options in Economics, History, Political Science, and Sociology)

Required

General Psychology P 101	3
Abnormal Psychology P 301	3
Personality P 351	3
Psychology Electives (Upper Division)	6
	15

Certification Requirement

U.S. History	6
	21

Psychology—minor certification endorsement

General Psychology P 101	3
Abnormal Psychology P 301	3
Statistical Methods P 305	3
Personality P 351	3
Psychology Upper Division Electives	9
	21

**PSYCHOLOGY MAJOR
(Suggested Program)**

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
*English Composition E 101-102.....	3	3
Intro to Art, Drama, Music or Humanities.....	3	3
*Concepts of Biology B 100.....	4	—
*Concepts of Human Anatomy and Physiology Z 107.....	—	4
History of Western Civilization H 101, 102 ...	3	3
*General Psychology P 101.....	3	—
Electives.....	—	4
	16	17
SOPHOMORE YEAR:		
Literature.....	3	3
*Math for Life Sciences M 115, 116.....	5	5
Physical and Cultural Anthropology An 201, 202.....	3	3
*Physiological Psychology P 225.....	3	—
*Intro to Practice of Psychology P 201.....	—	3
Electives.....	4	3
	18	17
JUNIOR YEAR:		
*Statistical Methods P 305.....	3	—
*Experimental Psychology P 321.....	—	4
Digital Computer Programming EN 104.....	—	2
Child Psychology P 311.....	3	—
Adolescent Psychology P 312.....	—	3
Perception P 341.....	—	3
Electives.....	9	3
	15	15
SENIOR YEAR:		
*Psychological Measurement P 421.....	3	—
*Learning P 441.....	3	—
*Systems Seminar P 489.....	—	3
Abnormal Psychology P 301.....	3	—
Personality P 351.....	3	—
Social Psychology P 431.....	—	3
Electives.....	3	9
	15	15

*Specifically required

COURSE OFFERINGS

P PSYCHOLOGY

LOWER DIVISION

- P 101 General Psychology (3-0-3) (AREA II).** An introductory course in psychology and a prerequisite to most other psychology courses. Empirical findings are major concerns in the treatment of such topics as perception, learning, language, intelligence, personality, social interactions, and behavioral problems. An overview of scientific methodology is provided.
- P 151 Career and Life Planning (3-0-3) (FS).** Three weeks to each of the following areas: knowing self, the world of work, identifying resources, actual career planning and proposed implementation of career and life plans. Students are expected to participate through interviews, visitations and by arranging for resources pertinent to classroom activities. Pass/fail. Limited enrollment. Cannot be used for Area II.
- P 161 Assertiveness Training (3-0-3).** This course is designed to improve the communication skills of those who are experiencing difficulty in expressing their feelings and opinions openly, honestly, and constructively to others. Group techniques will include training films, behavioral rehearsals, and role-playing. Pass/fail. Limited enrollment. Cannot be used to meet Area II requirements.
- P 201 Intro to Practice of Psychology (3-0-3) (S).** An exposure to psychology as it is actually applied as professional practice in public and private settings. Direct interaction, through lecture and discussions, with psychologists who are employed in a wide variety of specific occupations. Designed for psychology majors but others accepted if they have completed the introductory course. Prerequisite: P 101.
- P 225 Physiological Psychology (3-0-3) (F).** A survey of classical and current problems, with emphasis on central and peripheral nervous systems in the processing of information and organization of behavior. Perception, motivation, emotion, and learning are studied from this point of view. Prerequisite: P 101, Z 107.
- P 261 Human Sexuality (3-0-3) (FS).** An overview of human sexuality emphasizing both physiological and psychological aspects of sexuality. Topics include sexual anatomy and physiology, sexual response cycle, childbirth, contraception, sexual dysfunction, sex role development, and sexual deviation. Cross cultural values will be examined, and a values clarification unit will be included.

P 291 Death: A Confrontation for Everyone (3-0-3) (F/S). A multifaceted course dealing with the subject of death and dying, its historical and social ramifications, and present impact on the nature of living.

UPPER DIVISION

- (Note: Upper Division Psychology courses are saved for Upper Division students.)
- P 301 Abnormal Psychology (3-0-3).** 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: P 101.
 - P 305 Statistical Methods (3-0-3) (FS).** Statistical concepts and methods commonly used in treatment of data in the social sciences. Topics covered will include: measures of central tendency and of variability, correlation measures, probability, and analysis of variance. Prerequisite: M 115.
 - P 311 Child Psychology (3-0-3).** A study of development and adjustment from conception to adolescence. Consideration will be given to both constitutional and environmental factors, to normal growth patterns, and to problem areas. Prerequisite: P 101.
 - P 312 Adolescent Psychology (3-0-3).** Chronologically a continuation of child psychology P 311; the special conditions of adolescent growth and adjustment will be emphasized in the course. Consideration will be given to maturational and social patterns, and to behavioral, learning, and other problem areas. Prerequisite: P 101.
 - P 321 Experimental Psychology (2-4-4) (FS).** The application of scientific methodology to the study of behavior. Design of experiments, methods of analysis and interpretation of data; reporting of behavioral research. Prerequisite: P 305 and M 115-116.
 - P 325 Educational Psychology (3-0-3).** A critical examination of some psychological concepts that have relevance to the process of education. Prerequisite: P 101.
 - P 341 Perception (3-0-3) (S).** A survey of the basic concepts in the psychology of perception. Present day research and findings from the human information processing approach are emphasized. Processes are stressed, although coverage of receptor structure and neural pathways is included. Prerequisite: P 101.
 - P 351 Personality (3-0-3) (F).** A study of the major contemporary theories and concepts of personality, with special emphasis on psychoanalytic, humanistic and behavioral approaches. Prerequisite: P 101.
 - P 353 Psychoanalytic Psychology (3-0-3) (S).** Human emotion and motivation from the points of view of Freudian theory and its derivatives. Suggested companion course—either earlier or late—P 351. Prerequisite: P 101. Alternate years.
 - P 357 Peer Counseling: The Helping Relationship (3-0-3) (F).** This course will explore relevant dimensions of the helping relationship, especially the role of the helper. Emphasis will be on developing effective communications and fundamental counseling skills through required student participation in role-playing, audio and especially videotaping and group activities. Limited enrollment. Prerequisite: P 101.
 - P 371 Social Psychology of Sex Roles (3-0-3) (S).** This course will examine sex roles in our own society. Attention will be given to the development of identity and roles, the social utility and rigidity of sex roles, the implications of sex roles for institutional policy and the effect of such policy on cultural change. This course may be taken for psychology or sociology credit but not for both. Prerequisite: P 101 or SO 101 and Upper Division status.
 - P 401 Senior Review Practicum (3-0-3) (FS).** A systematic coverage of the general principles of psychology and an opportunity to teach them to others. Practical experience in rendering academic assistance to beginning students and managing large classes. Seminar discussion of difficulties encountered by those students. Prerequisite: Senior or 2nd semester junior standing in psychology with an upper division GPA above 3.0 and PERM/INST.
 - P 405 Advanced Statistical Methods (3-0-3) (S).** Statistical concepts and methods commonly used in the treatment of data in the social sciences will be covered. These include advanced analysis of variance (including repeated measure designs) and related trend tests, multiple comparison tests, and multiple correlation techniques. Preference to psychology majors who are planning to go on to graduate school. Prerequisite: P 305.
 - P 421G Psychological Measurement (3-0-3) (F).** An introduction to the theory and nature of psychological measurement together with a survey of types of psychological tests currently used. Prerequisite: P 101, M 115-116 and P 305.
 - P 431 Social Psychology (3-0-3) (FS).** The influence of social and cultural factors on individual behavior, perception, and attitudes—including the effects of groups on their members. This course may be taken for either psychology or sociology credit, but not both. Prerequisite: SO 101, P 101 and upper division standing.
 - P 435 Psychology of Motivation (3-0-3) (F/S).** Survey of experimental and theoretical studies of motivation in humans and animals. Prerequisite: P 101, M 115-116, P 305.
 - P 441 Learning (3-0-3) (F).** Fundamental concepts of learning, with emphasis on recent developments in the field. Topics to be covered include: conditioning, rote learning, problem solving, memory, discrimination, and motor skills. Prerequisite: P 101, M 115-116, P 305, P 321, may be taken before or concurrently with P 441.
 - P 489 Systems Seminar (3-0-3) (S).** Theories and controversies in American Psychology. After a four-week historical orientation by the professor, the emphasis shifts to the present and more recent past, and the format shifts from lecture to seminar. Prerequisite: Senior standing in Psychology.
 - P 495 Senior Thesis (3-0-3) (F).** An individual research project in psychology selected by student. Proposal must be approved by instructor before enrolling. Recommended projects are those which will contribute to the body of psychological knowledge or will apply psychological principles to practical problems. Recommended for psychology students planning on graduate school. Prerequisite: P 101, M 115-116, P 305, P 321, PERM/INST.

DEPARTMENT OF TEACHER EDUCATION AND LIBRARY SCIENCE

Education Bldg., Rm. 205

Phone 208/385-3602

Chairman and Professor: John H. Jensen; *Professors:* Beitia, Bieter, Bullington, Dahlberg, Frederick, Friedli, Hart, Hill, Kirtland, Marks, Tucker, Young; *Associate Professors:* Bowman, Hess, Lambert, Martin, Sadler, Singh, Waite; *Assistant Professors:* Brownsmith, French, Lyons, Munns, Schlaefle.

The Department of Teacher Education and Library Science at Boise State University exists to improve instruction and enhance learning. The faculty believes this can best be accomplished through emphasis upon the preparation of elementary and secondary school teachers, and the provision of advisory and substantive services to persons who have instructional responsibilities or who wish to improve their learning skills.

To realize this principle the faculty members exemplify instructional excellence, remain current in their fields, and contribute to the knowledge about instruction and learning.

In addition to its course offerings, and closely related to its professional training programs, is the integrative and supervisory function of the Department of Teacher Education and Library Science in the total preparation of elementary and secondary school teachers and librarians.

The Department of Teacher Education and Library Science is responsible for planning and conducting the Teacher Education Program, which includes the preparation of school librarians as well as elementary and secondary teachers. The programs are outlined in accordance with the aims and general graduation requirements of the Idaho State Board of Education. The Department 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 educational work they plan to do.

MAJORS

Elementary:

Bachelor of Arts in Bilingual/Multicultural Elementary Education

Bachelor of Arts in Elementary Education

Options: Emphases are available in Early Childhood Education and Special Education; a minor is available in Library Science

Secondary: No secondary degrees are offered through the Department; students seeking secondary certification complete a Bachelor's degree in a content area and take professional secondary option coursework in the Department of Teacher Education and Library Science.

Graduate: A variety of elementary and secondary Master's programs are available through the Department. Check the Graduate School portion of the Catalog for details.

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 should 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 and Library Science. These requirements include:
1. Filing of the Admission to Teacher Education, or its equivalent.
 2. A minimum grade of C in TE 201, Foundations of Education, or its equivalent.
 3. Prior to registration in secondary or elementary methods courses and student teaching, students must demonstrate written and oral English proficiency. Written proficiency is determined by the English Qualifying Examination administered in TE 201, Foundations of Education. Students who do not pass the examination will be advised as to specific weaknesses and appropriate remediation. They will be given two retake opportunities. The first retake shall be completed within one calendar year of the first test; the second retake shall be completed no sooner than four months after the first retake. Students must provide evidence that the remediation suggestions have been followed. Transfer students must make arrangements with the Coordinator of Field Services to complete the examination. Oral English proficiency is demonstrated in an oral presentation and class participation in TE 201, Foundations of Education. Students who do not pass the oral proficiency will be advised as to specific weaknesses and what steps must be taken for remediation.
 4. Any deviations from the preceding policy must be approved by the Chairman of the Department of Teacher Education and Library Science.

ADMISSION TO STUDENT TEACHING AND GENERAL POLICIES

- A. An application for a specific student teaching assignment must be filed with the Office of Field Services, Department of Teacher Education and Library Science, by the following deadlines:
1. March 1 of the Junior year for fall secondary student teachers and fall/spring elementary student teachers.
 2. October 1 of the Senior year for spring secondary student teachers and spring/fall elementary student teachers.
- Application forms may be picked up from the Office of the Coordinator of Field Services.

NOTE: Six weeks notice will be required prior to the beginning date of the student teaching assignment if a student wishes to change semesters (elementary) or specific blocks (secondary).

- B. General requirements for admission to student teaching for elementary or secondary candidates include:
1. ELEMENTARY MAJOR
 - a. Admission to Teacher Education.
 - b. Recommendation by the faculty advisor or Department chairman.
 - c. A cumulative grade point average of 2.50.
 - d. Elementary Curriculum and Methods, TE 451, 452, taken concurrently with or prior to student teaching.
 - e. Student teaching to be completed during 2 consecutive semesters.

NOTE: An Early Childhood course must be taken prior to or concurrently with Student Teaching in a Kindergarten Classroom.
 - f. Senior standing.

NOTE: Deviations from the above requirements must be approved by the chairman of the Department of Teacher Education and Library Science.

2. SECONDARY OPTIONS*
- a. Admission to Teacher Education.
 - b. Completion of an Early School Experience, either in a subject matter area or arranged through the TE 201, Foundations of Education instructor.
 - c. Recommendation by the faculty advisor or the Department chairman.
 - d. A minimum grade point average of 2.50 in the major field, minor field if applicable, and the Education courses completed.
 - e. A minimum cumulative grade point average of 2.50.
 - f. Satisfactory completion (minimum grade of C) of TE 381, Secondary School Methods, and the appropriate class or classes in Special Methods for the teaching area.
 - g. Senior standing.
 - h. Sufficient credit hours in the assigned teaching area.

*Students with Secondary Options who are planning to graduate by the spring of 1982, may choose to fulfill the student teaching requirements as outlined in the 1980-81 BSU Catalog.

- C. Student teachers are expected to do responsible teaching, participate in cocurricular 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 requirements for admission to Teacher Education and Student Teaching, and complete at least 6-9 semester hours at the University before being placed in Student Teaching.
- E. Student Teaching can only be taken once (refer to PART II, ACADEMIC INFORMATION—Academic Regulations).

ELEMENTARY EDUCATION MAJOR
Bachelor of Arts Degree

Students preparing to teach in the elementary grades will major in Elementary Education and complete a program of studies approved by the chairman of the Department of Teacher Education and Library Science consisting of general and professional Education courses.

- A. **General University Requirements for BA Degree**
 - 1. English Composition E 101-102. 3-6
Note: E 101 may be exempt.
- B. **Area I Requirements** 12
 - 1. Literature (to include American Literature E 271 or 272 6
Second Field Electives (may be in Performance Field 3
 - 3. Third Field Electives. 3
NOTE: Choose Second and Third Field Electives from Art, Humanities, Music, Philosophy, Theatre Arts and Foreign Language (102 or higher).
- C. **Area II Requirements** 18
 - 1. U.S. History HY 151, 152, 251 or 252 3
 - 2. Geography GG 101 3
 - 3. Oral Communication Elective (CM 311 Recommended) 3
 - 4. Psychology P 101. 3
 - 5. Area II Electives. 6
NOTE: For certification purposes, Elementary Education majors must complete a total of 12 semester hours in Social Science areas other than Psychology and Communication.
- D. **Area III Requirements** 12
 - 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 3 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 major must have courses in both Biological Science and Physical Science.

- E. **Professional Education Requirements**
- 1. 100 LEVEL
 - a. Early School Experience TE 171 1
 - b. Mathematics for Elem. Teachers M 103-104 8
 - c. Music Fundamentals MU 101 2
 - 2. 200 LEVEL
 - a. Foundations of Education TE 201 3
 - b. Teaching Beginning Reading K-3, TE 206 3
 - c. Teacher Aide Practicum TE 271 2
 - d. Education of the Exceptional Child TE 291 3
 - 3. 300 LEVEL
 - a. Reading in the Content Subjects TE 307 3
 - b. Music Methods for the Elementary School Teacher MU 371 2
 - c. Elementary School Art Methods AR 321 3
 - d. Elementary School Physical Educ. PE 361 3
 - e. Children's Literature LS 316 3
 - f. Educational Psychology P 325 3
 - g. Child Psychology P 311 3
 - 4. 400 LEVEL
 - a. Elem. Curriculum & Methods I TE 451 5
 - b. Elem. Curriculum & Methods II TE 452 5
 - c. Elementary School Media I TE 410 1
 - d. Elementary School Media II TE 411 1
 - e. Elementary Student Teaching TE 471 5
 - f. Elementary Student Teaching TE 472 OR Student Teaching in Special Educ. TE 473 5
 - g. Senior Seminar Elementary Educ. TE 498 2
 - h. Senior Seminar Elementary Educ. TE 499 2

Suggested Program

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Concepts of Biology B 100	4	—
Physical Science C 100, GO 100, PS 100 or PH 105	—	4
Early School Experience TE 171	—	1
General Psychology (Area II) P 101	3	—
Elem. Mathematics for Teachers M 103, 104	4	4
Intro to Geography GG 101	—	3
Music Fundamentals MU 101	—	2
Electives (Area I)	3	—
	17	17
SOPHOMORE YEAR:		
Survey of American Literature E 271 or 272	3	—
Foundations of Education TE 201	—	3
U.S. History HY 151, 152, 251 or 252	—	3
Teaching Beginning Reading K-3, TE 206	—	3
Teacher Aide Practicum TE 271	2	—
Education of the Exceptional Child TE 291	3	—
Electives (Area II, III)	8	7
	16	16
JUNIOR YEAR:		
Reading in the Content Subjects TE 307	3	—
Elem. School Art Methods AR 321	—	3
Music Methods for the Elementary School Teacher MU 371	2	—
Elementary School Physical Educ. PE 361	—	2
Educational Psychology P 325	3	—
Children's Literature LS 316	—	3
Class in Oral Communication	3	—
Electives (consider Elem. Specialty)	5	8
	16	16
SENIOR YEAR:		
Child Psychology P 311	3	—
Elementary School Media I TE 410	1	—

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Elementary School Media II TE 411	—	1
Elem. Curriculum & Methods I TE 451	5	—
Elem. Curriculum & Methods II TE 452	—	5
Elementary Student Teaching TE 471	5	—
Elementary Student Teaching TE 472 OR		
Student Teaching Special Educ. TE 473	—	5
Senior Seminar Elementary Educ. TE 498	2	—
Senior Seminar Elementary Educ. TE 499	—	2
Electives	—	3
	16	16

ELEMENTARY BILINGUAL/MULTICULTURAL MAJOR
Bachelor of Arts Degree
LANGUAGE COMPONENT

SPANISH

Required:

English Monolinguals:

Elementary Spanish S 101, 102	8
Intermediate Spanish S 201, 202	8
	16

Spanish/English Bilinguals:

Spanish for the Native Speaker S 203	4
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ALL STUDENTS

Spanish Conversation & Comp. S 303, 304	6
El Espanol Vernacular S 205	2
Teaching Spanish as a First Language in	
the Elem. School S/TE 409	3
Panorama de la Tradicion Cultura	
Mexicana/Americana S 378	3
	14

TOTAL LANGUAGE HOURS FOR ENGLISH	
MONOLINGUALS	30
TOTAL LANGUAGE HOURS FOR BILINGUALS	18

Elective:

Espanol Avanzado S 411	3
Placement into the proper course will be made on the	
basis of placement test results in consultation with the	
Foreign Language placement advisors. Credit for	
previous work may be gained through regular Universi-	
ty challenge procedures.	

LINGUISTICS

Required:

Intro to Language Study LI 305	3
Applied Linguistics in English as a Second	
Language (ESL) LI 407	3
	6

ENGLISH

Required:

English Composition E 101, 102	6
TOTAL LANGUAGE COMPONENT — English	
Monolinguals	42
Bilinguals	30

MULTICULTURAL COMPONENT

Required:

Survey of American Literature E 271 or 272	3
Mexican American Literature S 425	3
	6
Introduction to Multi-Ethnic Studies SO 230	3
History of Minorities in the U.S. HY 261	3
Intercultural Communications CM 351	3
Cultural Anthropology AN 202	3
	12
Two multicultural courses to be selected from Anthropology,	
History, Political Science, Sociology, or Spanish offerings.	
NOTE: Check with advisor for acceptable courses	6
REQUIRED MULTICULTURAL COMPONENT	24

SCIENCE COMPONENT

Required:

Mathematics for Elem. Teachers M 103, 104	8
Concepts of Biology B 100	4
	12

Choose one of the following:

Concepts of Chemistry C 100	4
Fundamentals of Geology GO 100	4
Foundations of Physical Science PS 100	4
	4

REQUIRED SCIENCE COMPONENT	16
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PROFESSIONAL REQUIREMENTS

GENERAL EDUCATION:

Elementary School Art Methods AR 321	3
Children's Literature LS 316	3
Music Fundamentals MU 101	2
Public School Music MU 371	2
General Psychology P 101	3
Child Psychology P 311	3
Elementary School Physical Educ. PE 361	3
TOTAL GENERAL EDUCATION	19

TEACHER EDUCATION

Early School Experience TE 171	1
Foundations of Education TE 201	3
Teacher Aide Practicum TE 271	2
Reading in the Content Subjects TE 307	3
Teaching Reading & Language Arts in	
the Bilingual Classroom TE 453	3
Teaching Content in the Bilingual	
Classroom TE 454	3
Elementary Student Teaching in the	
Bilingual Classroom TE 474, 475	10
Conflict in the Educational System TE 498	2
TOTAL TEACHER EDUCATION	27
TOTAL PROGRAM HOURS — ENGLISH Monolinguals	128
Bilinguals	116

NOTE: Sufficient additional electives must be completed to meet the 128-hour graduation requirement.

Suggested Program

FRESHMAN YEAR:

*Elementary Spanish S 101	4
General Psychology P 101	3
English Composition E 101	3
Mathematics for Elem. Teachers M 103	4
Music Fundamentals MU 101	2
	16
*Elementary Spanish S 102	4
Mathematics for Elem. Teachers M 104	4
English Composition E 102	3
Concepts of Biology B 100	4
Early School Experience TE 171	1
	16

SOPHOMORE YEAR:

*Intermediate Spanish S 201	4
*Intro to Multi-Ethnic Studies SO 230	3
Fundamentals of Geology GO 100 OR	
Foundations of Physical Science PS 100	4
Cultural Anthropology AN 202	3
Foundations of Education TE 201	3
	17
*Intermediate Spanish S 201 OR	
Spanish for Native Speakers S 203	4
Survey of American Literature E 271-272	3
History of Minorities in U.S. HY 261	3
Teacher Aide Practicum TE 271	2
El Espanol Vernacular S 205	2
Reading in Content Subjects TE 307	3
	17

JUNIOR YEAR:

Spanish Conversation & Composition S 303	3
Intro to Language Study LI 305	3
Choice I from Multicultural Component List	3
Elementary School Physical Educ. PE 361	3
Elementary School Art Methods AR 321	3
Elective	1
	<u>16</u>
Spanish Conversation & Composition S 304	3
Child Psychology P 311	3
Children's Literature LS 316	3
Public School Music MU 371	2
Intercultural Communication CM 351	3
Choice II from Multicultural Component	3
	<u>17</u>

SENIOR YEAR:

Elementary Student Teaching Bilingual Classroom TE 474	5
Teaching Spanish as First Language S/TE 409	3
Teaching Reading & Language Arts Elementary Class TE 453	3
Panorama de la Tradicion Cultura Mexicana/Americana S 378	3
Conflict in Educational System TE 489	2
	<u>16</u>
Elementary Student Teaching Bilingual Classroom TE 475	5
Mexican American Literature S 425	3
Teaching Content Areas in Bilingual Classroom TE 454	3
Applied Linguistics in English as a Second Language LI 407	3
Elective	2
	<u>16</u>

*Required of monolingual students; bilingual students may replace with electives depending on results of English and Spanish proficiency tests.

AREAS OF SPECIALTY

Students in Education may select an area of specialty as a phase of the Elementary Education major or 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. Child Behavior in Early Childhood Educ. TE 461	3
2. Curriculum in Early Childhood Educ. TE 452	3
3. Individualizing Instruction in Early Childhood Education TE 464	3
4. Creating Materials in Early Childhood Education TE 465	3
5. Elementary Student Teaching at the Kindergarten Level TE 472	5
B. Elective Courses (minimum of 4 credit hours)	
1. Dance for Children PE 357	2
2. Perceptual Motor Programs for Kindergarten & Special Educ. Teachers PE 369	2
3. Education of the Exceptional Child TE 291	3
4. Techniques in Student Motivation & Classroom Management TE 371	3
5. Diagnosis of Mildly & Moderately Handicapped TE 430	3

6. Remediation of Mildly & Moderately Handicapped TE 431	3
7. Instructional Materials for the Exceptional Child TE 440	3
8. Independent Study TE 496	3

LIBRARY SCIENCE

In addition to general certification requirements, the training required for teacher librarians, at any grade level, shall be not less than 24 semester credit hours in the general field of Educational Media, 12 of which must be in the areas of Material Selection, Organization and Administration, Cataloging and Classification, Reference, and Bibliography. Students must be able to type.

Up to 6 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 Science instructor, for guidance in planning his undergraduate program. These basic courses which follow, however, will give suitable academic training for librarians in small public libraries in the area who are unable to afford graduate library schools:

Introduction to Use of Books & Libraries LS 101	2
Library Organization and Administration LS 301	3
References and Bibliographies LS 311	3
Children's Literature LS 316	3
Basic Book Selection LS 321	3
Cataloging and Classification LS 331	3
Audio Visual Aids in Education TE 356	2
Literature for the Adolescent LS 341	3

SPECIAL EDUCATION

Students desiring to teach exceptional children may enroll in one of the following programs and upon successful completion will meet requirements for Idaho Teacher Certification. Both programs have been designed to be pursued in a dual program with either the Elementary or Secondary Education major. The student should begin program planning as early as possible with the student's advisor and a consultant from Special Education, thereby providing continuity and elimination of possible obstacles. Several courses may be applied to a dual program and the student should plan accordingly. These programs are designed to meet Idaho Exceptional Child Certification standards which require a major of 30 credit hours in the desired area of certification.

A. GENERALIST — EDUCATIONALLY HANDICAPPED

This program enables a Special Education teacher to work with exceptional children who exhibit mild or moderate educational handicaps such as the mentally retarded, learning disabled, and emotionally disturbed, either in a resource room or a regular classroom.

1. Required Courses (24 Credit Hours)	
a. Education of the Exceptional Child TE 291	3
b. Techniques in Student Motivation & Classroom Management TE 371	3
c. Diagnosis of the Handicapped TE 430	3
d. Remediation of Mildly & Moderately Handicapped TE 431	3
e. Instructional Materials for the Exceptional Child TE 440	3
f. Elementary Student Teaching in Special Education TE 473	5
g. Senior Seminar in Elementary Special Education TE 499	2

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- h. Motor Programming for Kindergarten and Special Education Teacher PE 369 2
2. Elective Courses (minimum 6 credit hours)
- a. Corrective Reading in the Elem. School TE 358 3
 - b. Behavior Intervention Techniques TE 450G 3
 - c. Teaching Strategies for Behavior Disorders TE 425 3
 - d. Curriculum in Early Childhood Educ. TE 462 3
 - e. Individualizing Instruction in Early Childhood Education TE 464 3
 - f. Independent Study in Mental Retardation TE 469 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 (21 Credits)
- a. Education of the Exceptional Child TE 291 3
 - b. Techniques in Student Motivation & Classroom Management TE 371 3
 - c. Diagnosis of the Handicapped TE 430 3
 - d. Teaching the Moderately & Severely Handicapped TE 423G 3
 - e. Elementary Student Teaching in Special Education Classroom TE 473 5
 - f. Senior Seminar in Special Education TE 499 2
 - g. Motor Programming for Kindergarten and Special Education Teachers PE 369 2
2. Elective Courses (minimum 9 Credits)
- a. Instructional Materials for the Exceptional Child TE 440 3
 - b. Teaching Strategies for Behavior Disorders TE 425 3
 - c. Behavior Intervention Techniques TE 450G 3
 - d. Curriculum in Early Childhood Educ. TE 463 3
 - e. Individualizing Instruction in Early Childhood Education TE 464 3
 - f. Independent Study in Mental Retardation TE 469 3
 - g. Dance for Children PE 357 2

CERTIFICATION REQUIREMENTS FOR ELEMENTARY EDUCATION

Students from Boise State University will be recommended for an elementary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of the Bachelor of Arts degree in Elementary Education.
2. A satisfactory experience in student teaching as determined by the Department of Teacher Education and Library Science.
3. A recommendation by the Dean of the School of Education indicating that the candidate has the approval of the Department of Teacher Education and Library Science. Such approval is to be based primarily on evidence of knowledge of subject matter taught, demonstrated teaching techniques, and ability and attitude to work with students and adults.

NOTE: Students with previously earned degrees may follow a specialized program determined by the Department of Teacher Education and Library Science.

CERTIFICATION REQUIREMENTS AND ENDORSEMENTS FOR SECONDARY EDUCATION

Certification standards for the State of Idaho are listed in the Bulletin, *Idaho Certification Standards for Professional School Personnel-1980*, as prepared by the Idaho Department of Education.

A. Students from Boise State University will be recommended for a secondary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of Baccalaureate degree including Education requirements.
2. A satisfactory experience in student teaching as determined by the Department of Teacher Education and Library Science.
3. A recommendation by the Dean of the School of Education indicating that the candidate has the approval of the Department subject area specialization and the Department of Teacher Education and Library Science. Such approval is to be based primarily on evidence of knowledge of the subjects to be taught, demonstrated teaching techniques, and ability and attitude to work with students and adults.

NOTE: Students with previously earned degrees may follow specialized programs determined by the Department of Teacher Education and Library Science.

B. A standard secondary certificate may be issued by the State Board of Education to any person of good moral character who has a Bachelor's degree from an accredited college or university and meets the following requirements:

Idaho requires a minimum of 20 semester credit hours "in the philosophical, psychological, and methodological foundations of education, which must include not less than six semester credit hours of secondary student teaching."

These basic requirements are translated into the following required Boise State University courses.

	Single	Composite
Foundations of Education TE 201.....	3	3
Reading in Content Subjects TE 307.....	3	3
Educating Exceptional Secondary Students TE 333.....	1	1
Educational Psychology P 325.....	3	3
Secondary School Methods TE 381.....	3	3
Special Methods required by		
Major Department.....	3	3
Student Teacher Alternatives.....	9	14
(See Below)	25	30

Student Teaching Alternatives

1. **Single Alternatives**
 - a. Junior High/Middle School Student Teaching TE 482..... 8
 - The Junior High/Middle School TE 486..... 1
 - b. Senior High School Student Teaching TE 483..... 8
 - The Senior High School TE 487..... 1
2. **Composite Alternative**
 - The Junior High/Middle School TE 482..... 1
 - Composite-Junior High/Middle School Student Teaching TE 484..... 6
 - Composite-Senior High School Student Teaching TE 485..... 6
 - The Senior High School TE 487..... 1

NOTE: The above alternatives all lead to a standard secondary certificate (grades 7-12), and offer a variety of student teaching experiences. Alternative "1.a." provides for a Junior High/Middle School experience. Alternative "1.b." provides for a Senior High School Experience. Alternative "2." provides for a combination of Junior High/Middle School and Senior High School experiences. Students should consider alternative "2." if their teaching fields are applicable to both the junior and senior high school level. It is highly desirable to discuss such alternatives with the major advisor and with a member of the Secondary Education faculty in the Department of Teacher Education and Library Science well in advance of applying for student teaching.

Students may complete the student teaching requirements in either the fall or spring semester of their senior year. The ad-

visor should be consulted as to the better time based upon offerings in the major field and other considerations.

Student teaching is scheduled through the Office of the Coordinator of Field Services in the Department of Teacher Education and Library Science. See **ADMISSION TO STUDENT TEACHING AND GENERAL POLICIES** for specifics regarding student teaching.

- C. To be recommended for certification from Boise State University, the student must complete the Secondary Option degree program within a selected department. Such completion represents a major certification endorsement (at least 30 credit hours) in a teaching field. It is highly recommended that the student complete a minor certification endorsement of at least 20 credit hours in another field as an additional minor certification endorsement enhances the opportunity for employment.

The major certification endorsements (Secondary Option degree programs) are described in the Catalog under each department. A listing of the Secondary Options follows: Art, Biology, Business Education, Chemistry, Communication, Earth Science, Economics-Social Science Secondary Education, Mathematics, Music, Physical Education, Physics, Political Science-Social Science Secondary Education, Sociology-Social Science Secondary Education, and Theatre Arts.

- D. A listing of the Boise State University minor certification endorsements* is included for the convenience of students:

Requirements for Minor Certification Endorsements

*NOTE: Minor certification endorsements may be recognized by the State of Idaho in areas other than those included in this listing. Check with the Office of Field Services for further information.

ART:

Introduction to Art AR 103	3
Basic Design AR 105-106	4
Drawing AR 111, 112	2
Painting AR 113, 114	2
2 hours from: Sculpture, Metalsmithing	
Ceramics, Methods in Craft	2
Electives from 100-400 Regular Courses	7
Suggested Electives: Art History, Lettering, Photography, Printmaking, Weaving, and those listed above	
	<u>20</u>

BIOLOGY:

Essentials of Chemistry C 107	3
Chemistry Laboratory C 108	1
Essentials of Chemistry C 109	3
Chemistry Laboratory C 110	2
General Biology B 101-102	8
Genetics B 343	3
Genetics Laboratory B 344	1
Microbiology B 205	4
	<u>25</u>

BUSINESS EDUCATION:

(No Minor Certification Endorsement)

CHEMISTRY:

100 Level General Chemistry Courses	8-10
Organic Chemistry Courses	5
Additional Courses in Analytical, Physical, Inorganic or Biochemistry	4
Mathematics to the M 111 Algebra and Trigonometry Level	5
	<u>22-24</u>

COMMUNICATION: (Speech)

Fundamentals of Speech CM 111	3
Reasoned Discourse CM 112	3
Communication Process CM 221	3
Speech-Communication for Teachers CM 311	3
Methods of Teaching Communication CM 401	3
Electives selected from:	5
	<u>20</u>

Mass Communication CM 171	3
Oral Interpretation CM 241	3
Communication in the Small Group CM 251	3
Interviewing CM 307	2
Message Analysis and Criticism CM 331	3
Non-Verbal Communication CM 341	2
Intercultural Communication CM 351	3

CONSUMER EDUCATION:

(See Business Education Department)

Consumer in the Marketplace HE 250	3
Principles of Economics EC 201-202	6
Personal Finance and Investments FI 108	3
Money and Banking EC 301	3
Basic Marketing Management MK 301	3
Consumer Education in Schools BE 411	3
	<u>21</u>

EARTH SCIENCE:

Physical Geology GO 101	4
Historical Geology GO 103	4
Introduction to Ocean Geology GO 201	3
Introduction to Meteorology GO 213	3
Introduction to Descriptive Astronomy PH 105	4
Electives selected from:	3
	<u>21</u>
Geology of Idaho & Pacific NW GO 111	3
Mineralogy GO 221	4
Geomorphology GO 313	3
Invertebrate Paleontology Physics of the Earth GO 351	3
Environmental Geology GO 511	3

ECONOMICS:

Principles of Macroeconomics EC 201	3
Principles of Microeconomics, Micro EC 202	3
Intermediate Microeconomics EC 303	3
Intermediate Macroeconomics EC 305	3
Upper Division Economics Courses	9
	<u>21</u>

ENGLISH:

Advanced Composition	3
Linguistics	3
Survey of American Literature E 271 or 272	3
Teaching English Composition E 301 OR Methods of Teaching Secondary School English E 381	3
Lower Division Literature E 230, 235, 240, 260, 215	6
Upper Division Literature	6
	<u>24</u>

FOREIGN LANGUAGE:

French:

Demonstrate competency equivalent to the completion of Elementary French F 101-102, and Intermediate French F 201-202, by completing the courses or by examination.	
Complete 21 Upper Division Credits	
French Composition & Conversation F 303-304	6
French Culture & Civilization F 376-377	6
Teaching Methodology in Foreign Language FL 412	3
French Literature	6
Competency Examination Required	
	<u>21</u>

German:

Demonstrate competency equivalent to completion of Elementary German G 101-102, and Intermediate German G 201-202, by completing the courses or by examination.	
Complete 21 Upper Division Credits	
Advanced German Conversation & Composition G 303-304	6
German Culture & Civilization G 376-377	6
Teaching Methodology in Foreign Language FL 412	3
Upper Division German Literature	6
	<u>21</u>

SCHOOL OF EDUCATION

Spanish:

Demonstrate competency equivalent to completion of Elementary Spanish S 101-102, and Intermediate Spanish S 201-202, by completing the courses or by examination.

Complete 23 Upper Division Credits

Advanced Spanish Conversation and Composition S 303-304	6
Cultura y Civilizacion Espanola y Hispano-Americana S 376-377	6
Applied Linguistics S 410	2
Teaching Methodology in Foreign Language FL 412	3
Upper Division Spanish Literature	6
Competency Examination Required	
	<u>23</u>

GEOGRAPHY:

Introduction to Geography GG 101	3
Cultural Geography GG 102	3
Upper Division Geography (minimum)	6
Geography Courses (minimum)	8
	<u>20</u>

GENERAL SCIENCE:

Complete the basic sequence of courses in

B 101-102 or BT 130 and Z 130	8-9
Chemistry C 107, 108, 109, 110	9
Geology GO 101-103	8
Physics PH 101-102	8
	<u>33-34</u>

HEALTH EDUCATION:

Health Education PE 100	3
First Aid PE 105	2
Anatomy and Physiology ZO 107	4
Nutrition HE 207	3
Adolescent Psychology P 312	3
Personal & Public Health Problems PE 305	3
Electives from the following:	6
Drugs, Use and Abuse H 109	2
Man and the Environment B 200	3
Intro to Disease Conditions H 203	3
Chronic Illness: Impact & Outcome H 205	3
Abnormal Psychology P 301	3
Health Delivery Systems H 302	3
	<u>24</u>

HISTORY:

Lower Division	12
U.S. History HY 151-152 or Problems in U.S. History HY 251-252	6
Western Civilization or Problems in Western Civilization HY 101-102-103	3
American Government (State-Required)	3
Upper Division Courses to include 3 credit hours of U.S. History with remaining 9 credit hours selected from 2 or 3 major History areas (U.S., European, Third World)	12
	<u>24</u>

MATHEMATICS:

Digital Computer Programming M 122, 124	2
Calculus M 204, 211	5
Calculus M 205, 212	4-5
At least 1 of the following	3-4
Introduction to Abstract Algebra M 302	3
Number Theory M 306	3
Foundations of Geometry M 311	3
Fundamentals of Statistics M 361	4
Electives to complete 20 hours	6-4
	<u>20-20</u>

MUSIC:

Instrumental Track:

Materials of Music MU 119-120	8
Ear Training MU 121-122	2
Introduction to Music MU 133	3

Basic Conducting MU 261	1
Orientation to Music Education MU 271	1
1 year Applied Music	4
1 year Major Performance Ensemble	2
String Instrument Methods & Techniques MU 257	2
Woodwind Methods & Techniques MU 266	2
Instrumental Conducting MU 366	1
Percussion Methods & Techniques MU 368	2
Brass Methods & Techniques MU 369	2
Band & Orchestra Methods & Materials MU 387	2
	<u>32</u>

Choral Track:

Materials of Music MU 119-120	8
Ear Training MU 121-122	2
Introduction to Music MU 133	3
Vocal Techniques MU 256	2
Basic Conducting MU 261	1
Orientation to Music Education MU 271	1
1 year Applied Music (Major Instrument)	4
1 year Major Performance Ensemble	2
1 year Applied Music (Voice or Piano)	4
Choral Conducting MU 365	1
Choral Methods and Materials MU 385	2
	<u>30</u>

PHYSICAL EDUCATION:

Elementary Physical Education:

First Aid PE 105	2
Gymnastics PE 115	1
Field Sports PE 117	1
Basketball and Volleyball PE 143	1
Track and Field PE 212	1
Anatomical Kinesiology PE 230	2
Physical Kinesiology PE 310	2
Dance for Children PE 357	2
Motor Programming for Kindergarten and Special Education Teachers PE 369	2
Elementary School Physical Educ: Methods PE 361	3
Adaptive & Corrective Physical Educ. PE 451	2
Internship PE 493	3
	<u>22</u>

Secondary Physical Education:

Health Education PE 100	3
First Aid PE 105	2
Basic Movement PE 113	1
Gymnastics PE 115	1
Field Sports PE 117	1
Resistive Training & Conditioning Procedures PE 149	1
Principles of Physical Education PE 202	2
Track and Field PE 212	1
Anatomical Kinesiology PE 230	2
Methods for Teaching Physical Educ. PE 304	2
Physiological Kinesiology PE 310	2
Organization and Administration of Physical Education PE 457	3
Internship PE 493	3
	<u>24</u>

PHYSICS:

General Physics PH 101-102	8
Introduction to Descriptive Astronomy PH 105	4
Introduction to Biophysics PH 207	4
Technical Drawing EN 101 OR Engineering Fundamentals EN 107	2
Digital Computer Programming EN 104	2
Math Skill Equivalent to M 111	5
	<u>25</u>

POLITICAL SCIENCE:

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

American History	6
Political Science Electives (Upper Division)	3
	<u>21</u>

PSYCHOLOGY:

General Psychology P 101	3
Abnormal Psychology P 301	3
Statistical Methods P 305	3
Personality P 351	3
Psychology Upper Division Electives	9
	<u>21</u>

SOCIOLOGY:

Introduction to Sociology SO 101	3
Social Statistics SO 310	3
Social Research SO 311	3
History of Sociology SO 401 OR	
Current Sociological Perspectives SO 402	3
Sociology Electives	9
	<u>21</u>

THEATRE ARTS:

Technical Theatre TA 117-118	8
Acting TA 215	3
Major Production Participation TA 331	1
World Drama TA 341, 342, 353	3
Directing TA 491	3
Theatre History TA 421 or 422	3
	<u>21</u>

SPECIAL EDUCATION

Students wishing to pursue a program leading to certification as a Special Education teacher will need to arrange consultation with a Special Education faculty member in the Department of Teacher Education and Library Science. The student wishing to pursue such a plan should investigate this option as early as possible since a minimum of thirty (30) credits will be required in the program leading to certification.

**GRADUATE PROGRAMS
IN
EDUCATION**

A Master of Arts in Elementary Education is offered through the Department of Teacher Education and Library Science. The candidate may select from 5 areas of emphasis: (1) Curriculum and Instruction, (2) Content Enrichment, (3) Early Childhood, (4) Reading, and (5) Special Education. The specifics of the programs are presented in the Graduate School Section of this Catalog.

A Master of Arts/Science in Secondary Education is offered by the Department of Teacher Education and Library Science in cooperation with participating departments of the University. The areas of emphasis are: Art, Business Education, Earth Science, English, History, Mathematics, and Music. The specifics of the programs are presented in the Graduate School Section of this Catalog.

SERVICES

PLACEMENT

A teacher Placement Service is provided by the Boise State University Career and Financial Services Office. Check with the Director regarding eligibility to use this service and procedures for doing so.

READING EDUCATION CENTER

The Center provides special services for University and public school students with specific problems in reading.

Faculty members, public school teachers and parents may seek assistance from the Reading Education Center for students who need diagnosis followed by planned instruction for improvement.

COURSE OFFERINGS

LS LIBRARY SCIENCE

LOWER DIVISION

LS 101 Introduction to Use of Books and Libraries (2-0-2) (F). 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.

LS 102 Basic Library Skills (0-2-1) (FS). An independent self-paced course in library skills including resources common to academic libraries in general and to facilities in the Boise State University Library, in particular. Designed for incoming students who are not familiar with an academic library and for returning students who have had difficulty using the college library in the past.

UPPER DIVISION

LS 301 Library Organization and Administration (3-0-3) (F). 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.

LS 311 References and Bibliographies (3-0-3) (F). 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. Especially recommended for secondary teachers.

LS 316 Children's Literature (3-0-3) (FS). Selection, wide reading, and evaluation of books appropriate for children, including emphasis upon the interests and needs of ethnic minorities. Required of elementary education majors and elementary school librarians. Recommended for public librarians, parents, and all who work with children.

LS 321 Basic Book Selection (3-0-3) (S). Principles and techniques for evaluating and selecting library materials; introduction to reviewing media and to basic tools for selecting and acquiring all types of book and non-book materials. Includes discussions of discarding and weeding, and materials for slow and gifted readers. Especially recommended for secondary teachers.

LS 331 Cataloging and Classification (3-0-3) (S). Introduction to the theory and principles of classification and cataloging of 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.

LS 341 Literature for Adolescents (3-0-3) (S). 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.

COURSE OFFERINGS

TE TEACHER EDUCATION

LOWER DIVISION

TE 108 Efficient Reading and Effective Study Skills (2-0-2) (FS). Develops the reading and study skills of the college students. Areas covered are organized study techniques, taking exams, building vocabulary, comprehending reading material, gaining main ideas, using the library, and reading rapidly and flexibly.

TE 171 Early School Experience (1-1-1) (FS). An experience in a school 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.

TE 201 Foundations of Education (3-0-3). A general introductory course in education to provide the student familiarity with the teaching profession. Components of the class include social, cultural, philosophical, and historical perspectives of education. In addition, an attempt is made to inspect current educational issues and problems as they relate to the four basic components.

TE 206 Teaching Beginning Reading, K-3 (3-0-3) (FS). Explores the professional responsibilities of the reading teacher, synthesizes current approaches to beginning reading instruction, and provides knowledge and skills for implementing reading instruction from kindergarten through grade three.

TE 271 Teacher Aide Practicum (1-3-2) (FS). Provides an opportunity for students to become familiar with practical problems of teaching. Included are two one-hour orientation meetings, seminars with a university professor and 40 hours of direct "aiding" experience in an elementary, special education, or pre-school classroom. Prerequisite: TE 171.

TE 291 Education of the Exceptional Child (3-0-3). All areas of exceptionality will be explored as to the educational and psychological needs of these children. Implications for the cooperative involvement of the public school system and other community agencies will be included in attempting to investigate all alternatives to the education of the exceptional. Prerequisite: TE 171.

UPPER DIVISION

TE 307 Reading in the Content Subjects, Elementary and Secondary Levels (3-0-3) (FS). Provides an understanding of reading as a communication skill, and stresses the responsibility of teachers to teach the vocabulary of their specific discipline. Focuses upon the commonality of reading and study skills in all content subjects and the application of appropriate skills to the various content fields.

TE 333 Educating Exceptional Secondary Students (1-0-1) (FS). The course is designed to acquaint prospective secondary teachers with the educational needs of secondary students identified as exceptional. Emphasis shall be placed upon classroom teaching models that enhance learning by special students.

TE 356 Production of Audio Visual Materials (2-2-2) (FS). 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 operating the equipment involved.

TE 358 Corrective Reading (3-0-3) (SSU). A study of reading difficulties of elementary or secondary school pupils with emphasis upon diagnosis, and upon materials and methods of teaching. Opportunity is offered to consider learning disabilities related to

SCHOOL OF EDUCATION

ethnic and cultural differences by tutoring an elementary or secondary school pupil for approximately 20 sessions. Prerequisite: TE 204.

TE 371 Techniques in Student Motivation and Classroom Management (3-0-3) (FS). 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.

TE 381 Secondary School Methods (3-0-3). A study of the secondary school including methods and materials. Application is made to the students' teaching areas. Must be taken prior to student teaching. Prerequisite: TE 201, Admission to Teacher Education.

TE 393 Beginning Driver Education (2-1-2) (F). Designed to aid teachers in the instruction of beginning drivers, and in the use of dual controlled automobiles. It includes the functioning of the vehicle, its proper operation, and traffic control safety.

TE 394 Advanced Driver Education (2-1-2) (S). Designed to provide advanced preparation in principles and practices of driver and traffic safety education for teachers, supervisors, and administrators. Prerequisite: TE 393.

TE 395 General Safety Education (3-0-3). Provides a comprehensive survey of general safety education, applied to all fields in general but to public schools in particular. Includes the study of accidents, safety, accident prevention, and the school's role in safety relative to other public and private agencies.

TE 410 Elementary School Media I (1-1-1) (F). First semester of two semesters. Emphasizes media production for the elementary teacher and basic experiences in the areas of illustration, preservation, lettering, and coloring of instruction materials in addition to the operation of audio-visual equipment commonly found in the elementary classroom.

TE 411 Elementary School Media II (1-1-1) (S). Second semester of two semesters. 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. Prerequisite: TE 410.

TE 421 Teaching Strategies for the Mentally Retarded (3-0-3) (S). Survey and identification of teaching methods utilized in classroom teaching of all levels of retardation. Prerequisite: TE 291.

TE 422 Curriculum for the Moderately/Severely Handicapped. (3-0-3) (F). This course is designed to acquaint students with a systematic approach to conduct assessment and curriculum planning for the moderately/severely handicapped student. Such areas as severe mental retardation, multiple handicaps, and severely emotionally disturbed will be studied in this course. Prerequisite: TE 291, 430.

TE 423G Teaching the Moderately and Severely Handicapped (3-0-3) (S). This course is designed to assist students in gaining skills necessary for teaching the moderately and severely handicapped. Updating of information and skills relative to research in this area will be given high priority. Students will be required to read recent literature and participate in classroom activity. Prerequisite: TE 422.

TE 425 Teaching Strategies for Behavior Disorders (3-0-3) (S). Provides strategies for instructing students with behavior disorders. Students will examine research, participate in classroom projects, and field test preferred curriculum models. Prerequisite: TE 430 or PERM/INST.

TE 430 Diagnosis of the Handicapped (3-0-3) (F). Provides for the development of skills in identification and diagnosis of students referred for evaluation.

TE 431 Remediation of the Mildly/Moderately Handicapped (3-0-3) (S). Provides the participants with an opportunity to develop the necessary skills in remedial planning for the exceptional student, through the development of long term objectives and the individual instructional plan required for effective remediation. Prerequisite: TE 430 or PERM/INST.

TE 440 Instructional Materials for the Exceptional Child (3-0-3) (F). Development of techniques in the evaluation and utilization of instructional materials and equipment by teachers of exceptional children will be the emphasis of this course. A survey and use of those materials available in the Boise State Curriculum Resource Center as well as those available in local school districts will provide the materials base.

TE 450G Behavior Intervention Techniques (3-0-3) (S). This course is designed for teachers, counselors, and administrators to gain an understanding of the principles of behavior and the application of behavioral analysis procedures. The major emphasis will be based upon the Learning Theory Model. Development of an intervention strategy to deal with the relationship of behavior to the environment will be stressed. Prerequisite: TE 291.

TE 451 Elementary Curriculum and Methods I (5-0-5) (F). The first semester of Elementary Curriculum and Methods with an emphasis upon language arts and mathematics. However all aspects of curriculum are included. Prerequisite: TE 171, 271, 201. Corequisite: TE 411, 471, 498. Also offered summers, even years.

TE 452 Elementary Curriculum and Methods II (5-0-5) (S). The second semester of Elementary Curriculum and Methods with an emphasis on social studies and science. However all aspects of curriculum are included. Corequisite: TE 472, 473, 499. Also offered summers, odd years.

TE 453 Teaching Reading and Language Arts in the Bilingual Classroom (3-0-3). Develops an understanding of various approaches to reading instruction. Includes review of materials and media development of criteria for selection of appropriate instructional materials. Instruction given in both English and Spanish. Prerequisite: S 101, 102, 201, and 202 or S 203.

TE 454 Teaching Content in the Bilingual Classroom (3-0-3) (S). This course includes instructional strategies and techniques in mathematics, science and social studies for use in the elementary classroom. Instruction will be presented in both the Spanish and English languages. Prerequisite: S 101, 102, 201, and 202 or S 203.

TE 461 Child Behavior in Early Childhood Education (3-0-3) (S). 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, parent-teacher relations and multi-cultural education will be explored.

TE 462 Curriculum in Early Childhood Education (3-0-3) (F). All areas of the curriculum will be explored. Various early childhood curriculums from national programs will be examined. A variety of early childhood environments will be visited during course lecture hours.

TE 463 Infant Education (3-0-3) (F). Odd-numbered years. The physical, social, emotional, and intellectual development of the infant — age birth to three — will be examined in relation to kinds of environment and learning experiences that will stimulate and ensure optimum development.

TE 464 Individualizing Instruction in Early Childhood Education (3-0-3) (F). Even-numbered years. Teaching methods in the early childhood environment will be examined. Particular emphasis will be given to individualizing instruction. The student will become familiar with techniques in observing children, assessing needs, and planning for instruction.

TE 465 Creating Materials in Early Childhood Education (3-0-3) (S). Students will learn to make inexpensive materials that are best suited to meet the developmental and cultural needs of children. Various materials such as independent study devices, pocket charts, self-correcting materials, puppets, and games will be covered. Students may be charged a lab fee for supplies.

TE 471 Elementary Student Teaching (0-20-5) (FS). Observation and supervised teaching. Prerequisite: Approval of an application for student teaching, senior standing and GPA of 2.50.

TE 472 Elementary Student Teaching (0-20-5) (FS). Observation and supervised teaching. Prerequisite: Approval of an application for student teaching, senior standing and GPA of 2.50.

TE 473 Elementary Student Teaching in Special Education (0-20-5) (FS). Supervised teaching in a resource or self-contained special education classroom. Prerequisite: Required course work in special education and approval for placement in the special classroom.

TE 474 Elementary Student Teaching in the Bilingual Classroom (0-20-5) (F). This course includes observation of teaching in bilingual classrooms at varied grade levels, teaching under the direction of a cooperating teacher in a bilingual classroom and regularly scheduled seminars with a university supervisor. Some areas will be presented in both English and Spanish. May be taken concurrently with TE 453 or TE 454. Prerequisite: S 202, TE 453, TE 454.

TE 475 Elementary Student Teaching in the Bilingual Classroom (0-20-5) (S). This course includes observation of teaching in bilingual classrooms at varied grade levels, teaching under the direction of a cooperating teacher in a bilingual classroom and regularly scheduled seminars with a university supervisor. Some areas will be presented in both English and Spanish. May be taken concurrently with TE 453 or TE 454. Prerequisite: S 202, TE 453, TE 454.

TE 482 Junior High/Middle School Student Teaching (0-14-8) (FS). Supervised student teaching in a junior school or middle school. The student will be placed with a cooperating teacher for eleven weeks, a minimum of four class periods per day, in his major and/or minor field under supervision of university faculty. Prerequisite: Prior acceptance for student teaching; TE 201, 381. Corequisite: TE 486.

TE 483 Senior High School Student Teaching (0-14-8) (FS). Supervised student teaching in a senior high school. The student will be placed with a cooperating teacher for eleven weeks, a minimum of four class periods per day, in his major/minor field under the supervision of university faculty. Prerequisite: Prior acceptance for student teaching, TE 201, 381. Corequisite: TE 487.

TE 484 Junior High/Middle School Student Teaching - Composite (0-10-6) (FS). Supervised student teaching in the junior high/middle school. The student will be placed with a cooperating teacher for approximately one-half of the semester in his major and/or minor field under the supervision of university faculty. The other half of the semester will be in a senior high school. Prerequisite: Prior acceptance for student teaching; TE 201, 381. Corequisite: TE 485, 486, 487.

TE 485 Senior High School Student Teaching - Composite (0-10-6) (FS). Supervised student teaching in the senior high school. The student will be placed with a cooperating teacher for approximately one-half of the semester in his major and/or minor field under the supervision of university faculty. The other half of the semester will be in a junior high or middle school. Prerequisite: Prior acceptance for student teaching; TE 201, 381. Corequisite: TE 484, 486, 487.

TE 486 The Junior High/Middle School (1-0-1) (FS). This course will examine the characteristics of students, teaching methods, classroom management, curricula, and other problems and aspects specific to the junior high/middle school. Particular care will be taken to help the student relate philosophy and theory to his student teaching experiences. Prerequisite: TE 201, 281. Corequisite: TE 482 or 484.

TE 487 The Senior High School (1-0-1) (FS). This course will examine the characteristics of students, teaching methods, classroom management, curricula, and other problems and aspects specific to the senior high school. Particular care will be taken to help the student relate philosophy and theory to his student teaching experiences. Prerequisite: TE 201, 381. Corequisite: TE 483 or 485.

TE 489 Seminar: Conflict in the Educational System (2-0-2). An interdisciplinary social science approach to practical educational considerations raised by authority, communication, culture, language, social stratification, personality differences, and other sources of conflict in education.

TE 498 Senior Seminar Elementary/Special (2-0-2) (F). Designed to assist prospective elementary or special education teachers in effectively dealing with problems associated with teaching. An in-depth consideration of interpersonal communication, ethical behavior, special resources, professional associations, and controversial issues in teaching takes place with the clinic professor: in intensive workshops and seminars. Corequisite: 471.

TE 499 Senior Seminar Elementary/Special (2-0-2) (FS). Designed to assist prospective elementary or special education teachers in effectively dealing with problems associated with teaching. An indepth consideration of interpersonal communication, ethical behavior, special resources, professional associations, and controversial issues in teaching takes place with the clinic professor in intensive workshops and seminars. Corequisite: TE 472 or TE 473.

GRADUATE COURSES

(See Graduate School Section for course descriptions)

TE 501 Advanced Practices and Principles of Teaching Reading (3 credits). Each semester and summer.

TE 502 Diagnosis of Reading Problems (Directed Experiences in the Reading Center) (3 credits). Fall semester and summer. †

TE 503 Remediation of Reading Problems (Directed Experiences in the Reading Center) (3 credits). Spring semester and summer.

TE 504 Seminar in Reading Education (3 credits). Fall semester and summer.

TE 505 Individual Test and Measurements (3 credits). Spring semester.

TE 507 Relating Reading Processes to Secondary School Subjects (3 credits). Fall semester.

TE 508 Teaching Reading in the Secondary School (3 credits). Spring semester.

TE 510 Advanced Practices and Principles in Teaching Social Science (3 credits). Fall semester.

TE 511 Advanced Practices and Principles in Teaching Elementary Mathematics (3 credits). Spring Semester.

TE 512 Advanced Practices and Principles in Teaching Language Arts and Linguistics (3 credits). Fall.

TE 513 Advanced Practices and Principles in Teaching Elementary Science (3 credits). Fall semester.

TE 515 Teaching Skills for Remediation of Learning Disabled Students (3 credits). Fall Semester.

TE 516 Teaching Gifted and Talented Students (3 credits). Spring Semester.

TE 517 Development of Skills for Teaching Moderately/Severely Handicapped (3 credits). Spring semester.

TE 518 Techniques for Creative Writing in Elementary Schools (3 credits). Spring semester.

TE 519 Children's Literature, Advanced Level (3 credits). Spring semester.

TE 520 Educational Media (3 credits). Summer.

TE 522 Individualization of Reading Instruction (3 credits). Spring semester and summer.

TE 523 Emotionally Disturbed Child in the Classroom (3 credits). Fall semester and summer.

TE 531 Education for the Culturally Different Learner (3 credits). Spring semester.

TE 541 Education in Emerging Nations (3 credits). Fall semester.

TE 543 Research and Review in Early Childhood Education (3 credits). Spring.

TE 544 Advancing Physical and Intellectual Competencies in Early Childhood Education (3 credits). Spring.

TE 545 Creativity in Early Childhood. Education (3 credits). Fall.

TE 546 Diagnosis and Evaluation in Early Childhood Education (3 credits). Spring.

TE 547 Language Acquisition and Development in Early Childhood Education (3 credits). Fall.

TE 548 Program Development in Early Childhood Education (3 credits). Fall.

TE 551 Fundamentals of Educational Research for Teachers (3 credits). Fall semester.

TE 555 Supervision in Schools (3 credits). Spring semester.

TE 559 Values and Ideologies in Education (3 credits). Spring.

TE 563 Conflicting Values Influencing Education (1 credit). Summer.

TE 564 Creative Teaching — Secondary School (1 credit). Summer.

TE 565 Interpreting Educational Research (1 credit). Summer.

TE 566 Learning Theory and Classroom Instruction (1 credit). Summer.

TE 567 Teaching Subject Content Through Reading (1 credit). Summer.

TE 568 Techniques of Classroom Management (1 credit). Summer.

TE 569 Testing and Grading (1 credit). Summer.

TE 570 Graduate Core-Issues in Education (3 credits). Summer.

TE 571 Graduate Core-Directed Writing (3 credits). Summer.

TE 573 Creative Teaching — Elementary School (1 credit). Summer.

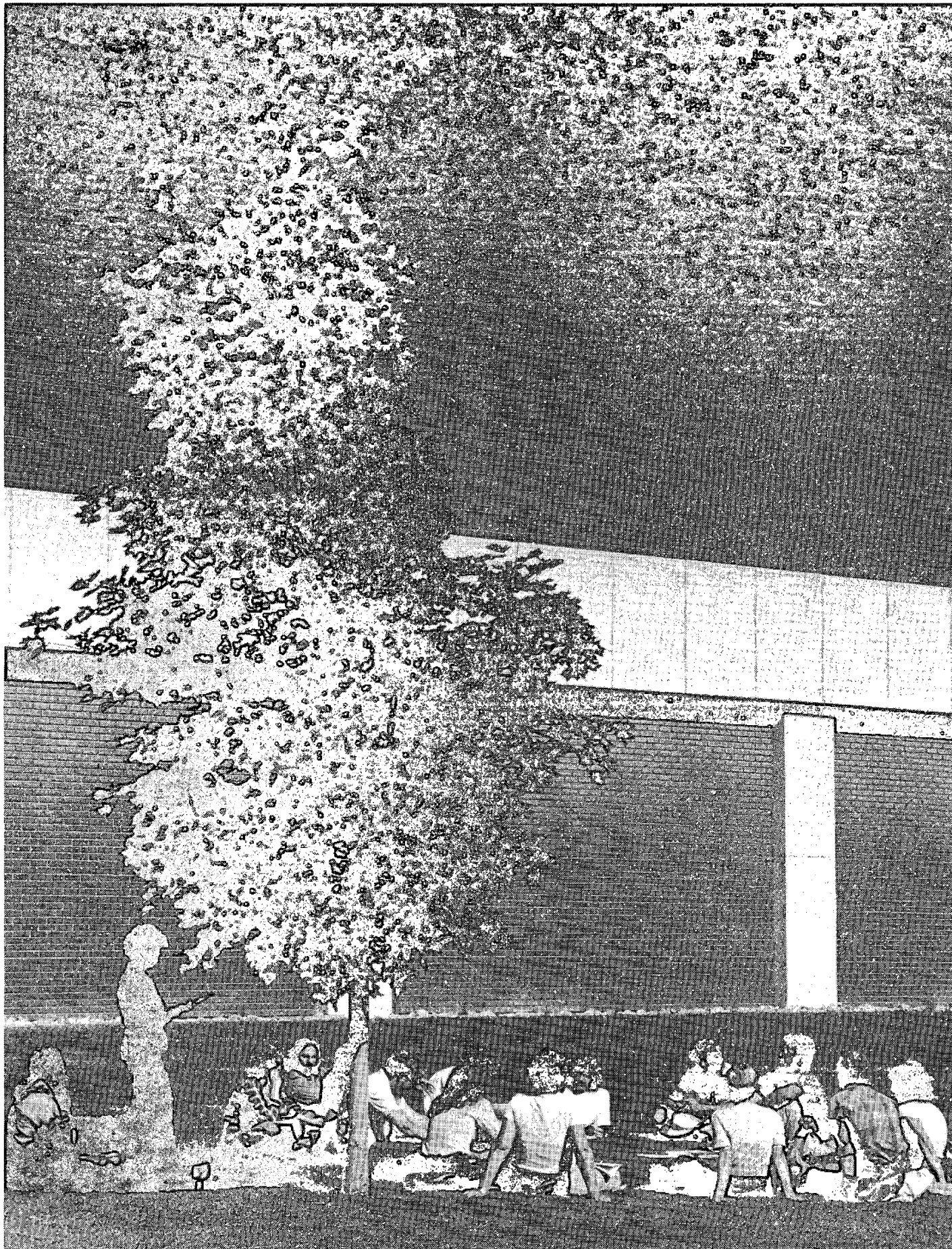
TE 581 Curriculum Planning and Implementation (3 credits). Spring.

TE 590 Practicum in Special Education (4 credits). Each semester and summer.

TE 591 Project (6 credits). Each semester and summer.

TE 593 Thesis (6 credits). Each semester and summer.







PART VII

SCHOOL OF HEALTH SCIENCES

Dean: Victor H. Duke, PhD
Health Sciences Building

Phone 208/385-1678

The School of Health Sciences is organized and dedicated to provide a stimulating and challenging milieu in which students can gain the professional, technical, and liberal arts foundation to prepare them for life-long service and learning.

Coursework leading to baccalaureate and associate degrees is offered in several health care professional programs. Preprofessional coursework and counseling are also provided for those students who need undergraduate studies in order to qualify for medical or other professional schools. The school also recognizes the responsibility of providing continuing education to its graduates and to other health care practitioners.

Faculty of the school not only have the required academic degrees but are also registered or certified as practitioners in the areas in which they teach. Hospitals, clinics, government agencies, and a variety of health care practitioners afford the necessary patients, professional support and clinical facilities which are required to complement the classes and laboratories at the University.

ADVISORY COUNCIL AND ADJUNCTIVE FACULTY

Sister Beverly Ann Nelson, CSC, MBA, Chairman of Advisory Council

David M. Barton, MD
Bee Biggs, RN, FNP

Robert W. Matthies, MD
Blake Morgan

Armand L. Bird
M. M. Burkholder, MD
Joseph J. Callanan, MD
James R. Hammarsten, MD
Edith Miller Klein, JD

Clayton C. Morgan, MD
Velma Morrison
Mary Nelson, RN
Leonard O. Thompson

CLINICAL AFFILIATES

Ada County Council on Alcoholism, Boise, Idaho
Boise Convalescent Center, Boise, Idaho
Boise Valley Sunset Home, Boise, Idaho
Caldwell Memorial Hospital, Caldwell, Idaho
Central District Health Department, Boise, Idaho
Community Health Clinics, Inc., Nampa, Idaho
Grand Oaks Health Care Center, Boise, Idaho
Headstart, El-Ada Community Action, Boise, Idaho
Idaho Elks Rehabilitation Hospital, Boise, Idaho
Mercy Medical Center, Nampa, Idaho
Mountain States Tumor Institute, Boise, Idaho
Nampa Convalescent Center, Nampa, Idaho
Saint Alphonsus Hospital, Boise, Idaho
St. Luke's Regional Medical Center, Boise, Idaho
St. Mary's School, Boise, Idaho
State Hospital South, Blackfoot, Idaho
Treasure Valley Manor, Boise, Idaho
Veterans Administration Medical Center, Boise Idaho

DEPARTMENT OF ALLIED HEALTH STUDIES

Allied Health Faculty Building
2268 University Drive Phone 208/385-3383

Chairman and Associate Professor: Conrad Colby, RRT.

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.

Baccalaureate degrees are offered in Health Science Studies, Medical Technology (MT), and Radiologic Technology (RD). Associate degrees are offered in: Medical Record Science (MR), Radiologic Technology (RD), Respiratory Therapy (RT), and Medical Office Assistant.

HEALTH SCIENCE STUDIES BACHELOR OF SCIENCE

The Bachelor of Science degree in Health Science provides 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 premedical and pre dental programs.

1. Requirements:	
English Composition	6
Area I Requirements	12
Area II Requirements	12
Mathematics	10
College Chemistry	9
Organic Chemistry with Laboratory	10
Biochemistry with Laboratory	4
General Zoology	4
General Botany	4
Cell Biology	3
Bacteriology	5
Physiology Z 401, 409	4
	83
2. Science Electives (6 courses)	
General Physics OR	8
Biophysics	4
Genetics	3
Histology	4
Quantitative Analysis with Laboratory	5
Pathogenic Bacteriology	4
Vertebrate Embryology	4
Parasitology	3
Comparative Anatomy	4
Physical Chemistry	8
	22-23
3. Health Science Electives (minimum of 3 courses)	
Health Delivery Systems	3
Basic Legal Concepts for Health Practitioners	3
Medical Terminology	3
Medical Economics and Finance	3
Public Health Administration	3
Preprofessional Internship	2
	8-9
4. Free electives	13-15
	128

Suggested Program

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition E 101-102	3	3
College Chemistry C 131	3	—
College Chemistry Laboratory C 132	1	—
College Chemistry C 133	—	3
College Chemistry Laboratory C 134	—	2
Mathematics M 115-116 or M 111, 204	5	5
General Botany BT 130	—	4
Area I or Area II	3	—
	15	17

MEDICAL TECHNOLOGY PROGRAM

Allied Health Faculty Bldg. Phone 208/385-3383

Associate Professor: Conrad Colby, RRT; Advisor: Ellis, Fuller; Adjunctive Faculty: Beals, MT (ASCP), Day, MD, Kopper, MT(ASCP), Perotto, MT(ASCP), Roberts, MD.

The Medical Technologist performs many routine and specialized tests in the clinical laboratory for the purpose of developing data which may be used by a physician in determining the presence and extent of disease, as well as implications as to the cause of disease. The many tests and procedures performed and supervised by the Medical Technologist in the clinical laboratory include the major areas of hematology, serology and immunology, chemistry, blood banking, microbiology and parasitology, urinalysis, histology, and cytology.

A bachelor of science degree comprised of courses prescribed by the Committee on Allied Health Education and Accreditation (CAHEA) of the American Medical Association is a criterion for admission to many professional schools of Medical Technology. The schools of Medical Technology at Saint Alphonsus Hospital in Boise, Idaho and at St. Luke's Regional Medical Center in Boise, Idaho, require that students have a baccalaureate degree for admission. The Health Sciences studies baccalaureate degree listed immediately above includes the prescribed courses.

Individual hospital schools of Medical Technology may or may not require a baccalaureate degree for admission. Those which do not will consider students who have completed at least 96 credits of basic sciences and general education courses prescribed by CAHEA. These courses are listed under requirements for Medical Technology major.

REQUIREMENTS FOR MEDICAL TECHNOLOGY MAJOR

English Composition E 101-102	6
Electives (Area I)	12
Electives (Area II)	12
Mathematics M 111, 204	10
College Chemistry and Laboratory C 131-134	9
Organic Chemistry and Laboratory C 317-320	10
Biochemistry and Laboratory C 431-432	4
General Zoology Z 130	4
Cell Biology B 225	3
Bacteriology B 303	5
General Botany BT 130	4
Human Physiology Z 401	4
Health Science Electives	9
Electives	6
	96

Suggested Program

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
English Composition E 101-102	3	3
College Chemistry C 131, 133	3	3
College Chemistry Laboratory C 132, 134	1	2
Mathematics M 111, 204	5	5
General Botany BT 130	—	4
Elective (Area I or II)	3	—
	15	17

Students have the responsibility of applying directly to hospital schools for admission to a professional program in Medical Technology.

Upon admission to an affiliated hospital school which is approved and accredited by CAHEA the student may register for and earn an additional 32 credits for Medical Technology Clinical Class and Practice (MT 487-488-489) and a baccalaureate degree in Medical Technology.

Medical Technology Clinical Class and Practice (MT 487-488-489) is a 12-month course of study comprising the following subjects, taught as part of the hospital program:

Hematology	6
Clinical Bacteriology	8
Clinical Parasitology	1
Urinalysis	1
Clinical Chemistry	8
Immuno-hematology	3
Serology-Immunology	2
Toxicology	1
Clinical Mycology	1
Clinical Correlations Seminar	1
	<hr/>
	32

COURSE OFFERINGS

MT MEDICAL TECHNOLOGY

MT 201 Basic Medical Technology (2-0-2) (S). Even-numbered years. Introduces 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.

MT 487 Clinical Class and Practice (175 Hr/Sem—700 Hr/Sem—14 Cr.) (F). Instruction in a hospital school approved and accredited by CAHEA. Prerequisite: Acceptance by a hospital school accredited by CAHEA.

MT 488 Clinical Class and Practice (175 Hr/Sem—700 Hr/Sem—14 Cr.) (S). Instruction in a hospital school approved and accredited by CAHEA. Prerequisite: Acceptance by a hospital school accredited by CAHEA.

MT 489 Clinical Class and Practice (32 Hr/Sem—218 Hr/Sem—4 Cr.) (SU). Instruction in a hospital school approved and accredited by CAHEA. Prerequisite: Acceptance by a hospital school accredited by CAHEA.

MEDICAL OFFICE ASSISTANT PROGRAM

Health Sciences Bldg. Phone 208/385-1130
Acting Director: Elaine Rockne, RRA

The Medical Office 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 medical office assistant to fulfill the role of contact between the patient and physician. This will include skills in Communication, Interpersonal Relations, Medical Ethics, and the legal aspects of patient care. Completing these courses will enhance sensitivity to the special needs of the patient and family.

**ASSOCIATE DEGREE
 (Suggested Program)**

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Business Math/Machines OA 115	—	3
Concepts of Anatomy & Physiology Z 107 ...	4	—
Beginning & Int. Typewriting OA 105, 107 ...	2	2
Beginning & Int. Shorthand OA 101, 121	4	4
Medical Terminology H 101	3	—
Electives	—	3
	<hr/>	<hr/>
	16	15
SOPHOMORE YEAR:		
General Psychology P 101	3	—
Advanced Shorthand OA 201	4	—
Applied Business Communication OA 238 ...	3	—
Introduction to Business GB 101	—	3
Records Preparation & Management OA 309	3	—
Intro to Financial Accounting AC 205	—	3
Advanced Typewriting OA 209	2	—

Word Processing & Machine		
Transcription OA 213	—	2
Electives	3	3
Administrative Office Procedures OA 310 ...	—	3
Medical Office Orientation OA 205	—	1
	<hr/>	<hr/>
	18	15

MEDICAL RECORD SCIENCE PROGRAM

Health Sciences Bldg. Phone 208/385-1130

Director and Instructor: Elaine Rockne, RRA; *Clinical Coordinator and Assistant Professor:* Carol Seddon, RRA. *Advisory Board:* Judith Bartz, RRA; Pat Brizee, RRA; Patricia Kemper, ART; James Meade, PhD; Lorraine Schimmels, ART; Jana Schoelkopf, ART; Kathy Seeborg, ART; Leonard Thompson, MBA.

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).

ADMISSION AND APPLICATION PROCESS

Any student who fulfills the University entrance requirements is eligible to enter the first semester of the program.

To continue in the program, students must:

1. Complete the first semester with a GPA of 2.00 or higher.
2. Make an appointment for an interview with the program director before midterm of spring semester of the first year.
3. Fill out and return to the Medical Record Program Office (H-210) a "Special Programs Application for the Department of Allied Health Studies" on or before March 1 of the year in which the student wishes to enter the second year of the program. The application is available in the program director's office. Applicants will be notified of their status by April 25. Due to the small number of available clinical sites, the program can accept only a limited number of students each year.
4. Have adequate health status to ensure successful performance of hospital activities.

PROMOTION AND GRADUATION

1. Students must maintain a GPA of at least 2.00 in order to enter the second year of the program.
2. A grade of less than C in any professional course, numbered H or MR, must be repeated and raised to C or higher before continuing in the program.
3. Students who complete all course requirements with a GPA of 2.00 or higher qualify for graduation.

CURRICULUM

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Human Anatomy & Physiology Z 111, 112 ...	4	4
Introduction to Allied Health H 100	1	—
Intermediate Algebra M 108	4	—
Medical Terminology H 101	3	—
Introduction to Medical Records MR 115 ...	—	3

SCHOOL OF HEALTH SCIENCES

Health Data MR 205	—	3
Elective (Area I)	—	3
	15	16

SOPHOMORE YEAR:

Medical Records I MR 201, 202	5	—
Diagnostic and Operative Coding MR 207 ...	3	—
Disease Conditions I H 211	3	—
Health Delivery Systems H 302	3	—
Elective (Area II)	3	—
Medical Records II MR 203, 204	—	5
Health Record Transcription MR 209	—	2
Basic Legal Concepts for Health Practitioners H 210	—	3
Disease Conditions II H 212	—	3
Intro to Data Processing DP 210 OR		
First Course in Programming M 122	—	2-3
	17	15-16

After the 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.

Clinical Practice MR 215 (Summer)	2
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COURSE OFFERINGS

MR MEDICAL RECORDS

MR 115 Introduction to Medical Records (3-0-3) (S). Principles of Medical Record Technology, the professional organizations, medical record practitioners, and the content of the hospital chart.

MR 201 Medical Records I (3-0-3) (F). Preparation, analysis, preservation and retrieval of health information. The value of this information to the patient, the doctor, and the community. Prerequisite: MR 115. Corequisite: MR 202.

MR 202 Medical Records I Laboratory (0-4-2) (F). Practice in the various methods of numbering, filing, and retrieving health records. Corequisite: MR 201.

MR 203 Medical Records II (3-0-3) (S). Quality assurance, computer applications, basic principles of supervising and managing a medical record department. Prerequisite: MR 201. Corequisite: MR 204.

MR 204 Medical Records II Laboratory (0-4-2) (S). Observation of record keeping practices in non-hospital settings, as well as practice in quality assurance and computer activities. Corequisite: MR 203.

MR 205 Health Data (3-0-3) (S). Collection and presentation of routine data for daily, monthly and annual hospital statistical reports. Formulas, preparation of birth certificates and abstracting data for the computer. Prerequisite: PERM/INST.

MR 207 Diagnostic and Operative Coding (3-0-3) (F). Principles and practice in coding diseases and operations according to International Classification. Other systems of coding and methods of indexing included. Prerequisite: PERM/INST.

MR 209 Health Record Transcription (0-4-2) (S). Machine transcription of histories, physical examinations, operations, and other medical dictation. Typing ability is required. Prerequisite: H 101.

MR 215 Clinical Practice (0-V-2) (SU). During the summer following completion of all other program requirements, students spend 120 hours in medical record departments of affiliated health facilities demonstrating their proficiency in the various areas of medical record technology.

RADIOLOGIC TECHNOLOGY PROGRAM

Student Health Bldg.

Phone 208/385-1996

Director and Associate Professor: Duane Akroyd, RTR; **Clinical Coordinator and Instructor:** Rex Profit, RTR; **Medical Director:** James Mack, MD; **Instructors:** Kraker, RTR; Munk, RTR; Profit, RTR; **Adjunctive Faculty:** Champion, RTR; Crew, RTR; Hollingsworth, RTR; **Advisory Board:** Lyle Barnes, RT; Carolyn Beaman, RT; David W. Bennett, MD; Cleo Champion, RT; Charles Howard, RT; Dean Jacobsen, RT; James Mack, MD; Donald Rau, MD.

To determine the presence of injury or disease, Radiologic technologists position patients and operate X-ray machines to produce diagnostic film (radiographs). Most technologists work in the Radiology Department of hospitals or with doctors who maintain private practices.

The Radiologic Technology Program in the Department of Allied Health Studies offers a curriculum utilizing both University and clinical components. This type of integrated program is needed so that students may gain the essential knowledge and skills required to become Radiologic Technologists.

The program has been granted full accreditation by the Committee on Allied Health Education and Accreditation of the American Medical Association. 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

- A. Freshman Core Year
 1. See University Admission Policy.
- B. Sophomore Year
 1. Only students who have completed or are in the process of completing the freshman curriculum with a GPA of 2.00 or higher will be considered for acceptance into the sophomore year of the Radiologic Technology Program.
 2. Health status must be adequate to insure successful performance of hospital activities.

APPLICATION PROCESS

- A. Freshman Year
 1. See University Requirements.
- B. Sophomore Year
 1. All students must fill out and return to the Radiologic Technology Program 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 sophomore year.
 2. Applicants will be notified of their status by April 25. Due to the limited number of clinical sites, the program can accept only a limited number of students each year.
 3. Applicants are required to have an interview during the spring semester of the freshman year. Contact the program director for specific dates.

PROMOTION AND GRADUATION

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, RD) or clinical unit must be repeated and raised to a C or higher before continuing the program.

Suggested Program

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Human Anatomy & Physiology Z 111, 112. ...	4	4
Medical Terminology H 101	3	—
Essentials of Chemistry C 107	3	—
Essentials of Chemistry Lab C 108	1	—
Mathematics M 108	—	4
*Intro to Allied Health H 100	1	—
General Psychology P 101	—	3
Electives (Area I)	—	3
	15	17

*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.

SOPHOMORE YEAR:

Clinical Practicum RD 211, 221	1	1
Radiographic Positioning RD 222	3	—
Radiographic Techniques & Control RE 226 ..	3	3
Radiographic Physics PH 103	2	3
Electives (Area II)	3	—
Intro to Radiologic Science RD 232	2	—
Intro to Clinical Experience RD 238	1	—
Radiographic Positioning II RD 242	—	4
Clinical Experience RD 285	—	4
Electives (Area I)	—	3
	15	5

SUMMER:

Clinical Experience RD 375	—	5
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JUNIOR YEAR:

Clinical Practicum RD 311, 321	1	1
Radiographic Positioning III RD 316	4	—
Special Radiographic Procedures RD 360 ...	4	—

Medical & Surgical Diseases RD 350.....	3	—
Clinical Experience RD 385, 395.....	6	6
Seminar in Radiologic Science RD 336.....	—	2
Radiographic Positioning IV RD 320.....	—	2
Electives (Area I).....	—	3
	18	16

SUMMER:

Clinical Experience RD 397.....	—	5
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BACCALAUREATE DEGREE CURRICULUM

Prerequisite for admission: Each student must have met and satisfactorily completed all requirements for the associate degree in Radiologic Technology at BSU, or have an associate degree in Radiologic Technology and/or related discipline from a comparable college/university program, or have permission from the program director.

	1ST SEM.	2ND SEM.
SENIOR YEAR:		
Intro to Business GB 101.....	3	—
Principles of management MG 301.....	3	—
Elective (Area II).....	3	—
Management of Radiology Service RD 400, 401.....	3	3
Imaging Modalities RD 402.....	3	—
Elective (Area I).....	—	3
Human Resource Management MG 401.....	—	3
Interviewing CM 307.....	—	3
Implications of Medical Radiation RD 404.....	3	—
Teaching Techniques in Radiological Science RD 406.....	—	3
Radiographic Quality Assurance.....	—	3
	18	18

COURSE OFFERINGS

RD RADIOLOGIC TECHNOLOGY

LOWER DIVISION

RD 211 Clinical Practicum (0-3-1) (F). Laboratory demonstration and practice of the radiographic positions and procedures discussed in RD 222. Corequisite: RD 222

RD 221 Clinical Practicum (0-3-1) (S). Laboratory demonstration and practice of the radiographic positions and procedures discussed in RD 242. Prerequisite: RD 222, RD 211. Corequisite: RD 242.

RD 222 Radiographic Positioning I (4-0-3) (F). The basic concepts and procedures used in obtaining diagnostic radiographs of the upper and lower extremities, chest and abdomen. Corequisite: RD 211.

RD 226 Radiographic Technique and Control (3-0-3) (F). Factors that affect the production of x-ray images: i.e., contrast, density, x-ray film, darkroom chemistry and procedures, cassettes, beam filtration, x-ray tube operation. Prerequisite: Z 111 and Z 112. Corequisite: RD 222.

RE 232 Introduction to Radiologic Science (2-0-2) (F). Introduces student to radiologic technology, medical legal ethics, body mechanics, medical asepsis, vital signs, medical emergencies, catheterization, sterile procedures, drug administration and isolation technique.

RE 238 Introduction to Clinical Experience (1-0-1) (F). Introduces the student to hospital and radiology department structure. Various hospital professional and patient interaction skills.

RD 242 Radiographic Positioning II (4-0-3) (S). Continuation of RD 222. The basic concepts and procedures used in obtaining diagnostic radiographs of the digestive and urinary systems, shoulder and pelvic girdles, bony thorax and the spines. Prerequisite: RD 222, RD 211. Corequisite: RD 221.

RD 252 Radiographic Technique and Control (3-0-3) (S). Analysis of radiographic detail and distortion, radiation protection, construction and interpretation of x-ray film curves, portable radiography, type of fractures, basic quality control of x-ray processors and equipment and the structure and function of phototimers. Prerequisite: RD 222, RD 226. Corequisite: RD 242.

RD 285 Radiologic Technology Clinical Practicum (0-240-4) (S). Supervised clinical hospital experience. The student must complete 75% minimum of recently taught radiographic exams and a minimum 32 hours in darkroom and office procedures. Prerequisite: RD 238.

UPPER DIVISION

RD 311 Clinical Practicum (0-3-1) (F). Laboratory demonstration and practice of the radiographic positions discussed in RD 316. Corequisite: RD 316.

RD 316 Radiographic Positioning (4-0-4) (F). Advanced positioning techniques of the cranium, facial bones, sinuses, and temporal bones. Prerequisite: RD 222 and RD 242. Corequisite: RD 311.

RD 320 Radiographic Positioning (2-0-2) (S). Methods of solving positioning problems by the use of special radiographic devices and techniques. Corequisite: RD 321.

RD 321 Clinical Practicum (0-3-1) (S). Laboratory demonstration and practice of the special radiographic devices and techniques discussed in RD 320. Corequisite: RD 320.

RD 336 Seminar in Radiological Sciences (4-0-4) (S). Analysis of new radiographic imaging system, dental radiography, advances in x-ray tube technology, radiation biology, review of literature and presentations on topics in radiological science. Prerequisite: RD 316, RD 350, RD 360. Corequisite: RD 320.

RD 350 Medical and Surgical Diseases (3-0-3) (F). General survey of various diseases and pathology of the human body as they pertain to radiology. Emphasis on how pathology is demonstrated on radiographs and its effect on radiographic quality. Prerequisite: RD 252, RD 242.

RD 360 Special Radiographic Procedures (4-0-4) (F). Fundamental concepts of the more specialized radiographic examinations with emphasis on studies of the nervous and circulatory systems.

RD 375 Radiologic Technology Clinical Experience (0-300-5) (SU). Supervised clinical hospital experience. The student must complete 70% of recently taught radiographic exams plus 50% continued competency exam list. Prerequisite: RD 285.

RD 385 Radiologic Technology Clinical Experience (0-360-6) (F). Supervised clinical hospital experience. The student must complete a minimum 40% of exams involving the skull, 40% exams in special procedures, and 50% continued competency exam list. Prerequisite: RD 375.

RD 395 Radiologic Technology Clinical Experience (0-360-6) (SU). Supervised clinical hospital experience. The student must complete a minimum 40% of special procedures and 50% continued competency exam list. Plus rotation in minor affiliates.

RD 397 Radiologic Technology Clinical Experience (0-300-5) (S). Supervised clinical hospital experience. Students rotate through several minor affiliates and complete a minimum 20% of continued competency exam list. Prerequisite: RD 395.

RD 400 Management of a Radiology Department (3-0-3) (F). Introduction to the set up and operation of a radiology department including design principles and sources for equipment and supplies. Structural and shielding requirements will be discussed. Prerequisite: PERM/INST.

RD 401 Management of a Radiology Service (3-0-3) (S). Applied principles and techniques of management and supervision. Includes departmental administration of records, equipment, personnel and budgets. Prerequisite: RD 400, PERM/INST.

RE 402 Imaging Modalities in Radiology (3-0-3) (F). Discussions of various imaging modalities including thermography, xeroradiography, ultrasound, electronic imaging and nuclear medicine. General operative procedures will be covered along with economic impact and use consideration. Prerequisite: PERM/INST.

RD 404 Implications of Medical Radiation (3-0-3) (F). A detailed examination of the various types of radiation used in medicine today. Emphasis will be on their physical, biological and economic implications. Prerequisite: PERM/INST.

RE 406 Teaching Techniques in Radiologic Sciences (3-0-3) (S). Introduces the student to basic teaching methodologies and techniques with emphasis given to radiologic technology. Essentials of accreditation as well as program budgeting will be reviewed. Prerequisite: PERM/INST.

RD 408 Radiographic Quality Assurance (3-0-3) (S). Provide skills required for conducting and managing a radiographic quality assurance program. Includes demonstrations and performances with the RMI quality assurance kit. Principles and techniques of a daily photographic quality assurance will be introduced. Prerequisite: PERM/INST.

RESPIRATORY THERAPY PROGRAM

2268 University Drive Phone 208/385-3383

Director and Assistant Professor: Lonny J. Ashworth, RRT; *Clinical Coordinator and Instructor:* Keith B. Hopper, RRT; *Medical Director:* David K. Merrick, MD; *Associate Professor:* Colby, RRT; Jensen, RRT; *Adjunctive Faculty:* Albright, RRT; V. Ashworth, RN; Gable, RCPT; Gossi, RRT; Hammarsten, MD; Knight, MD; Meade, PhD; Priest, MD; Ricks, MD; J. W. Smith, MD; Torrington, MD; *Advisory Board:* Alan Albright, RRT; George Burger, RRT; Jeanne Deaver; Shirley Gossi, RRT; James F. Hammarsten, MD; Loren G. Hinger, MD; James D. McCabe, MD; James Meade, PhD; David K. Merrick, MD; David V. Nuerenberg, RRT; June Penner, MPH RN; James T. Scanlan, MD; William Smith.

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 BSU 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 preprofessional year followed by two years of professional study. Receipt of the Associate of Science degree qualifies the student academically for the examination of the National Board of Respiratory Therapy.

REQUIREMENTS FOR ADMISSION

A. Preprofessional Year

1. See University Admission Policy.

SCHOOL OF HEALTH SCIENCES

B. Professional Program

1. Only students who have completed or are in the process of completing the preprofessional curriculum with a GPA of 2.00 or higher will be considered for acceptance into the Respiratory Therapy Program.
2. Health status must be adequate to ensure successful performance of hospital activities.

APPLICATION PROCESS

A. Preprofessional Year

1. See University Requirements.

B. Professional Program

1. All students must fill out and return to the Respiratory Therapy Program 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 program can accept only a limited number of students each year.
3. Applicants are required to have an interview during the spring semester of the preprofessional year. Contact the program director for specific dates.

PREPROFESSIONAL CURRICULUM

All students who are considering entry into the Respiratory Therapy Program must have completed or be in the process of completing the following preprofessional curriculum. The preprofessional curriculum need not be taken at BSU.

PREPROFESSIONAL (FRESHMAN) YEAR	1ST SEM.	2ND SEM.
English E 101-102	3	3
Human Anatomy and Physiology Z 111-112	4	4
Essentials of Chemistry C 107	—	3
Essentials of Chemistry Lab C 108	—	1
Intermediate Algebra M 108	4	—
Medical Terminology	—	3
Elective (Area I)	3	—
Elective (Area II)	—	3
Elective	3	—
	17	17

PROMOTION AND GRADUATION

A. Professional Program

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 that required may constitute removal from the program.
2. A grade of less than a C in any professional theory (numbered H, RT) or clinical unit must be repeated and raised to a C or higher.
3. Students who have completed all course requirements with a GPA of 2.35 or higher (during the professional program) qualify for graduation.

PROFESSIONAL CURRICULUM

FIRST PROFESSIONAL (SOPHOMORE) YEAR:	1ST SEM.	2ND SEM.
Respiratory Therapy Theory I RT 203	2	—
Respiratory Therapy Theory II RT 223	—	2
Respiratory Therapy Lab I RT 204	1	—
Respiratory Therapy Lab II RT 224	—	1
Clinical Practicum I RT 208	3	—
Clinical Practicum II RT 228	—	3
Cardiopulmonary Physiology RT 201	4	—
Respiratory Therapy Nursing Arts RT 207	1	—
General Pathology RT 209	3	—
Emergency Procedures in Respiratory Care RT 213	1	—
Electives (Area I, II)	3	—
Pulmonary Function Lecture RT 225	—	2
Pulmonary Function Laboratory RT 226	—	1
Pulmonary Medicine I RT 227	—	1
Introduction to Biophysics	—	4
Microbiology	—	4
	18	18

SUMMER:

Electives (Area I, II)	6	—
SECOND PROFESSIONAL (JUNIOR) YEAR:		
Respiratory Therapy Theory III RT 303	2	—
Respiratory Therapy Theory IV RT 323	—	2
Respiratory Therapy Lab III RT 304	1	—
Respiratory Therapy Lab IV RT 324	—	1
Clinical Practicum III RT 308	4	—
Clinical Practicum IV RT 328	—	6
Radiologic Studies of the Respiratory System RT 305	1	—
Pulmonary Medicine II RT 327	3	—
Respiratory Cardiology RT 307	2	—
Professional Seminar RT 398	—	4
Principles of Pharmacotherapeutics RT 301	3	—
	16	13

COURSE OFFERINGS

RT RESPIRATORY THERAPY

LOWER DIVISION

RT 201 Respiratory Therapy Cardiopulmonary Physiology (4-0-4) (F). Normal physiological functions of the pulmonary and circulatory systems. Prerequisite: PERM/INST.

RT 203 Respiratory Therapy Theory I (2-0-2) (F). Medical gas therapy to include clinical gases, gas mixtures and various equipment. Theory and technique of aerosol and humidification therapy; introduction to infection control and cardiopulmonary resuscitation. Prerequisite: PERM/INST.

RT 204 Respiratory Therapy Laboratory I (0-2-1) (F). Medical gas techniques. Prerequisite: PERM/INST.

RT 207 Respiratory Therapy Nursing Arts (1-0-1) (F). Nursing arts which pertain directly to respiratory therapy, including body mechanics, patient lifting and positioning. Prerequisite: PERM/INST.

RT 208 Clinical Practicum I (0-12-3) (F). Experience in the hospital with patients, techniques, and equipment. Emphasis on use of medical gases. Prerequisite: PERM/INST.

RT 209 General Pathology (3-0-3) (F). Human pathology as pertains to systems of defense, modes of injury, diseases of development and function, heart, hematopoietic and lymphoreticular systems, and respiratory system. Prerequisite: PERM/INST.

RT 213 Emergency Procedures in Respiratory Care (1-0-1) (F). Theory and technique necessary in emergency respiratory care. Prerequisite: PERM/INST.

RT 223 Respiratory Therapy Theory II (2-0-2) (S). Principles, application and equipment used for hyperinflation therapy. Therapeutic techniques and applications of chest physiotherapy. In-depth study of hospital infection control including comparative studies and various sterilization and disinfectant techniques. Prerequisite: PERM/INST.

RT 224 Respiratory Therapy Laboratory II (0-2-1) (S). Use of hyperinflation therapy devices and chest physiotherapy. Prerequisite: PERM/INST.

RT 225 Pulmonary Function Lecture (2-0-2) (S). Theory of pulmonary function testing, using simple spirometry, flow-volume loops, closing volumes, nitrogen washout, helium dilution, and body plethysmography. Prerequisite: PERM/INST.

RT 226 Pulmonary Function Laboratory (0-2-1) (S). Practice in pulmonary function testing and techniques. Prerequisite: PERM/INST.

RT 227 Pulmonary Medicine I (1-0-1) (S). Ventilation, perfusion, compliance, resistance and pathophysiology of the lungs. Prerequisite: PERM/INST.

RT 228 Clinical Practicum II (0-12-3) (S). Experience in the hospitals with patients, techniques, and equipment used in hyperinflation therapy and chest physiotherapy. Prerequisite: PERM/INST.

UPPER DIVISION

RT 301 Principles of Pharmacotherapeutics (3-0-3) (F). Principles, practical uses and interactions of drugs and their relationship to disease. Prerequisite: PERM/INST.

RT 303 Respiratory Therapy Theory III (2-0-2) (F). Theory and clinical application of mechanical ventilator including care and management of artificial airways. Prerequisite: PERM/INST.

RT 304 Respiratory Therapy Laboratory III (0-2-1) (F). Practice using mechanical ventilators and suctioning devices. Prerequisite: PERM/INST.

RT 305 Radiologic Studies of the Respiratory System (1-0-1) (F). Presentation and interpretation of respiratory radiographs. Prerequisite: PERM/INST.

RT 307 Respiratory Cardiology (2-0-2) (F). Electrophysiology, stress and static testing procedures, and recognition of cardiac arrhythmias. Prerequisite: PERM/INST.

RT 308 Clinical Practicum III (0-16-4) (F). Experience in the hospital with patients, techniques and equipment as applied to mechanical ventilation and artificial airways. Prerequisite: PERM/INST.

RT 323 Respiratory Therapy Theory IV (2-0-2) (S). Theory and application of techniques and equipment to neonatology and pediatrics. Prerequisite: PERM/INST.

RT 324 Respiratory Therapy Laboratory IV (0-2-1) (S). Use of infant ventilators and specialty techniques pertaining to pediatrics. Prerequisite: PERM/INST.

RT 327 Pulmonary Medicine II (3-0-3) (F). In-depth examination of pulmonary diseases, certain cardiac diseases, and the clinical management of these diseases. Prerequisite: PERM/INST.

RT 328 Clinical Practicum IV (0-24-6) (S). Experience in the hospital with any or all aspects of respiratory therapy. Prerequisite: PERM/INST.

RT 398 Respiratory Therapy Professional Seminar (4-0-4) (S). Focuses on the ethics and medio-legal aspects of administering a respiratory therapy department. In addition, the problems of budgeting, facilities, personnel, in-service education, record systems, and in interdepartmental relations are considered. Prerequisite: PERM/INST.

DEPARTMENT OF COMMUNITY AND ENVIRONMENTAL HEALTH

Health Sciences Bldg. Phone 208/385-3929

Chairman and Associate Professor: Dr. Eldon H. Edmundson, Jr.; Adjunctive Faculty: Dawson, Meade; Advisory Board: Dick Adams, Melvin D. Alsager, Russell Centanni, Robert DesAulniers, James D. Felton, Nancy Ann Goodell, Barbara Gwartney, Jack Jelke, Deborah Moran, Blake Morgan, Donald J. Obee, Jack Palmer, Jack Ross, Lee Stokes, Dennis Walker.

Students in this Department study general aspects of human health which are affected by personal, social, and environmental conditions and interaction. Personal health conditions, the inter-relationships between personal health and environmental conditions, and existing and future community health programs are all considered.

The Department of Community and Environmental Health presently offers a Baccalaureate degree in Environmental Health.

Environmental Health Specialists play an important role in assisting public and private agencies to insure a healthful community. Specific activities may include helping private businesses and public agencies maintain sanitary conditions in food establishments, in recreational facilities, and in public and private water supplies. Other activities may include assisting communities in properly disposing of solid wastes, controlling undesirable rodent and insect populations, minimizing air, water, and noise pollution, and controlling occupational hazards.

The Environmental Health curriculum provides a broad background in understanding public health problems and in working with people effectively to arrive at solutions to these problems. During the first two years students take general education courses. These may be taken at BSU or at other accredited colleges or universities, with transfer to BSU for the junior and senior years. Students must also spend twenty hours with environmental health agencies prior to beginning their upper level Environmental Health courses.

The Department of Community and Environmental Health is affiliated with local, state and federal health agencies throughout the State in order to provide field training.

BACHELOR OF SCIENCE IN ENVIRONMENTAL HEALTH DEGREE

A. General Requirements (30 Credits):	
English Composition E 101-102	6
Electives (Area I)	12
Psychology P 101	3
Sociology S 101	3
Speech CM 111	3
Sociology, Psychology or Communication Electives	3
B. Professional Requirements	
Science: (57 Credits)	
College Chemistry C 131-134	9
Organic Chemistry C 318-319	5
Cell Biology B 225	3
Mathematics	10
General Physics PH 101-102	8
Bacteriology B 303	5
Botany/Zoology BT 130, Z 130	9
Applied & Environmental Microbiology B 415-416	4
Entomology Z 305	4

Health Sciences (24 Credits):	
Water Supply and Water Quality Management EH 310	3
Air Quality Management EH 380	2
Community Environmental Health Management EH 320	3
Public Health Administration H 304	3
Environmental Health Legislation EH 435	2
Public Health Field Training EH 350	4
Occupational Safety and Health EH 415	3
Epidemiology H 480	3
Environmental Health Practicum EH 160	1
Other (3 Credits):	
Technical Writing E 202	3
C. Suggested Electives (14 Credits):	
Pathogenic Bacteriology B 310	4
Human Physiology Z 401	4
Economics EC 201, 219	3
Bioecology B 423	4
Parasitology B 412	4
Principles of Management MG 301	3
Physical Geology GO 101	4
State and Local Government PO 102	3
Statistics M 361	3
American National Government PO 101	3
Data Processing DP 210	3
Environmental Health Seminar H 498	1
Communication in the Small Group C 251	3

Suggested Program

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
College Chemistry C 131-134	4	5
Mathematics	5	5
Electives (Area I)	3	3
	15	16
SOPHOMORE YEAR:		
Botany B 130	4	—
Zoology Z 130	—	5
Physics PH 101-102	4	4
Technical Writing E 202	3	—
Speech CM 111	—	3
Electives (Area I)	—	3
Psychology P 101	3	—
Sociology S 101	—	3
Environmental Health Practicum EH 160	1	—
	15	18
JUNIOR YEAR:		
Organic Chemistry C 318-319	5	—
Electives	3	8 or 5
Health Science Requirements	5-6	2 or 6
Cell Biology B 225	—	3
Electives (Area I)	—	3
	13-14	16-17
SUMMER BETWEEN JUNIOR AND SENIOR YEAR:		
Public Health Field Training EH 350	4	—
SENIOR YEAR:		
Bacteriology B 303	5	—
Applied and Environmental Microbiology B 415-416	—	4
Health Science Requirements	5-6	2 or 6
Sociology, Psychology or Communication Elective	—	3
Entomology Z 305	4	—
Electives	—	6 or 3
	14-15	15-16

COURSE OFFERINGS

EH ENVIRONMENTAL HEALTH

EH.160 Environmental Health Practicum (0-V-1) (FS). Field observations in public health agencies. Requires a minimum 20 hours in the field and periodic seminars with a university instructor. Required for all environmental health majors.

SCHOOL OF HEALTH SCIENCES

EH 310 Water Supply and Water Quality Management (2-3-3) (F). Engineering, biological and management principles of community water supply and water pollution control. Prerequisite: Botany, Zoology, Chemistry 131-134, one year Mathematics, Upper Division status. Even-numbered years.

EH 320 Community Environmental Health Management (2-3-3) (F). Sanitation and management practices for community problems dealing with solid waste disposal, vector control, food and milk protection, swimming pools, and recreation activities. Prerequisite: Botany, Zoology, Chemistry 131-134, one year Mathematics and Upper Division standing. Odd-numbered years.

EH 350 Public Health Field Training (0-V-4) (SU). Six weeks field study of public health problems, regulations, inspections, and agency programs. Students required to conduct detailed field project. Prerequisite: six credits in Environmental Health courses.

EH 380 Air Quality Management (2-0-2) (F). Chemical, engineering and management principles of community and industrial air quality control. Prerequisite: Organic Chemistry or concurrent enrollment. Odd-numbered years.

EH 415 Occupational Safety and Health (2-3-3) (S). Recognition, evaluation and control of environmental health hazards or stresses (chemical, physical, biological) that may cause sickness, impair health, or cause significant discomfort to employees or residents of the community. Prerequisite: Physics 101-102 and Organic Chemistry or concurrent enrollment. Even-numbered years.

EH 435 Environmental Health Legislation (2-0-2) (S). A study of environmental legislation, the implementation and enforcement of such laws, and specific duties of the employee regarding selected sections of the law. Prerequisite: Upper Division standing in science related field or PERM/INST. Odd-numbered years.

COURSE OFFERINGS

H HEALTH SCIENCES

LOWER DIVISION

H 100 Introduction to Allied Health (1-0-1) (F). Various allied health disciplines and their clinical functions are discussed. Information on basic educational requirements, opportunities and advancement for each discipline of health care delivery. Lectures by allied health faculty and guest speakers from the medical community. Orientation to allied health care in clinical facilities.

H 101 Medical Terminology (3-0-3) (FS). 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.

H 109 Drugs: Use and Abuse (3-0-3) (S). An introductory course which deals with the basic medical, social and psychopharmacological considerations related to the use of therapeutic and nontherapeutic (recreational) drugs. Even-numbered years.

H 205 Chronic Illness: Impact and Outcome (3-0-3) (S). Introduction to the medical and psychosocial dimensions of chronic illness, using cancer as a prototype. Prerequisite: sophomore standing or PERM/INST. Even-numbered years.

H 210 Basic Legal Concepts for Health Practitioners (3-0-3) (S). Designed to acquaint students preparing for careers in nursing, allied health, or related health service professions with a knowledge of basic legal concepts which are essential for safe and responsible health care practice.

H 211-212 Disease Conditions I and II (3-0-3) (FS). Introduction to the general principles of disease. Etiology, signs, symptoms, treatment and management of diseases that affect individual organs in the various body systems. Prerequisite: H 101. Sequence beginning fall semester.

H 298 Environmental Health Colloquium (1-0-1) (FS). A discussion of environmental health management problems and concepts. Special emphasis on why problems occur and ways to develop community support in solving problems. May be repeated once for credit.

UPPER DIVISION

H 300 Pathophysiology (4-0-4) (F). Emphasis on dynamic aspects of human disease. Disruption of normal physiology and alterations, derangements, and mechanisms involved. Prerequisite: C 107-110 or equivalent and Z 111-112 or equivalent.

H 302 Health Delivery Systems (3-0-3) (F). Consideration of processes, professionals, politics, programs, laws and institutions which are involved in the maintenance of health and treatment of disease.

H 304 Public Health Administration (3-0-3) (F). Functions of local, state and federal health agencies, and factors which have an impact on agency programs. Prerequisite: Upper division standing and health science major or PERM/INST. Even numbered years.

H 305 Sensitization for Role Change (2-0-2) (FS). This seminar focuses on student experiences involving professional role confusion-conflict and change. Theoretical concepts are derived from these experiences and readings. Prerequisite: PERM/INST.

H 306 Applied Pharmacotherapeutics (3-0-3) (S). Emphasis on use of drugs in relation to health and illness in any setting, on legal aspects, and on patient education. Students will be expected to use prerequisite information in pathophysiology to study drugs and their intersystem relationships. Prerequisite: H 300; 6-8 credits each Chemistry and Human A & P; clinical background as a health student or professional.

H 310 Methods in Clinical Laboratory Science (2-3-3) (F/S). Interdisciplinary course in basic laboratory procedures used in a primary care setting. Clinical significance of tests in relation to disease processes is stressed. Lectures/clinical practice in lab enable students to learn accurate techniques and become clinically competent to perform and interpret selected laboratory procedures. Prerequisite: H 300, PERM/INST.

H 313 Human Sexuality for Health Professionals (3-0-3) (F). For students in variety of health related areas. Emphasis on biological, sociological aspects of sexuality. Value systems examined in relation to delivery of effective, holistic health care by individual

providers and by the total health care delivery system. Prerequisite: Health-related professional or PERM/INST. Even-numbered years.

H 405 Medical Economics and Finance (3-0-3) (F). Introduction to the economics and financing of health care and health care agencies. Odd numbered years.

H 480 Epidemiology (3-0-3) (S). Study of the distribution of disease or physiological conditions of humans, and of factors which influence this distribution. Prerequisite: Upper division status, health science major or PERM/INST; statistics desirable. Even-numbered years.

H 493 Preprofessional Internship (1-3-2) (FS). Three hours of internship in clinical setting under direction of a preceptor who is a practicing professional. Student keeps a record of experiences and discusses them at a weekly one-hour seminar. Prerequisite: Upper division standing, cumulative GPA above 3.25; recommendation of faculty advisor and consent of dean. H 302 strongly recommended.

H 498 Environmental Health Seminar (1-0-1) (FS). A discussion of environmental health management problems and concepts. Special emphasis on why problems occur and ways to develop community support in solving problems. May be repeated once for credit.

DEPARTMENT OF NURSING

Department Chairman & Associate Degree Faculty:
Science-Education Bldg., Rm 107

Phone 208/385-3900 (Chairman)
208/385-3907 (Faculty)

Baccalaureate Degree Faculty:

Health Science Bldg., 107

Phone 208/385-1767

Chairman and Professor: Dr. JoAnn T. Vahey; Director, Baccalaureate Degree Program and Professor: Dr. Charlotte Galé; Director, Associate Degree Program and Associate Professor: Dr. Virginia Nehring; Coordinator, BSU/Northwest Nazarene College Cooperative Nursing: Judith Johnson; Project Director, Demo Model for Continuing Education in Nursing: Molly Young; Associate Professors: Farnham, Fleming, Fountain, Matson, Penner, Smith, Wilcox; Assistant Professors: Baker, Carpenter, Hart, Job, D. Johnson, Laws, Lynch, Taylor; Instructors: Eno, Jablonski, Peterson, Wimmer, Wise; Advisory Board: JoAnna DeMeyer, Gene Hansen, Dorothy Krawczyk, Laura Larson, Jacqueline Mason, Katherine Nelson, Mary Nelson, Celeste Rush, Ellen Smith, Bonnie J. Sumter, Ann Young.

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 RN'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.

LOWER DIVISION ASSOCIATE DEGREE

DESCRIPTION

This program prepares individuals to function at a beginning level in giving care to patients. Nursing courses include theory

and clinical laboratory experiences, primarily in hospitals and other acute care settings. In the clinical component of each nursing course, one credit hour represents three hours of clinical and/or campus laboratory time. During the freshman year, there is an average weekly number of nine to twelve clinical practice hours and during the sophomore year, twelve to fourteen hours per week, which may be scheduled days, afternoons, or evenings, between the hours of 6:30 a.m. and 11 p.m.

The standard for advancement in the program is a 2.75 GPA or above as well as a minimum grade of C in all required general education and nursing courses. Theory courses in nursing and required general education may be repeated only once. Clinical courses in nursing may not be repeated.

The program is accredited by the Idaho Board of Nursing and the National League for Nursing. A graduate is eligible to write the State Board Examination for licensure as a Registered Nurse (R.N.).

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 includes courses in general education as well as nursing. General education courses provide support knowledge for nursing courses. The nursing courses utilize the nursing process as a system of learning. Content is focused on the identified basic health needs of all individuals. A planned program of clinical practicum in health care agencies is the major learning experience in the application of theoretical content and in the development of clinical nursing skills.

It is recognized that students vary widely with respect to age and life experiences. Therefore, a program of student advisement by the nursing faculty is essential in assisting students to meet their career goals.

ADMISSION

Students may enter the Associate Degree Nursing Program in the fall semester. The number of students admitted each year is limited by the availability of personnel and clinical resources in the community.

REQUIREMENTS

Applicants must meet the general University requirements as well as the stated requirements for the Associate Degree Nursing Program in one of the four categories listed below:

1. High school graduates will be considered for admission on the basis of ACT or SAT scores and a GPA of 2.75 or above at the completion of the 7th semester of high school.
 ACT: A composite standard score of not less than 20, plus a 70th percentile rating.
 SAT: Total score of at least 888.
2. College students who have earned a minimum of 12 semester college credits in Biological, Physical or Social Science, and English will be considered for admission on the basis of a 2.75 GPA or better earned in those college courses.
3. Transfer students from other collegiate (AD or BS) schools of nursing to the Associate Degree Nursing Program at BSU are required to submit applications and meet the admission requirements according to the appropriate category and standards as outlined in paragraphs 1 and 2 above. In addition, a recommendation from the applicant's previous school of nursing is required. Admission is always dependent upon availability of space in the courses the applicants need for completion of the program.
4. Licensed practical nurses and diploma school of nursing transfer students may apply for advanced placement as sophomore nursing students by meeting the following criteria:

- a. submit records verifying previous education,
- b. submit current evidence of licensure (L.P.N.),
- c. complete N 114, Orientation to Associate Degree Nursing, during the fall semester of the year prior to the year of planned enrollment in the sophomore nursing courses,
- d. complete all freshman general education courses which are prerequisites to sophomore nursing courses with a GPA of 2.75 or better as well as a grade of C or better in required general education courses,
- e. pass the required ACT proficiency exams with a score of 45 or better:
 1. Nursing Health Care
 2. Commonalities in Nursing I
 3. Commonalities in Nursing II
 4. Maternal Child Nursing—Associate Degree Level
- f. pass the freshman level clinical performance evaluation given during the spring semester only.

ALL applicants admitted to the nursing program are required to:

1. Submit a statement from a physician that the applicant possesses the mental and physical health to meet the requirements of being an active and a successful student in the program as well as for being employed in the practice of nursing following graduation.
2. Submit a negative PPD or a chest x-ray plus a documented Rubella immunity report to the Associate Degree Nursing Program by July 15 of the year in which the student plans to enter the program.
3. Submit \$75.00 as prepayment for student name pin, uniform badge, malpractice insurance, and standardized National League for Nursing examinations. Required of all students throughout the program. This is a one-time charge upon admission to the program.

APPLICATION PROCESS

1. Make application for admission to BSU and the Department of Nursing, Associate of Science in Nursing Degree Program. Both application forms are available from the Administration Building, Room 101.
2. Submit an official high school transcript or GED test score, ACT or SAT scores, and official transcripts of all previous college work. LPN's applying for advanced placement must also submit evidence of previous education as well as of current licensure. This evidence must be received by the Admission Office prior to March 1 preceding the fall in which enrollment is planned.
3. Complete all application requirements during the period of September 1 to March 1 prior to the date of anticipated enrollment in nursing courses.
4. Late applications will be accepted only if space is still available in the nursing program.

REQUIREMENTS

A. General Education Requirements	
English Composition E 101-102	6
Chemistry C 107-108	4
Anatomy and Physiology Z 111-112.....	8
General Psychology P 101	3
Nutrition HE 207	3
Microbiology B 205	4
Sociology SO 101.....	3
Electives	3
	34
B. Nursing Major	
Basic Health Needs	16
N 140-141	4
N 150-151	4
N 160-161	4
N 170-171	4
Deviations from Basic Health Needs	16
N 220-221	4
N 230-231	4

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N 240-241	4
N 250-251	4
Nursing Seminar	2
N 280-290	2
*Nursing Practicum N 201	2
	<hr/> 34

*Recommended but not required.

FULL-TIME NURSING STUDENT (Suggested Program)

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
Essentials of Chemistry C 107-108	4	—
Nutrition HE 207	3	—
Human Anatomy and Physiology Z 111-112 ..	4	4
English Composition E 101	—	3
General Psychology P 101	—	3
Basic Health Needs N 140-141	4	—
Basic Health Needs N 150-151, 160-161, 170-171	4	8
	<hr/> 19	<hr/> 18

All of the above courses must be completed before entering the sophomore year nursing courses.

SOPHOMORE YEAR:

Microbiology B 205	4	—
English Composition E 102	—	3
Introduction to Sociology SO 101	—	3
Electives (may include N 201)	3	—
Deviations from Basic Health (choose two) N 220-221, 230-231, 240-241, 250-251	8	8
Nursing Seminar N 280-290	1	1
	<hr/> 16	<hr/> 15

THE ASSOCIATE OF SCIENCE DEGREE IN NURSING MAY BE COMPLETED IN 4 SEMESTERS BY TAKING 15-19 CREDITS PER SEMESTER. APPLICANTS, HOWEVER, ARE ADVISED TO COMPLETE THE REQUIRED CHEMISTRY, ANATOMY AND PHYSIOLOGY AND MICROBIOLOGY COURSES BEFORE ENTERING THE PROGRAM.

UPPER DIVISION BACCALAUREATE DEGREE

This program has two major purposes:

- To enable registered nurses to earn the baccalaureate degree with a major in nursing;
- To provide the base for graduate study in nursing.

Admission to this program is limited to registered nurses graduated from associate degree or diploma schools of nursing who meet admission requirements.

Graduates are awarded the Bachelor of Science in Nursing Degree and will be prepared for independent, collaborative, and leadership responsibilities in the delivery of health care services. All graduates in this program are prepared for first-level positions in community health nursing. The BSN program is approved by the Idaho State Board of Nursing and accredited by the National League for Nursing.

Philosophy

Professional nursing education includes both general education and nursing components. General education components provide knowledge of the Humanities, Social, and Physical Sciences. The curriculum focuses on dynamic states of health as well as illness of individuals, families, and the community. This knowledge base assists the nurse in identifying and understanding health status of individuals, families, and the community and in designing alternatives in coping with changes in that status. Further, the professional nursing curriculum promotes refinement and development of nursing practice through utilization and evaluation of nursing research, as well as by employment of theoretical and empirical knowledge derived from general education. This curriculum facilitates the development of collegiality, collaboration and consumer advocacy.

Professional nursing emphasizes the promotion and restoration of health and the prevention of illness through utilization of the nursing process. This process includes activities of assessment, planning, intervention and evaluation in health care delivery. In applying nursing process, the professional nurse demonstrates the art of clinical judgment — the capacity to think critically as a basis for selection, implementation and evaluation of strategies to meet health care needs of individuals, families, and the community. The professional nurse is prepared to provide health care services ranging from simple to complex for individuals, families and groups of all ages and in a wide variety of settings. The professional nurse understands the dynamics of small and large groups and utilizes communication skills which facilitate effective functioning.

The current demand for improved health care requires the professionally prepared nurse. This individual must be able to: (1) accept responsibility and accountability for his/her own actions; (2) critically analyze and respond to emerging scientific and humanistic advances in knowledge and the potential for implementation in the health care delivery system; and (3) participate in identifying health care trends, predicting health care needs in a changing society, and in developing new nursing roles and strategies for meeting those needs.

Pre-Entrance Advisement

Potential applicants should contact the program office to obtain advisement as far in advance of their application date as is possible. Revision of admission qualifications or application procedures, as well as year-to-year variations in the scheduling of courses, will have implications for the potential student's academic plans. By establishing early contact with the program advisors, the potential student will be kept advised of such changes so that the student is able to plan more effectively to ensure eligibility for admission by the date which the potential student desires.

The potential student must take the initiative for contacting a program advisor. This is best done immediately following the initial request to the Admissions Office for information about the program. During the time when the student is attempting to qualify for admission, the program advisor will provide academic advisement. Candidates for admission who fail to utilize this service, or who apply too late to receive pre-entrance advisement, run the risk of discovering that they have not completely qualified for admission by the date which they have chosen.

Admission, Application and Enrollment

To qualify for admission, applicants must:

- Possess current license as a registered nurse and secure Idaho licensure prior to enrollment in Upper Division nursing courses.
- Have maintained a GPA of 2.75 or better in 37-41 semester credits in general education courses, including the following:
 - English Composition E 101-102 3 or 6
 - Microbiology B 205 4
 - Nutrition HE 207 3
 - Behavioral Science (Area II) P 101, SO 101 6
 - Humanities (Area I) 6
 - Chemistry C 107-108, 109-110 9
 - Human Anatomy and Physiology Z 111-112 8
- Have passed the required theoretical and clinical nursing tests (information on these tests is available from the Baccalaureate Program Office).

To apply for admission, the applicant must:

- Request from the Admission Office an application to the University (if not previously admitted) and the special application form for the Baccalaureate Nursing Program.
- Have completed the following actions by March 1, preceding the fall semester in which enrollment in upper division nursing courses is planned:
 - Return completed application forms to the Admissions Office.
 - Submit transcripts from all institutions of higher education which candidate has attended. It may take 6-8 weeks for

transcripts to be processed and mailed so adequate time should be allowed. Graduates of diploma schools of nursing who took college courses in conjunction with their nursing program must submit transcript(s) from college(s) attended. The nursing school transcript, even though it lists such courses, cannot be used as an official record of courses completed in institutions of higher education.

- c. Have taken, or applied to take, the required nursing tests as described under Item 3, Qualification for Admission.
- d. Submit a nursing school transcript if a graduate of a diploma school of nursing.

To qualify for enrollment, the candidate must:

1. Return the form indicating intent to enroll. This form is sent to the candidate when he/she is notified of acceptance in late April or early May. Failure to complete and return the form by the required date will result in removal of the candidate's name from the listing of students to be admitted that fall.
2. Arrange to attend an orientation session usually lasting half a day and scheduled immediately prior to registration for the fall semester. Accepted students will be notified regarding the time and place of this meeting. The Baccalaureate Program Student Handbook will be distributed at this meeting.
3. Secure malpractice insurance so that insurance is in force prior to enrollment in any nursing courses with a clinical practicum.
 - a. For full-time students, insurance will be needed at the beginning of the spring semester of the junior year and thereafter throughout the program.
 - b. For students who plan to complete the junior year on a part-time basis, insurance will not be needed until the spring semester of the second year of enrollment and thereafter throughout the program.

Failure to have the necessary insurance in force at the time it is required will render the student ineligible to enroll in any nursing course with a clinical practicum. This will almost certainly result in delaying anticipated graduation. Information concerning sources of malpractice insurance will be provided at the orientation meeting held immediately prior to registration for the fall semester.
4. Have completed all requirements for admission prior to entering the first semester of the nursing program in the fall. This regulation applies to candidates who are given conditional admission, pending completion of requirements.

General information regarding admission, application and enrollment:

1. Candidates should apply by the March 1 deadline even if they have coursework to complete prior to their anticipated enrollment in the fall semester of that year. If it appears that they will have completed requirements in time for fall enrollment, then a conditional admission will be granted, pending completion of requirements by the time of anticipated enrollment.
2. Late applications will be accepted if vacancies still exist in the class to be admitted. Such applications will be considered in the order in which they are received by the Director of the Baccalaureate Nursing Program.
3. Enrollment is regulated according to available faculty, clinical facilities and other resources. If more fully qualified candidates have applied by March 1 than can be admitted, those candidates will be ranked according to the GPA and admission will be granted in order to those with the higher GPA. Remaining fully qualified applicants will be placed on a waiting list. As vacancies occur in the list of admitted students, the next candidate on the waiting list will be granted admission. Conditionally qualified applicants will be considered for admission only after all candidates who are fully qualified by March 1 have been admitted.
4. Candidates are not required to have had a specified period of work experience, however, they are strongly advised to have had one year of nursing practice within the two-year period immediately preceding anticipated enrollment in the Baccalaureate Nursing Program. General staff nursing practice is

recommended for those who have recently obtained licensure or who have not been actively engaged in nursing during the two years immediately preceding anticipated enrollment.

5. Students are expected to provide their own transportation to clinical agencies when enrolled in a nursing course with a clinical practicum. For full-time students this will begin in the spring of the junior year and continue throughout the remainder of the program. For students who take the junior year on a part-time basis, this will begin in the second spring semester of enrollment in the nursing program and continue throughout the remainder of the program.

Progression and Graduation

In order to progress through the program and qualify for graduation, students must meet all University requirements for the BS degree as well as the requirements for the nursing major, including required support courses. A GPA of 2.75 or better must be maintained and all nursing and support courses must be completed with a grade of C or better. Students may repeat, once only, theory and simulated practicum courses in nursing and required support courses. The clinical practicum of any nursing course may not be repeated if a grade of D or F was earned.

Students whose GPA falls below 2.75 or who receive less than a C in theory and simulated practicum courses in nursing or in required support courses may be eligible for academic probation. Probation for one semester only will be considered by the faculty if, in their opinion, probation is warranted based upon the individual student's circumstances. Failure to achieve the required grade or GPA by the end of the one probationary semester automatically disqualifies the student from further study in the Baccalaureate Nursing Program. Probation will be granted only once. In cases which require probation for a year because the necessary course is not available in the semester immediately following that in which the academic deficiency was incurred, faculty may grant probation for that period of time; however, the student may be required to delay progression in the nursing curriculum until the deficiency has been removed.

Ordinarily, the full-time student who carries 15-16 credits per semester can anticipate completing the program in two years. Depending upon the availability of courses when needed, attendance at summer school may be necessary in some cases to complete area and elective requirements as specified by the University.

In order to maintain the educational quality of the program and to protect students from losing credits as a result of changes in curriculum or academic policies, part-time students are subject to some regulations as follows:

1. They must complete degree requirements within four years from the initial enrollment in 300 level nursing courses.
2. They must maintain continuous enrollment in nursing courses for both fall and spring semesters.
3. They must follow the prescribed sequencing of nursing courses for part-time students.
4. All 300 level nursing courses must be completed before enrollment in any 400 level nursing courses.

A waiver of any one of these regulations may be granted, upon petition to the faculty, for appropriate reasons such as, but not restricted to, illness, academic probation, and family emergencies. The faculty advisor will assist students to prepare petitions.

Progression in the program is carefully monitored by faculty advisors. Each student who is admitted to the program is given an assigned advisor and the student is expected to confer with this advisor at least once a semester in order to evaluate his/her progress in the program and to plan registration for the next semester. Advisors are also available to students for general academic counseling during fall and spring semesters. Office hours are posted on each faculty member's door.

The assigned advisor is the first person the student should consult regarding problems relevant to progress in the baccalaureate nursing curriculum. If the advisor is unable to help the student resolve a problem, the advisor will refer the student to another

SCHOOL OF HEALTH SCIENCES

resource person. The advisor and student share the responsibility for monitoring the student's progression in the program so that graduation requirements are met.

Further information can be obtained by writing to: Baccalaureate Program in Nursing, Boise State University, 1910 University Drive, Boise, ID 83725, Phone (208) 385-1767.

CURRICULUM

This section contains programs for both full-time and part-time students, as well as course descriptions. Full-time students should be able to complete the program in two years. Students who attend part-time throughout their entire program should complete the curriculum in four academic years and the sequence given for nursing courses must be followed. Students who wish to attend full-time for one year and part-time for two years must follow the required sequence for the level of courses taken on a part-time basis.

**FULL-TIME STUDENT
(Suggested Program)**

	1ST SEM.	2ND SEM.
JUNIOR YEAR:		
Professional Nursing I N 302	2	—
Professional Interactions N 308	2	—
Practicum: Professional Interactions N 309	1	—
Health-Illness I N 360	2	—
Practicum: Health-Illness I N 361	3	—
Pathophysiology H 300	4	—
Sociology of the Family SO 340	3	—
Family and Group Interactions N 328	—	2
Practicum: Family/Group Interactions N 329	—	2
Health-Illness II N 362	—	2
Practicum: Health-Illness II N 363	—	2
Nursing Research N 390	—	2
Practicum: Nursing Research N 391	—	1
Applied Pharmacotherapeutics H 306	—	3
Humanities (Area I)	—	3
	17	17
SENIOR YEAR:		
Families & Groups Under Stress N 408	1	—
Practicum: Families & Groups Under Stress N 409	2	—
Nursing in Community Health N 410	2	—
Practicum: Nursing in Community Health N 411	2	—
Health-Illness III N 430	2	—
Practicum: Health-Illness III N 431	3	—
Humanities (Area I)	3	—
Electives (Area III)	2	—
Professional Nursing II N 402	—	2
Health-Illness IV (1st 8 weeks) N 432	—	1
Practicum: Health-Illness IV (1st 8 weeks) N 433	—	1
Practicum: Health-Illness V (2nd 8 weeks) N 435	—	3
Electives (Area II, III)	—	3
Electives (Area II) Not Psychology or Sociology	—	3
	17	13

**PART-TIME STUDENT
(Suggested Program)**

	1ST SEM.	2ND SEM.
FIRST YEAR:		
Professional Nursing I N 302	2	—
Pathophysiology H 300	4	—
Sociology of the Family SO 340	3	—
Nursing Research N 390	—	2
Practicum: Nursing Research N 391	—	1
Applied Pharmacotherapeutics H 306	—	3
Humanities (Area I)	—	3
	9	9

SECOND YEAR:

Professional Interactions N 308	2	—
Practicum: Professional Interactions N 309	1	—
Health-Illness I N 360	2	—
Practicum: Health-Illness I N 361	3	—
Family & Group Interactions N 328	—	2
Practicum: Family & Group Interactions N 329	—	2
Health-Illness II N 362	—	2
Practicum: Health-Illness II N 363	—	2
Electives	—	2
	8	10

THIRD YEAR:

Families & Groups Under Stress N 408	1	—
Practicum: Families & Groups Under Stress N 409	2	—
Nursing in Community Health N 410	2	—
Practicum: Nursing in Community Health N 411	2	—
Electives (Area II, III)	—	3
Electives (Area II) Not Psychology or Sociology	—	3
Independent Study (if desired)	—	—
	7	6

FOURTH YEAR:

Health-Illness III N 430	2	—
Practicum: Health-Illness III N 431	3	—
Electives (Area I, II, III)	3	—
Professional Nursing II N 402	—	2
Health-Illness IV (1st 8 weeks) N 432	—	1
Practicum: Health-Illness IV (1st 8 weeks) N 433	—	1
Practicum: Health-Illness V (2nd 8 weeks) N 435	—	3
	8	7

COURSE OFFERINGS

N NURSING

N 114 Orientation to Associate Degree Nursing for Advanced Placement Student (1-0-1) (F). Required for LPNs who wish to challenge freshman level AD nursing courses. Focuses on the necessary changes in role from LPN to RN and the theoretical basis of nursing practice.

N 140-141 Introduction to Basic Health Needs (2-0-2) (0-6-2) (F) 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 nursing major.

N 150-151, 160-161, 170-171 Basic Health Needs (2-0-2) (0-6-2) 8 week units. Nursing process is utilized to meet basic health needs as related to health care of persons of all ages 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.

N 201 Nursing Practicum (0-2-2). This elective course provides a concentrated period of clinical experiences in health care agencies for sophomore nursing students to extend learning on an individual basis. Prerequisite: Sophomore in ADN program.

N 220-221 Deviations From Basic Health—Related to Mental Health (2-0-2) (0-8-2) 8 week unit. Utilizes nursing process to present deviations from basic health with emphasis on mental health/mental illness of persons of all ages. Provides opportunity to develop skills in the care of patients in a mental health unit and other acute care settings. Prerequisite: Sophomore in ADN program.

N 230-231 Deviations from Basic Health—Related to Oxygen (2-0-2) (0-8-2) 8 week unit. Utilizes nursing process to present deviations from basic health with emphasis on oxygen need for persons of all ages. Provides the opportunity to develop skills in hospital medical-surgical area with specific reference to psychophysiological assessment and nursing care planning for patients with oxygen deficiency. Prerequisite: Sophomore in ADN program.

N 240-241 Deviations from Basic Health—Related to Nutrition and Elimination (2-0-2) (0-8-2) 8 week unit. Utilizes nursing process to present deviations from basic health with emphasis on the basic need for nutrition and elimination for persons of all ages. Provides opportunity to develop skills in the nursing care of patients in the pediatric and medical-surgical areas. Prerequisite: Sophomore in ADN program.

N 250-251 Deviations from Basic Health—Related to Activity (2-0-2) (0-8-2) 8 week unit. Utilizes nursing process to present deviations from basic health with emphasis on the basic need for activity for persons of all ages. Provides opportunity to develop skills in nursing care of patients in the medical-surgical and rehabilitation areas. Prerequisite: Sophomore in ADN program.

N 280-290 Nursing Seminar (1-0-1). Philosophy of health care and the role of the graduate as a registered nurse. Ethical and legal implications and other factors affecting nursing practice are discussed. Prerequisite: Sophomore in ADN program.

JUNIOR YEAR

N 302 Professional Nursing I (2-0-2) (F). Theoretical and historical perspectives in nursing. Roles and characteristics of the professional nurse today. Conceptual foundations of professional nursing. Exploration of leadership styles and issues in nursing. Identification of individual professional goals. Prerequisite: Admission to BSN program.

N 308 Professional Interactions (2-0-2) (F). Theoretical base for communication in professional nursing practice, emphasizing assertiveness, therapeutic communication, group process and leadership in groups. Prerequisite or corequisite: N 302. Corequisite: N 309, 360.

N 309 Practicum: Professional Interactions (0-2-1) (F). Simulated laboratory for N 308. Corequisite: N 308.

N 328 Family and Group Interactions (2-0-2) (S). Theoretical base for application of nursing process to promote optimal health for individuals and families in community settings. Focus on use of communication base in situational and maturational family crises. Prerequisite: N 308, 360, SO 340. Prerequisite or corequisite: N 390. Corequisite: N 329, 362.

N 329 Practicum: Family and Group Interactions (0-6-2) (S). Clinical laboratory for N 328. Corequisite: N 328.

N 360 Health—Illness I (2-0-2) (F). Theoretical base for nursing practice from developmental, systems, stress-adaptation and high-level wellness categories of theories. Overall perspective on biopsychosocial adaptation by individuals throughout major phases of life cycle. Focus on assessment of individual health status/potential. Prerequisite or corequisite: N 302, H 300. Corequisite: N 361, 308.

N 361 Practicum: Health—Illness I (0-9-3) (F). Clinical laboratory for N 360. Corequisite: N 360.

N 362 Health—Illness II (2-0-2) (S). Application of theoretical base for nursing practice to children through adolescence and child-bearing families to help them achieve/maintain health. Emphasis on assessment of biopsychosocial stresses and adaptive requirements as basis for planning care. Prerequisite: N 308, 360, SO 340. Prerequisite or corequisite: N 390, H 306. Corequisite: N 363, 328.

N 363 Practicum: Health—Illness II (0-6-2) (S). Clinical laboratory for N 362. Corequisite: N 362.

N 390 Nursing Research (2-0-2) (S). Introduction to research concepts, research process and selected approaches to health care research. Practice in defining researchable problems, processing qualitative data, and evaluating research findings for application to nursing practice. Prerequisite: N 302. Corequisite: N 391.

N 391 Practicum: Nursing Research (0-2-1) (S). Simulated laboratory for N 390. Corequisite: N 390.

SENIOR YEAR

N 402 Professional Nursing II (2-0-2) (S). Leadership role of professional nurse in improvement of health care services and advancement of nursing profession. Emphasis on emerging nursing roles and issues and trends which affect nursing. Examination of individual goals relevant to professional commitments. Prerequisite: N 408, 410, 430. Corequisite: N 432, 435.

N 408 Families and Groups Under Stress (1-0-1) (F). Theoretical base for application of nursing process to facilitate adaptation of individuals, families and groups to complex mental health and psychiatric problems. Emphasis on therapeutic communication. Prerequisite: All 300 level nursing and support courses. Corequisite: N 409, 410.

N 409 Practicum: Families and Groups Under Stress (0-6-2) (F). Clinical laboratory for N 408. Corequisite: N 408.

N 410 Nursing in the Community (2-0-2) (F). Theoretical and historical perspectives on community problems in relation to professional nurse roles. Application of nursing process in assessing communities to identify needs as a basis for planning improved health care service. Prerequisite: All 300 level nursing and support courses. Corequisite: N 411, 408.

N 411 Practicum: Nursing in the Community (0-6-2) (F). Clinical laboratory for N 410. Corequisite: N 410.

N 430 Health—Illness III (2-0-2) (F). Application of theoretical base for nursing practice to individuals of all ages and families to facilitate their adaptation to life-threatening illnesses/trauma. Continuing use of nursing process with emphasis on implementation and evaluation of care. Prerequisite: or corequisite: N 408, 410.

N 431 Practicum: Health—Illness III (0-9-3) (F). Clinical laboratory for N 430. Corequisite: N 430.

N 432 Health—Illness IV (1-0-1) (S). Application of theoretical base for nursing practice to individuals of all ages and families to facilitate their adaptation to chronic illness. Continuing use of nursing process with emphasis on implementation and evaluation of care. First 8 weeks of semester. Prerequisite: N 408, 410, 430. Corequisite: N 402, 433, 435.

N 433 Practicum: Health—Illness IV (0-3-1) (S). Clinical laboratory for N 432. First 8 weeks of semester. Corequisite: N 432.

N 435 Practicum: Health—Illness V (0-9-3) (S). Student will contract for specific leadership and clinical experience which builds upon knowledge and skills gained from previous nursing courses. Last 8 weeks of semester. Prerequisite: N 408, 410, 430. Corequisite: N 402, 432.

DEPARTMENT OF PREPROFESSIONAL STUDIES

Health Sciences Bldg., Rm. 101

Phone 208/385-1787

Dean and Professor: Dr. Victor H. Duke

The Preprofessional Studies Department has responsibility to those students who intend to apply to a professional school in one of the Health Sciences, particularly those who have declared a major in pre-Medicine, pre-Dentistry, pre-Dental Hygiene, pre-Occupational Therapy, pre-Optometry, pre-Pharmacy, pre-Physical Therapy, pre-Veterinary Medicine, and pre-Chiropractic, etc.

In view of the specialized nature of each program the student should seek regular counsel from the advisor who has been designated for his or her major field of interest. A handbook for preprofessional students is available from the advisors and should be used as a reference.

Students who intend to apply to professional schools should be aware of deadlines established by the professional schools and testing organizations for submitting application materials and taking admissions examinations. Medical College Admission Testing, Dental Admission Testing, 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. Deadlines change from year to year. The student is responsible for ascertaining from the appropriate advisor the specific deadlines and fees which pertain to the application process and admission testing for the particular program.

In addition to their academic coursework the Preprofessional Studies students have opportunities and are encouraged to work in and observe at first hand the practice and delivery of health care in a clinical environment.

Qualified students may register for an internship of two credits per semester. These students will work and study in a clinical environment with a practicing physician, dentist, or veterinarian, etc. Prerequisite: 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.

Baccalaureate degree programs:

Pre-Dentistry with Biology or Chemistry options

Pre-Medicine with Biology or Chemistry options

Pre-Veterinary Medicine

Non-degree programs:

Pre-Dental Hygiene

Pre-Occupational Therapy

Pre-Physical Therapy

Pre-Optometry

Pre-Pharmacy

PRE-DENTISTRY — BIOLOGY OPTION — BS

Science-Education Bldg., Rm. 223

Phone 208/385-3499

Advisor: Dr. Charles W. Baker

PRE-MEDICINE — BIOLOGY OPTION — BS

Science-Education Bldg., Rm. 223

Phone 208/385-3520

Advisor: Dr. H. K. Fritchman

REQUIREMENTS

General University and Basic Core	21
English Composition E 101-102	6
General Psychology P 101	3
Zoology Z 130	5
Botany BT 130	4
Cell Biology B 225	3
General Bacteriology B 303	5

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Comparative Anatomy Z 301	4
Vertebrate Embryology Z 351	4
Physiology Z 401, 409	4
Genetics with or w/o Lab B 343-344	3-4
Vertebrate Histology Z 400	4
College Chemistry C 131-134	9
*Organic Chemistry C 317-320	8-10
Biochemistry with or w/o Lab C 431-432	3-4
General Physics PH 101-102	8
Mathematics M 111-204	10
**Electives	21-25
Total must be at least	128

SUGGESTED PROGRAM

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
College Chemistry C 131-134	4	5
Mathematics M 111-204	5	5
Area II Courses	3	3
	15	16
SOPHOMORE YEAR:		
Botany BT 130	4	—
Zoology Z 130	—	5
*Organic Chemistry C 317-320	5	3-5
General Psychology P 101	3	—
Area I Courses	3	3
Electives	—	3-6
	15	17-19
JUNIOR YEAR:		
Cell Biology B 225	3	—
Comparative Anatomy Z 301	4	—
Genetics, with or w/o Lab B 343, 344	3-4	—
Vertebrate Embryology Z 400	—	4
General Physics PH 101-102	4	4
Area I Courses	—	3
Area II Courses	—	3
Electives	—	3
	14-15	17
SENIOR YEAR:		
General Bacteriology B 303	5	—
Vertebrate Histology Z 400	4	—
Physiology Z 401, 409	—	4
Biochemistry C 431-432	3	1
Area I Courses	—	3
Electives	3-5	9
	15-17	17

*Pre-Dental 8; pre-Medical 10

**Additional Upper Division credits so that Upper Division credits will total at least 40

PRE-DENTISTRY — CHEMISTRY OPTION — BS

Science Education Bldg., Rm. 223 Phone 208/385-3499
 Advisor: Dr. Charles W. Baker

PRE-MEDICINE — CHEMISTRY OPTION — BS

Science-Education Bldg., Rm. 316 Phone 208/385-3965
 Advisor: Dr. Richard C. Banks

REQUIREMENTS

General University and Basic Core	21
English Composition E 101-102	6
General Psychology P 101	3
Zoology Z 130	5
Botany BT 130	4
Cell Biology B 225	3
Comparative Anatomy Z 301	4
Genetics with or w/or Lab B 343, 344	3-4
Vertebrate Embryology Z 351	4
College Chemistry C 131-134	9
Organic Chemistry C 317-320	10
Bio or Analytical Chemistry with Lab C 431-432 or C 211-212	4-5

Physical Chemistry C 321-324	8
Instrumental Analysis C 411	4
Chemistry Independent Studies C 496	2
Chemistry Seminar C 498, 499	2
General Physics PH 101-102	8
Mathematics M 111-204	10
Mathematics M 205-206	8
*Electives	9-11

SUGGESTED PROGRAM

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
College Chemistry C 131-134	4	5
Mathematics M 111-204	5	5
Area II Courses	3	3
	15	16
SOPHOMORE YEAR:		
Botany BT 130	4	—
Zoology Z 130	—	5
Organic Chemistry C 317-320	5	5
Mathematics M 205-206	4	4
Area I Courses	3	3
	16	17
JUNIOR YEAR:		
Cell Biology B 225	—	3
Comparative Anatomy Z 301	4	—
Genetics, with or w/o Lab B 343, 344	3-4	—
Bio or Analytical Chemistry with Lab C 431-432 or 211-212	3-5	1
Area I Courses	—	6
	14-17	14
SENIOR YEAR:		
Physical Chemistry C 321-324	4	4
Instrumental Analysis C 411	4	—
Chemistry Independent Study C 496	1	1
General Psychology P 101	3	—
Chemistry Seminar C 498, 499	1	1
Area II Courses	—	3
Electives	3	8-9
	16	17-18

*Additional Upper Division credits so that Upper Division credits will total at least 40.

PRE-VETERINARY MEDICINE — BS

Science-Education Bldg., Rm. 223 Phone 208/385-3504
 Advisor: Dr. Russell J. Centanni

A shared curriculum agreement exists between the Washington State University School of Veterinary Medicine and the State of Idaho. Under this agreement a number of Idaho residents are, each year, guaranteed admission to the WSU School of Veterinary Medicine. For those Idaho residents who plan 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.

The student must maintain a basic science GPA of at least 3.00; an overall GPA of at least 3.20, or 3.30 during the last 2 years of undergraduate study; and an average of at least 15 credit hours per semester. Candidates with the greater depth and breadth of academic background are given preference by WSU.

The General Aptitude Test of the Graduate Record Examination is normally to be taken in October preceding the year in which the student hopes to enter the WSU School of Veterinary Medicine.

Students are to acquire and record at least 300 hours of exposure to veterinary medicine while employed by or working on a volunteer basis for a graduate veterinarian during their undergraduate studies.

REQUIREMENTS

English Composition E 101-102	6
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Area I Requirements	12
Area II Requirements	12
Zoology Z 130	5
Botany BT 130	4
Cell Biology B 225	3
Bacteriology B 303	5
Genetics B 343-344	3-4
College Chemistry C 131-134	9
Organic Chemistry C 317-320	10
Biochemistry C 431-432	4
Mathematics M 111-204	10
General Physics PH 101-102	8
*Applied Animal Nutrition	3
Electives	34-35

Suggested Program

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
College Chemistry C 131-134	4	5
Mathematics M 111-204	5	5
Electives (Area I, II)	3	3
	15	16
SOPHOMORE YEAR:		
Botany/Zoology BT 130, Z 130	4	5
Organic Chemistry C 317-320	5	5
*Applied Animal Nutrition	3	—
Electives (Area I, II)	3	6
	15	16
JUNIOR YEAR:		
Cell Biology B 225	3	—
Genetics B 343, 344	—	3-4
General Physics PH 101-102	4	4
Electives	4	4
Electives (Area I, II)	6	3
	17	14-15
SENIOR YEAR:		
Bacteriology B 303	5	—
Biochemistry C 431-432	3	1
Electives	9	16-17
	17	17-18

*To be taken either as correspondence course through Washington State University or as special topic at BSU. If correspondence course is taken, an additional 3 credit elective is to be taken to fulfill graduation requirements.

NON-DEGREE PROGRAMS

PRE-DENTAL HYGIENE

Student Health Center, Room 117 Phone 208/385-1996
 Advisor: Duane Akroyd

This curriculum is designed for students interested in a professional career in Dental Hygiene. The program leads to a Bachelor of Science degree in Dental Hygiene. The suggested program outlined here is based upon an articulation agreement between Boise State University and Idaho State University whereby students may take the first two years of the curriculum at BSU and upon satisfactory completion of that academic work transfer to ISU to complete the professional courses. Students who plan to enroll are advised to see the pre-Dental Hygiene advisor and pattern their curriculum at BSU after that of the specific school to which they expect to transfer.

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Anatomy and Physiology Z 111-112	4	4
Chemistry C 107, 109	3	3
Chemistry C 108, 110	1	2
Mathematics	5	3
Introduction to Allied Health	1	—
	17	15

SOPHOMORE YEAR:

Speech CM 111	3	—
Zoology Z 130	4	—
Sociology SO 101	3	—
Psychology P 101	—	3
Microbiology B 205	4	—
Area I Courses	—	9
Nutrition HE 207	3	—
	17	12

PRE-OCCUPATIONAL THERAPY

2268 University Drive Phone 208/385-3383
 Advisor: Conrad Colby

Occupational Therapy schools differ considerably in their preprofessional requirements. A minimum of two preprofessional years is required, and more in the case of some schools. A student interested in this career is advised to consult the advisor, determine which of the several schools would be the student's choice, and pattern the preprofessional curriculum in line with the requirements of the desired schools.

PRE-OPTOMETRY

2268 University Drive Phone 208/385-3383
 Advisor: Conrad Colby

For students interested in preparing for optometry training, science courses should be preprofessional 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 admission, 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 pre-Optometry 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 degree.

The requirements for admission to the schools and colleges of Optometry vary. However, all Optometric schools and colleges require at least two years of pre-Optometric study which should include:

Suggested Program

General Biology or Zoology B 101-102	
Z 130	1 or 2 semesters
College Chemistry C 131-134	2 semesters
General Physics PH 101-102	2 semesters
English E 101, 102	1 to 2 semesters
College Mathematics	2 semesters

Additional courses that may be needed for the pre-Optometric program are:

- Psychology
- Social Science
- Philosophy
- Literature
- Organic Chemistry
- Microbiology
- Bacteriology
- Comparative Anatomy
- Physiology
- Statistics
- Algebra and Trigonometry
- Analytic Geometry
- Differential Calculus
- Integral Calculus

PRE-PHARMACY

Science-Education Bldg., Rm. 316 Phone 208/385-3477
 Advisor: Dr. Robert A. Hibbs

BSU students who wish to receive a Bachelor of Science in Pharmacy usually plan to take their preprofessional courses at

SCHOOL OF HEALTH SCIENCES

BSU and then transfer to the College of Pharmacy at Idaho State University. The Pharmacy program consists of two years of preparatory studies followed by three years in the College of Pharmacy at ISU. The curriculum outlined below is based upon the requirements of ISU. Students who intend to apply to Pharmacy schools other than ISU are advised to consult the pre-Pharmacy advisor and pattern their curriculum after that of the school to which they expect to transfer.

Suggested Program

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Chemistry C 131, 133	3	3
Chemistry Laboratory C 132, 134	1	2
Mathematics M 111	5	—
*Mathematics M 204	—	5
Electives	3-4	3-4
	15-16	16-17
SOPHOMORE YEAR:		
Zoology Z 130	5	—
Cell Biology B 225	—	3
Organic Chemistry C 317-318	3	3
Organic Chemistry Lab C 319-210	2	2
Microbiology B 205	—	4
Physics PH 101-102	4	4
Electives	3-4	—
	17-18	16

*When possible it is desirable to take M 204 the first semester and add General Botany BT 130 the second semester of the freshman year.

Quantitative Analysis C 211-212 can also be taken as a preprofessional course.

PRE-PHYSICAL THERAPY

Student Health Center, Room 117

Phone 208/385-1996

Advisor: Duane Akroyd

This curriculum is designed for students interested in a professional career in Physical Therapy. A minimum of two preprofessional years is required for admission to a school of Physical Therapy.

Suggested Program

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101-102	3	3
Anatomy and Physiology Z 111-112	4	4
Psychology P 101	—	3
Mathematics M 111	5	—
Chemistry Lecture C 131	3	—
Chemistry Laboratory C 132	1	—
Electives (Area I, II)	—	3
Chemistry Lecture C 133	—	3
Chemistry Laboratory C 134	—	2
	16	18

During the freshman year the student, in consultation with the advisor, should pattern the sophomore year according to the requirements of the Physical Therapy school the student is planning to attend.

COURSE OFFERINGS

H Health Sciences

For H Health Sciences courses see Department of Community and Environmental Health course descriptions.





PART VIII

GRADUATE SCHOOL

Dean: Kenneth M. Hollenbaugh, PhD

Graduate Program Coordinators

Business:

Associate Dean, School of Business: J. G. Doss, PhD

Education:

Associate Dean, School of Education: Clyde Martin, Ed.D

Public Administration:

Chairman, Political Science Department: Willard Overgaard, PhD

PROGRAMS

Boise State University offers the graduate degrees of Master of Business Administration, Master of Science in Accounting, Master of Arts in Elementary Education, Master of Arts and Master of Science in Secondary Education, and Master of Public Administration.

AREAS OF EMPHASIS

The Master of Arts in Elementary Education includes five areas of emphasis: (1) Curriculum and Instruction; (2) Content Enrichment; (3) Reading; (4) Special Education; (5) Early Childhood.

The Master of Arts/Science in Secondary Education includes an emphasis in each of the following areas: (1) Art, (2) Business Education, (3) English, (4) Earth Science, (5) History, (6) Mathematics, and (7) Music.

The Master of Public Administration Degree Program has three areas of emphasis: (1) General, (2) Human Services, and (3) Criminal Justice.

GRADUATE FACULTY

The graduate faculty is comprised of those full-time faculty who have been approved by the Graduate Council to teach graduate level courses, participate in the conduct of the graduate programs, and supervise graduate students. 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

GRADUATE SCHOOL

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 degree from an accredited institution, or furnishes proof of equivalent education.
2. The applicant has maintained a grade point average which meets the minimal requirements of the school in which he wishes to enroll.
3. Completion of the predictive examination required by the department as listed under department criteria.
4. Recommendation for admission by the department in which the applicant expects to work and approval by the Graduate School.

GRADUATE STATUS CLASSIFICATIONS FOR MATRICULATED STUDENTS

Applicants may be admitted to the Graduate School under three classifications.

Regular Status: The applicant 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 requires 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 credits of approved study.

Unclassified Status: Persons who feel qualified to profit from graduate courses may enroll in these under "Unclassified Status" provided the following conditions are met:

1. The applicant has successfully completed all courses that are prerequisite to the graduate course for which he is enrolling.
2. There is space available in the class.
3. The applicant has obtained permission to enroll in the course from the instructor or the graduate program director.

A student given "Unclassified Status" is admitted to the Graduate School but academic credits earned may not necessarily be accepted towards a graduate degree if the student applies for and is admitted to a graduate degree program 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 COURSES FOR UNDERGRADUATE CREDIT

Boise State University seniors may take up to two 500 level courses for Upper Division credit applied to their Bachelor Degree Program. The necessary permit forms are available through the Graduate Admissions Office and the office of each dean. Deter-

mination of what constitutes a senior for the purpose of this policy is left to the Graduate Dean.

GRADUATE CREDIT FOR SENIORS

A Boise State University senior, with the approval of the department in which he plans to work and the Graduate Dean, may enroll for graduate credit during his senior year insofar as these credits will not prejudice his graduation during that academic year. The necessary Senior Permit Forms are available at the Graduate Admissions Office and the office of each dean. Credits earned in this manner are "reserved" to count toward a graduate degree at BSU.

SCHOLARSHIP REQUIREMENTS

Academic excellence is expected of students doing graduate work. A student whose academic performance is not satisfactory may be withdrawn from the degree program by the Dean of the Graduate School upon the recommendation of the department or academic unit concerned.

To be eligible for a degree in the Graduate School, a student must achieve a grade point average of B (3.00) or better in all work, exclusive of deficiencies, specifically included in his program of study. No grade below B may be used for any 300 or 400 level courses in a graduate program. Grades below C cannot be used to meet the requirements of a graduate degree. Grades on transfer work will not be included in computing grade point average.

REPEAT, RETAKE POLICY

A student who earns a grade of D in a graded 500 series course at BSU may include no more than one repeated course toward a Master Degree Program. A student who earns a grade of F may not count a retaken course toward any Master Degree Program at Boise State University. Therefore, a student who gets an F in a required course is automatically excluded from further Master degree work. With a D in one of these courses there is a single chance of redemption.

CREDIT REQUIREMENTS

A minimum of thirty semester credits of coursework approved by the graduate student's supervisory committee is required. More than thirty semester credits may be required in certain programs.

SUPERVISORY COMMITTEE ASSIGNMENT

Upon admission of the applicant with regular graduate status, a supervisory committee, consisting of a chairperson and other faculty members, will be appointed by the department fielding the program. This supervisory committee or the advisor, as determined within each degree program of study, will establish with the student a program of study, direct any thesis or graduate projects, and administer final examination(s).

Students admitted with provisional status will be assigned a temporary advisor who will be responsible for building a tentative program of 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 semester credits of approved graduate work taken on the University campus is required. This requirement does not apply to students enrolled in any inter-institutional cooperative graduate program offered jointly by BSU and the other Idaho universities.

TRANSFER OF CREDITS

A maximum of nine semester graduate credits taken at other institutions may be transferred for credit toward a Master degree provided the courses are an acceptable part of the program of study planned by the student's supervisory committee. Such courses must have been taken in an accredited college or university. Only courses with A or B grade may be transferred to Boise State University for application to a graduate degree. In general, the transfer of extension credits is discouraged. Exception may

be made by departments after a detailed examination of the specific courses taken. No correspondence course will be accepted for graduate credit. All appropriate graduate work taken through inter-institutional cooperative graduate programs, if approved by the schools fielding the program, can be accepted as residence credit.

TIME LIMITATIONS

All work offered toward a Master degree from Boise State University must be completed within a period of seven calendar years. The seven-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 Degree Program, and the interval must include the date of graduation when the Master degree from BSU 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 •) 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 weeks before commencement.

CANDIDACY

A student should apply for admission to candidacy and graduation as soon as he has completed twelve 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.

The Program Development Form will be available from the schools offering graduate degree programs. The advisor or committee will field 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.

Any courses being offered as transfer credit, as credit reserved, or as residence credit through any inter-institutional cooperative program must be claimed at the time the Program Development Form is originally filed, or before the end of the first academic period (summer, fall or spring) after which the credit has been earned, whichever is the earlier date.

It is the responsibility of the graduate student to keep all program changes up to date for a graduate degree.

FINAL EXAMINATION REQUIREMENTS

The requirements of a final examination, written, oral, or both, in any non-thesis non-project program is optional with the depart-

ment 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 catalog. 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 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 MBA even if the student is admitted subsequently.

Credit Limitation in Courses Graded Pass or Fail and Directed Research

599—SHORT-TERM CONFERENCE OR WORKSHOP

A maximum of three credits earned with a grade of P will be allowed toward the credit requirements for a Master 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 nine credit hours, with no more than six credits in any one semester. The School of Business has a limitation of three credits of Internship and/or Directed Research for MBA students.

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 a G or G designation to carry graduate credit. The department or school concerned will have the right to limit the

GRADUATE SCHOOL

number of g or G credits which can count toward any degree for which it has responsibility, and in no case can more than one-third of the credits in a degree program be in courses at the 300 or 400 level. No course numbered below 500 carries credit unless the G or g is affixed.

1. g courses carry graduate credit only for graduate students in majors outside of the area of responsibility of the department or 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 Application for Graduate Degree which can be obtained from the Graduate Admissions Office or from the Dean of Business Education. The Bookstore will notify the student how to order the cap and gown for the graduation ceremony.

University-Wide Number of Graduate Offerings:

580-589	Selected topics
590	Practicum
591	Project
592	Colloquium
593	Research and 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 3 weeks or less.

GRADUATE PROGRAMS

School of Arts and Sciences

MASTER OF PUBLIC ADMINISTRATION

The Master 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 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 at the cooperating universities, a representative of the Office of the State Board of Education, and a representative of cooperative 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.

Some coursework in Humanities and Social Science (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 of the retention in the MPA program of a student with Provisional Status will be made after the completion of 12 credits of approved study, with the general requirements of a grade of B or better in the coursework taken.
- C. Receipt of 3 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 MPA program.
- E. Completion of the following prerequisite courses in undergraduate preparation or their equivalent (applicable to all students applying for admission to the MPA program).
 1. American National Government 3
 2. State, Local Government 3
 3. Introduction to Public Administration 3
 4. At least 3 credits in each of 2 of the following areas:
 - a. Sociology
 - b. Economics
 - c. Psychology
 5. At least 3 credits in 1 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 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 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 Catalog 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 coursework 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 coursework selected from the student's area of emphasis. All MPA candidates must complete final examination. Those following the thesis option will complete an oral examination covering the thesis and program coursework. The non-thesis option requires a written and oral examination over program coursework.

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 have 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 Department of Political Science 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 coursework 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 8 "core areas" listed under items 1 and 2 above.

Optional "Areas of Emphasis": At least 12 semester credit hours of coursework are to be taken in any **one** of the following areas of emphasis:

1. General Public Administration
2. Community, State & Regional Planning
3. Criminal Justice Administration
4. Public Health Administration
5. Public Finance, Budgeting & Administrative Management
6. Environment & 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 coursework 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 Area

(Note: Selection of courses is to be made in consultation with the student's major professor in the preparation of a MPA program development plan for each individual student.)

- A. **Administrative Theory, Organization, and Behavior**
Organization Theory & Bureaucratic Structure PO 487G
- B. **Public Management Techniques**
Fiscal Processes & Public Budgeting Process PO 510
Program Evaluation & Quantitative Analysis PO 511
Human Resource Management MG 541
Computer Applications for Management DP 542
- C. **Public Policy and Policy Analysis**
Public Policy Formulation & Implementation PO 520
- D. **Administrative Law**
Administrative Law PO 467G
- E. **The Executive & the Administrative Process**
The Role of the Executive in Policy Making PO 530
- F. **Intergovernmental Relations**
Intergovernmental Relations PO 469G
- G. **Community & Regional Planning**
(No course offering yet provided at BSU)
- H. **Comparative Public Administration & Planning Systems**
Comparative Public Administration PO 465G

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 BSU the student may select the remaining 12 credit hours of coursework from the courses listed below:

Comparative Public Administration PO 465G, Administrative Law PO 467G, Intergovernmental Relations PO 469G, Program Evaluation and Quantitative Analysis PO 511, The Role of the Executive in Policy Making PO 530

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:

Selected Topics:

Administrative Theory, Organization & Behavior PO 580
Public Management Techniques PO 581
Public Policy & Policy Analysis PO 582
Administrative Law PO 583
The Executive & the Administrative Process PO 584
Intergovernmental Relations PO 585

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Community & Regional Planning PO 586
Comparative Public Administration and
Planning Systems PO 587

Arrangements may also be made in the following courses:
Thesis PO 593

Reading and Conference PO 595

Directed Research PO 596

Conference/Workshop PO 599

B. Community, State and Regional Planning

(No course offering yet provided at BSU in the MPA program)

C. Criminal Justice Administration

Special Programs in Correctional Treatment CR 510

Special Problems of the Juvenile and Youthful
Offender CR 511

Reading and Conference CR 595

Seminar in criminal Justice Administration CR 598

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

Conflict & Change in Socio-Cultural
System SO 510

The Sociology of Age — Group Stratification SO 511

Social Demography SO 512

Selected Topics — Human Services

Administration SO 580

Reading and Conference SO 595

COURSE OFFERINGS

PO — POLITICAL SCIENCE COURSES

GRADUATE

PO 465G Comparative Public Administration (3-0-3) (F/S). Systematic examination and comparison of varied models and theories of administrative systems. Intranational and international studies. (Students enrolling in this course for graduate level credit will be assigned special requirements on preparation). Prerequisite: PO 303.

PO 467G Administrative Law (3-0-3) (FS). Sources of power and duties of administrative agencies, rules and regulations made by agencies through investigation and hearings, judicial decisions and precedents relating to administrative activities. (Student enrolling in this course for graduate credit will be assigned special requirements on preparation). Prerequisite: PO 303.

PO 487G Organizational Theory and Bureaucratic Structures (3-0-3) (FS). Socio-political analysis of theories and concepts of complex social organizations, their application to public administration and the inter-relationship between political science and sociological organizational theory. (Students enrolling in this course for graduate level credit will be assigned special requirements on preparation).

PO 510 Fiscal Processes and Public Budgeting Process (3-0-3) (FS). 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.

PO 511 Program Evaluation and Quantitative Analysis (3-0-3) (F/S). Application of social science research to administrative problems, including practical methods of gathering, analyzing, and interpreting data. Theory and basic techniques underlying quantitative analysis of public programs.

PO 520 Public Policy Formulation and Implementation (3-0-3) (FS). Process of policy-making both within an agency and within the total governmental process, emphasizing policy and program planning, policy implementation and the value system of administrators.

PO 530 Role of the Executive in Policy Making (3-0-3) (FS). The American executive: president, governor, and mayor. Consideration given to changes in institution settings and role conceptions. Role of the executive in policy-making process. Sources of strength and weakness and strategies used to enact their programs. Problems of relationship of executive to bureaucracy.

PO 580 Selected Topics — Administrative Theory, Organization and Behavior (3-0-3). To be offered as staff availability permits.

PO 581 Selected Topics — Public Management Techniques (3-0-3). To be offered as staff availability permits.

PO 582 Selected Topics — Public Policy and Policy Analysis (3-0-3). To be offered as staff availability permits.

PO 583 Selected Topics — Administrative Law (3-0-3). To be offered as staff availability permits.

PO 584 Selected Topics — Executive and Administrative Process (3-0-3). To be offered as staff availability permits.

PO 585 Selected Topics — Intergovernmental Relations (3-0-3). To be offered as staff availability permits.

PO 586 Selected Topics — Community and Regional Planning (3-0-3). To be offered as staff availability permits.

PO 587 Selected Topics — Comparative Public Administration and Planning Systems (3-0-3). To be offered as staff availability permits.

PO 590 Public Service Internship (variable credit). Arranged as field experience for those students with no prior experience in governmental or other organizational assignments. Such internships will be established and arrangements made for placement through the chairman of department of political science.

PO 593 Thesis (3 credits/semester). Selection of approved topic in public administration for major preparation and defense through consultation with major advisor.

PO 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.

PO 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. Course embodies research, discussions of the subject matter and procedures with a designated professor and a documental paper covering the subject of the independent study.

PO 599 Conference or Workshop (1 credit). Conferences or workshops covering various topics in public administration may be offered on an irregularly scheduled basis, according to student interest and staff availability. No more than 3 credits provided through conferences of workshops can be applied toward the MPA.

CR — CRIMINAL JUSTICE ADMINISTRATION COURSES

CR 510 Special Problems in Correctional Treatment (3-0-3) (F/S). Analysis of contemporary problems in the correctional programs of American society.

CR 511 Special Problems of the Juvenile and Youthful Offender (3-0-3) (F/S). Examination of current processes in juvenile justice, rehabilitation programs, probation and utilization of community-based resources. Emphasis will be placed on preventive rehabilitative measures at the local level.

CR 580 Selected Topics — Criminal Justice Administration (3-0-3). Examination, evaluation and research regarding contemporary problems in the criminal justice system. Students will be required to do extensive reading and inquiry into special areas of concern and interest.

CR 595 Reading and Conference (1 or 2 credits). Directed reading on selected materials in criminal justice administration and discussion of these materials, as arranged and approved through major advisor.

CR 598 Seminar in Criminal Justice Administration (2-0-2) (F/S). Intensive analysis of selected subject areas of the system of criminal justice administration. Prerequisite: CR 301.

SO — SOCIOLOGY COURSES

SO 501 The Sociology of Education (3-0-3). A sociological analysis of the American school system, its problems and the social forces that shape the schools in contemporary society.

SO 510 Conflict and Change in Socio-Cultural Systems (3-0-3) (F/S). Intensive examination of social and cultural change as related to technological evolution, value changes and the resultant conflict in society.

SO 511 The Sociology of Age Group Stratification (3-0-3) (F/S). Examination of the sociological effect of age as a major dimension of social organization and stratification in American society and Western civilization. The course will consider the effects of changing patterns of longevity, resultant changes in age distribution of the population as these factors affect social, economic, and political systems.

SO 512 Social Demography (3-0-3) (F/S). Techniques and methods for analyzing population growth, trends, and movement as reflected in actuarial data, birth-death rate; mobility, fertility and fecundity as these affect the societal patterns, especially planning for human service programs.

SO 580 Selected Topics — Human Services Administration (3 credits).

SO 595 Reading and Conference (1-2 credits). Directed reading on selected materials in human services administration and discussion of these materials as arranged and approved through major advisor.

School of Business

GRADUATE PROGRAMS IN BUSINESS

MBA in Business

MS in Accounting

OBJECTIVES

The objectives of the Boise State University programs leading to these graduate degrees are to further prepare candidates for careers in their chosen field. The MBA degree emphasizes the traditional approach of the development of managerial generalists, with a common body of functional knowledge given to

all students. While there is no area of emphasis or major available in the MBA program, once a student satisfies the functional core of courses, electives to achieve a minor degree of concentration are possible. The MS in Accounting degree is designed for those persons who have a Bachelor degree in Accounting, or its equivalent, and who desire to increase their competencies in the Accounting field. In addition, this course of study will assist students in their preparation for taking the CMA, CPA or other certification tests. For those who have already attained certification status, it will provide an excellent vehicle for maintaining and improving current proficiencies.

Students who wish to earn a second Master degree in Business must design a program to satisfy the degree requirements in consultation with the graduate program coordinator for the MBA or the graduate Accounting advisor for the MS in Accounting. Normally a minimum of 15 credit hours will be necessary to satisfy the requirements for a second Master degree. Those students entering with a prior graduate degree from another institution are advised that a maximum of 9 graduate semester credits may be accepted and applied toward a Master degree at Boise State University.

GENERAL PREREQUISITES FOR APPLICANTS

Admission will be granted to applicants who hold a Bachelor degree from an accredited college or university and who meet the standards set by the School of Business of Boise State University. Common to all programs is a foundation of prerequisite knowledge in basic fields of Business Administration. Students presenting a Bachelor degree in Business or Accounting normally will have completed most of these requirements as part of their undergraduate program. The Master of Business Administration program is also designed to serve the student who has completed his Bachelor degree in non-Business fields such as the Sciences, Engineering, and the Liberal Arts. Therefore, the students must demonstrate proficiency in prerequisites. These prerequisites may be fulfilled by satisfactory completion of coursework in these areas, or by successfully passing the acceptable CLEP examination, and any other local departmental requirements. The Master of Science in Accounting can be achieved by those students not holding a degree in Accounting, or its equivalent, only by accomplishing required coursework to receive a second degree in Accounting, or specifically designed programs to obtain the equivalent knowledge.

MATRICULATION REQUIREMENTS SPECIFIC PREREQUISITES FOR APPLICANTS

All applicants must meet the following undergraduate requirements or must fulfill these requirements prior to enrollment in Master classes. (New applicants for the programs should furnish documentary evidence of GMAT scores and copies of official transcripts upon initial application. For fall enrollment, students should arrange to take the GMAT by July. For spring enrollment, the GMAT should be taken no later than the October or November test date.)

- (a) Possession of a Bachelor degree from an accredited institution.
- (b) Demonstration of satisfactory academic competency by virtue of acceptable scores achieved by either of the following two formulae:
200 X overall GPA plus GMAT score must equal 1000 minimum
200 X junior/senior GPA plus GMAT score must equal 1050 minimum
- (c) For foreign students, in addition to the above formulae minima, a score of 525 on the TOEFL, or its equivalent, is necessary.
- (d) Prerequisites:
 1. Accounting (equivalent to one year)
 2. Economics (equivalent to one year)
 3. College level Mathematics (equivalent to one year)
 4. Management
 5. Business Law
 6. Marketing

7. Finance
8. Production Management
9. Data Processing
10. Business Statistics
11. For the MS student, sufficient Accounting courses to have achieved the Accounting degree or equivalent.
12. Business writing proficiency — must be demonstrated by passing a proficiency test. Failure to pass this test will require enrollment in OA 238, Applied Business Communications, or equivalent.

Students who are deficient in any prerequisite courses must remove these deficiencies prior to enrollment in Master level courses. Enrollment in courses without having removed all deficiencies will subject the student to administrative withdrawal, with no recourse, from these Master 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 Master degree.

THE MBA DEGREE

The Master of Business Administration degree consists of a minimum of 30 semester hours of credit from the offerings listed on the following pages or other graduate courses suitable to an MBA degree, as accepted by the MBA Admissions Committee.

Required Core Courses	21-24
Electives	9-6

Note: A student with a major in functional Business discipline such as Management, Marketing, Finance, Economics, or Accounting should not take the core course in that discipline, and may substitute any MBA elective in its place.

Students may elect a maximum of 6 credit hours from the 400 level "G" courses from the undergraduate School of Business program. Only those courses listed on the following pages are approved. Advisors should be consulted regarding those courses.

Under certain conditions with the approval of the MBA program coordinator and the Department head concerned, MBA students may earn up to a maximum of 3 credit hours of Directed Research and/or Internship credits which apply to graduation requirements.

MBA — REQUIRED CORE COURSES COURSE OFFERINGS

GB 510 Business and Its Environment (3-0-3) (FS). Examination of the interaction between business and the economic, social, political and legal order, both domestic and world wide. By utilizing analysis of particular situations, it focuses attention on the broad effects of this total environment upon the administration of business.

***GB 512 Statistical Methods for Business Decisions (3-0-3) (Alternate Semesters).** The application of the techniques and the reason for their employment in decision processes. Computer application programs are employed to assist in the learning process. Topics generally covered include: multiple regression analysis, forecasting and Bayesian decision theory. Prerequisite: GB 207, MG 301, DP 210 or equivalent courses.

***GB 514 Operations Research Methods for Decision Making (3-0-3) (Alternate Semesters).** An introduction to operations research, applying quantitative tools and interpreting the results. Particular attention is given to using the computer to analyze quantitative models. Typical areas covered are: linear programming, network models, and inventory control theory. Prerequisite: graduate standing, GB 207, DP 210 and MG 301 or equivalent courses.

*Student selects either GB 512 or GB 514.

MK 519 Marketing Management Concepts (3-0-3). Interdisciplinary analytical integration of marketing management concepts and theories with the organization and its environment. Emphasis on identifying opportunities, problems, selection and development of alternatives, formulation and implementation of strategies, plans, programs. Consumer industrial, institutional and international markets included.

FI 530 Financial Management (3-0-3) (FS). 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 multinational problems. Prerequisite: GB 512 or GB 514.

AC 532 Accounting — Planning and Control (3-0-3) (FS). Study of the planning and control processes to assist in the making of business decisions. Problems and cases are considered in profit planning and analysis, cost analysis for pricing, and capital budgeting. Overall objective is an understanding of techniques of cost planning and control.

MG 540 Organization Theory (3-0-3) (FS). Determinants and effects of organizational design, with history and current trends in organizations. Methods of analyzing ap-

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appropriate structure are discussed. Organizational behavior within the structural framework is explored with special attention to group dynamics, power, leadership and influence.

EC 560 Economics of Public Policy (3-0-3) (FS). Contribution of economic analysis to the justification, design and implementation of economic policy. The issues surrounding the need for public policy in a private property, market economy and the benefits and costs associated with government intervention. The relationships between the goals and the instruments of U.S. economic policy. Prerequisite: EC 201, 202.

GB 579 Business Policy Formulations (3-0-3) (FS). 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. Designed as a capstone for the last semester of the program.

MBA — ELECTIVE COURSES

BE 512 Business Research and Communication Techniques (3-0-3) (Intermittent). Analysis of current research and practice in managerial communications. Development of a critical sense and analytical ability through evaluation of communication research, reports, and case studies. Class discussion, lecture, individual reports and presentations, and small group activities.

DP 542 Computer Applications for Management (3-0-3) (F). Study of the impact of the computer on managers and on the environment in which managers work. Topics include data-base, MIS, the management decision process, and computer tools that can be used by managers in the decision process. Selected computer applications are explored.

MG 541 Human Resource Management (3-0-3) (F/S). Effective management of human resources including discussion of the supervisory processes conducive to reducing labor costs and increasing productivity. Special attention is given the human, organizational, and environmental constraints which limit managerial actions. Techniques for effectively functioning within these constraints.

MK 520 Marketing Problems (3-0-3) (Intermittent). Analytical approach to marketing problem solving and decision making. Covers market definition, personal selling, advertising and sales promotion, distribution channels, strategy formulation, product development procedures, and customer services. Case study approach is utilized.

Selected Topics — Contemporary topics offered intermittently:

AC 580 Selected Topics — Accounting (3-0-3).

DP 581 Selected Topics — Information systems (3-0-3).

EC 582 Selected Topics — Economics (3-0-3).

FI 583 Selected Topics — Finance (3-0-3).

MG 584 Selected Topics — Industrial Psychology (3-0-3).

MG 585 Selected Topics — Management (3-0-3).

MK 586 Selected Topics — Marketing (3-0-3).

590 Internship. Available on a selective, limited basis. MBA and MS 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) (F/S). Contemporary topics will be selected from the functional areas of business, based upon student interest and staff availability. Students may apply 3 hours of 599 toward MBA graduation credit.

UNDERGRADUATE "G" COURSES (Two may be taken for graduate credit.)

AC 440G Accounting Theory (3-0-3) (S). A specialized course dealing with the evolution of accounting thought and the contemporary approach to asset valuation, income determination and the measurement process in accounting.

EC 421G-422G Econometrics (3-0-3) (F-S). 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 PERM/INST.

FI 450G Investment Management (3-0-3) (FS). Strategies of investing in stocks, bonds, commodities and stock options. Topics include risk-return relationships of various investments; efficient market hypothesis and its implications for the individual investor; portfolio theory and the capital asset pricing model. Prerequisite: FI 303, GB 208 and FI 250.

GB 441G Government and Business (3-0-3) (S). Intensive study of and student research into the scope of government control and regulation of business. Specific major statutes and their implementing rules and regulations are researched and analyzed as well as selected federal and state regulatory agencies. Prerequisite: GB 202.

MK 415G Marketing Research (3-0-3) (FS). Theory and use of research for marketing decisions. Experience in formal research methodology by planning and conducting an actual research project.

MASTER OF SCIENCE—ACCOUNTING

The Master of Science—Accounting degree consists of a minimum of 33 hours of credit from offerings with the program described below.

The 33 credit hour requirement consists of a minimum of 15 hours in Accounting courses; 15 hours in current MBA courses; and 3 hours of an elective chosen by mutual agreement between the applicant and the School of Business. Areas available for this

elective are: A professional paper; GB 579, Business Policy Formulation, if none has been previously taken; or the applicant's choice of an MS or MBA course. An Accounting advisor is assigned in order to assist in the choices available to the candidate. Students may apply a maximum of 6 credits from undergraduate "G" level courses from the School of Business to their MS program. Directed Research or Internship credits will be limited to 3 credit hours, except in special cases.

MASTER OF SCIENCE COURSES

See description in MBA courses for the following:

GB 512 or 514	3
Computer Applications for Managers DP 542	3
Accounting Theory AC 440G	3
Financial Management FI 530	3
MG 540 or MK 519	3
Graduate Economics Electives	3

See description below for the following:

Advanced Managerial Accounting AC 510	3
Research in Federal Taxation AC 520	3
Perspectives in Auditing AC 540	3
Contemporary Issues in Accounting AC 569	3

See description in MBA courses for

Business Policy Formulation GB 579	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. If no Business Policy course has been taken previously, GB 579 must be taken for this elective.

Applicants desiring to enter this program should contact the Master of Science Advisor (385-3461) or the Graduate Program Coordinator (385-1125) in order to commence the application process and plan an orderly progression toward the degree.

COURSE OFFERINGS

AC — ACCOUNTING

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AC 510 Advanced Managerial Accounting (3-0-3) (S). Study of information and reporting needs of contemporary management for planning, control and decision-making purposes. Representative topics include developing and reporting useful cost information, cost-volume-profit analysis, operational, cash, capital budgeting, and responsibility accounting.

AC 520 Research in Federal Taxation (3-0-3) (F). Study of the more complex provisions of the Internal Revenue Code pertaining to individuals, partnerships, corporations, and estates and trusts. Tax planning for the business enterprise and the gift taxes are emphasized throughout the course, as is student research into tax problem areas.

AC 540 Perspectives in Auditing (3-0-3) (F). Designed to complete a student's formal education in auditing. Topics include the requirements of the SEC, methods of applying statistical techniques to auditing problems, the auditing of records maintained on computers, and informal auditing problems.

AC 569 Contemporary Issues in Accounting (3-0-3) (S). Designed to familiarize the student with significant unresolved issues currently facing the accounting profession, to examine in depth the various solutions proposed by accounting scholars and others, and to strengthen the student's understanding of today's critical issues in accounting theory.

School of Education

MASTER OF ARTS—ELEMENTARY EDUCATION GENERAL REQUIREMENTS

Admission will be granted to applicants who hold a Bachelor 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 GPA of at least 3.00 for the last two years of undergraduate study, or an overall GPA of 2.75. Provisional status may be granted to an applicant not meeting the listed requirements.

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

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review and approval of the committee chairperson and the Dean of the School of Education prior to acceptance in the planned program.

A maximum of 9 semester graduate credits may be accepted from other graduate schools upon approval of the chairperson of the candidate's committee and the Dean of the School of Education.

Six semester hours of credit will be open for selection in any area of the University's course offerings that will enable the candidate to strengthen a competency in elementary instruction. The candidate, in cooperation with the advisor, will choose courses which will meet the individual's needs as a teacher. Specific courses are listed within each area of emphasis.

OPTION REQUIREMENTS

The Elementary Education Graduate Program provides two options within the MA degree requirements: *Option I* — Thesis/Project, and *Option II* — Written Comprehensive Examination.

**OPTION I
(THESIS/PROJECT)**

Required of all candidates — Core Program	9
Required of all candidates — Fundamentals of Educational Research for Teachers TE 551	3
Required of all candidates — Thesis/Project	6
Selected Electives and/or Specific Requirements	12
	30

A Thesis/Project, as mutually agreed upon by the Option I candidate and the committee, is required of the 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.

**OPTION II
(COMPREHENSIVE EXAMINATION)**

Required of all candidates — Core Program	9-9
Required of all candidates — One of the following:	1-3
Fundamentals of Educational Research for Teachers TE 551	3
Interpreting Educational Research TE 565	1
Select Electives and/or Specific Requirements	20-18
(Thesis/Project not required)	30-30

Required of all candidates — A comprehensive written examination at the end of the coursework. This examination is to be tailored by each candidate's committee specifically for that candidate following guidelines established by the Department. After the candidate has written the examination, the committee will meet with the candidate to review and analyze the outcome of the examination and clarify the results prior to final approval or rejection.

AREAS OF EMPHASIS

The candidate selects one of five areas of emphasis:

1. **Curriculum and Instruction**
A program is planned for the person who desires to continue as a generalist in Education.
2. **Content Enrichment**
The programs are planned for persons interested in subject area specialties such as Art, Mathematics, and Music. The advisor has information regarding approved subject areas.
3. **Early Childhood**
The program is planned for the person who desires to specialize in Early Childhood Education.
4. **Reading**
The program is planned for the person who desires to specialize in Reading Education.
5. **Special Education**
Programs are planned for persons interested in the areas of Learning Disabilities or Mental Retardation.

REQUIRED OF ALL CANDIDATES

Core program of 9 credit hours consisting of TE 570, 571, 563 and two 1-credit hour classes is required of each candidate.

Courses are as follows:

Comprehensive Core of Elementary Education TE 570-571, Summer	6
Conflicting Values Influencing Education TE 563 Summer	1
Two 1-credit hour classes from the following list:	
Creative Teaching — Secondary School TE 564, Summer	1
Interpreting Education Research TE 565, Summer	1
Learning Theory and Classroom Instruction TE 566 Summer	1
Techniques of Classroom Management TE 568, Summer	1
Testing and Grading TE 569, Summer	1
Creative Teaching — Elementary School TE 573 Summer	1

**Curriculum and Instruction Emphasis
(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)

Advanced Practices and Principles in Teaching Reading TE 501, Each Semester and Summer	3
Advanced Practices and Principles in Teaching Social Science TE 510, Fall	3
Advanced Practices & Principles in Teaching Elementary Mathematics TE 511, Spring	3
Advanced Practices & Principles in Teaching Language Arts and Linguistics TE 512, Summer	3
Advanced Practices & Principles in Teaching Elementary Science TE 513, Fall	3

Cluster II (choose at least one course)

Individual Tests & Measurements TE 505, Each Semester	3
Development of Skills for Teaching Pupils with Learning Difficulties TE 515, Fall	3
Development of Skills for Teaching the Fast Learner TE 516, Spring	3
Development of Skills for Teaching the Mentally Retarded TE 517, Spring	3
Counseling & Consulting in the Elementary and Special Classroom P 501, Each Semester	3
Advanced Educational Psychology P 502, Either Semester	3
Individual Testing Practicum P 503, Spring, odd numbered years	3
Analysis of the Individual P 504, Fall	3
Personality Development P 505, Spring	3
Psychological Measurement P 421G, Fall	3

Additional Elective Courses

Diagnosis of Reading Problems TE 502, Spring and Summer	3
Remediation of Reading Problems TE 503 Spring and Summer	3
Techniques for Creative Writing in Elementary Schools TE 518, Spring	3
Advanced Children's Literature TE 519 Spring	3
Educational Media TE 520, Summer, every other year	3
Elementary Physical Education Activities TE 521 Summer, every other year	3
Individualization of Reading Instruction TE 522 Spring and Summer	3
Education for the Culturally Different Learner TE 531, Spring	3
Education in Emerging Nations TE 541, Fall	3
Fundamentals of Educational Research for Teachers TE 551, Fall	3
Supervision in Schools TE 555, Fall/Spring	3

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Values & Ideology in Education TE 559. Spring 3
 Adolescent Psychological Problems P 598.
 Fall, every other year 3

NOTE: See the listing of courses in the following developmental sections of the Catalog for Elective courses outside of the School of Education: Art, English, Geology, History, Music and Sociology.

Content Enrichment Emphasis (Courses and Requirements)

Candidates complete 12 to 15 credit hours within the area of emphasis. The remaining 3 to 6 credits may be selected from the offerings previously listed.

Early Childhood Emphasis (Courses and Requirements)

Candidates complete 6 credit hours of the required listing and 6 credit hours from the selected electives. The open electives of 6 credit hours are to be selected from the courses listed as selective electives or from other courses that complement the emphasis in Early Childhood.

Required (6)	
Childhood Education Research & Review TE 543	3
Advancing Physical & Intellectual Competencies in Early Childhood Education TE 544	3
Selected Electives (6)	
Creativity in Early Childhood Education TE 545	3
Diagnosis & Evaluation in Early Childhood Education TE 546	3
Language Acquisition & Development in Early Childhood Education TE 547	3
Program Development in Early Childhood Education TE 548	3
Open Electives (6)	

Reading (Courses and Requirements)

Candidates must complete the 12 credit hours listed below.

Advanced Practices & Principles in Teaching Reading TE 501. Each Semester and Summer	3
Diagnosis of Reading Problems (Directed Experiences in the Reading Center TE 502. Fall, Summer)	3
Remediation of Reading Problems (Directed Experiences in the Reading Center TE 503. Spring, Summer)	3
Seminar in Reading Education TE 504. Fall, Summer	3

Special Education Emphasis (Courses and Requirements)

LEARNING DISABILITIES

Candidates complete 13 credit hours of the required listing. The remaining 5 hours are to be selected from the elective listing.

Required (13)	
Diagnosis of Reading Problems (Directed Experiences in the Reading Center) TE 502. Fall, Summer	3
Remediation of Reading Problems (Directed Experiences in the Reading Center) TE 503. Spring, Summer	3
Development of Skills for Teaching Pupils with Learning Difficulties TE 515. Fall	3
Practicum in Learning Disabilities TE 590. Each Semester, Summer	4
Electives (5)	
Instructional Materials for the Exceptional Child TE 440. Fall	3
Behavior Intervention Techniques TE 450G. Spring, Summer	3
Emotionally Disturbed Child in the Classroom TE 423 TE 523. Fall, Summer	3
Physical Education in Special Education PE 594. Summer	2
Counseling & Consulting in the Elementary and Special Classroom P 501. Each Semester	3
Personality Development P 505. Fall	3

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
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Behavior Intervention Techniques TE 450G. Spring	
Summer	3
Development of Skills for Teaching the Mentally Retarded TE 517. Spring	3
Practicum in Mental Retardation TE 590. Each Semester and Summer	4
Guidance & Consulting in the Elementary and Special Classroom P 501. Each semester, Summer	3
Electives (5) (only 6 credit hours of undergraduate courses in a program)	
Curriculum for the Severely Handicapped TE 422. Fall	3
Teaching the Severely Handicapped TE 432G	3
Instructional Materials for the Exceptional Child TE 440. Fall	3
Child Behavior in Early Childhood Education TE 461. Spring	3
Curriculum in Early Childhood Education TE 461. Spring	3
Individual Tests and Measurements TE 505. Each Semester	3
The Emotionally Disturbed Child in the Classroom TE 523. Fall, Summer	3
Physical Education in Special Education PE 594. Summer	2

MASTER OF ARTS/SCIENCE — SECONDARY EDUCATION

General Information

A Master Degree in Secondary Education with emphasis in the subject areas of Art, Business Education, Earth Science, English, History, Mathematics and Music is presented through the Department of Teacher Education, the related subject department, and the School of Education.

Specific information appropriate to the secondary Master degree encompassing all areas of emphasis is as follows:

1. Each candidate is to have a subject area emphasis within a department or a combination of departments.
2. The degree will include a minimum of 27 hours plus from 3 to 6 semester hours for the culminating activity.
3. Each candidate's program shall include a minimum of 18 semester credit hours within the area of emphasis.
4. Each department will determine the nature of the culminating activity from (1) a thesis with an appropriate examination, (2) a project with an appropriate examination, or (3) 3 to 6 additional credits with an appropriate examination.
5. The candidate's committee shall consist of three members with the chairperson from the area of emphasis, one member from the Department of Teacher Education and one from any department.
6. Recommendations for admission shall come from both the School of Education and the involved department.
7. Applicants for regular status in the program must have maintained a GPA of at least 3.00 for the last two years of undergraduate study, or an overall GPA of 2.75. Provisional status may be granted to an applicant not meeting the listed requirements.

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.

Core in Secondary Education TE 560. Summer	3
Conflicting Values Influencing Education TE 563. Summer	3
Two 1-1-credit classes from the following list:	
Creative Teaching — Secondary School TE 564	1
Interpreting Educational Research TE 565. Summer	1
Learning Theory & Classroom Instruction TE 566. Summer	1
Teaching Subject Content Through Reading TE 567. Summer	1
Techniques of Classroom Management TE 568. Summer	1
Testing and Grading TE 569. Summer	1
Creative Teaching — Elementary School TE 573. Summer	1

Elective Courses

With the approval of the candidate's advisor, students may select additional courses from the following list as well as from the 1-credit course listing.

Relating Reading Processes to Secondary School Subjects TE 507. Fall	3
Teaching Reading in the Secondary School TE 508. Spring	3
Education for the Culturally Different Learner TE 531. Spring	3
Education in Emerging Nations TE 541. Fall	3
Fundamentals of Educational Research for Teachers TE 551 Fall	3
Supervision in Schools TE 555. Fall, Spring	3
Values and Ideology in Education TE 559. Spring	3
Seminar Adolescent Psychological Problems P 598. Fall, every other year	3
The Sociology of Education SO 501. Summer	3

NOTE: Candidates may select appropriate courses from the Elementary Graduate Program course listing when approved by the committee.

COURSE OFFERINGS**PE — PHYSICAL EDUCATION****GRADUATE**

PE 521 Elementary Physical Education Activities (3-0-3) (SU). Alternate years. 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.

PE 594 Physical Education in Special Education (2-0-2) (SU). 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.

P — PSYCHOLOGY

P 501 Counseling and Consulting in the Elementary and Special Classroom (3-0-3) (FS). The practice of processes effective in bringing about change of inappropriate behaviors. 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.

P 502 Advanced Educational Psychology (3-0-3) (FS). A study of contemporary issues involving both theoretical and methodological 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 and P 325.

P 503 Individual Testing Practicum (3-0-3) (S). Emphasis on administering and scoring intelligence tests and on test interpretation. Prerequisite: M 115-116, P 305, P 421, PERM/INST. Offered odd numbered years.

P 504 Analysis of the Individual (3-0-3) (F). 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.

P 505 Personality Development (3-0-3) (S). Critical consideration of the main personality theories, particularly those which emphasize current concepts regarding learning, perception and motivation is developed. Study of the interaction of emotional and cognitive factors in personality development at different age levels is pursued. Prerequisite: P 101.

TE — TEACHER EDUCATION

TE 501 Advanced Practices and Principles of Teaching Reading (3-0-3). The total reading process is examined. Areas such as readiness, grouping, methodologies, new approaches, dictionary, word attack, and comprehension skills are emphasized. Standardized and informal testing procedures are discussed.

TE 502 Diagnosis of Reading Problems (3-0-3). 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.

TE 503 Remediation of Reading Problems (Directed Experiences in the Reading Center) (3-0-3) (SSU). Remediation approaches and techniques for disabled readers are emphasized. Training is fostered by tutoring a child under supervision in the Reading Center.

TE 504 Seminar in Reading Education (3-0-3) (FSU). 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 is developed. Prerequisite: TE 503.

TE 505 Personality Development (3-0-3) (S). An intense investigation is pursued in the area of measurement theory followed by practical applications in individual testing and student diagnosis.

TE 507 Relating Reading Process to Secondary School Subjects (3-0-3) (F). 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.

TE 508 Teaching Reading in the Secondary School (3-0-3) (S). 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.

TE 510 Advanced Practices and Principles in Teaching Social Science (3-0-3) (F). A comprehensive study of the practices and principles in social science education, including objectives, social problems, unit development, work-study skills, organization of the program materials and media, and research findings basic to social studies will be developed.

TE 511 Advanced Practices and Principles in Teaching Elementary School Mathematics (3-0-3) (S). Emphasis on creative methods and strategies for teaching elementary school mathematics. Also includes a review of current research, curriculum trends and exploration of experimentation with unique materials for teaching mathematics.

TE 512 Advanced Principles and Practices in Teaching Language Arts and Linguistics (3-0-3) (F). Emphasis will be given to the role of language arts and linguistics in the school curriculum, stressing modern approaches to language development, semantics, phonetics, phonics, and orthography.

TE 513 Advanced Practices and Principles in Teaching Elementary Science (3-0-3) (F). Current practices and principles in modern elementary science concepts are developed. Emphasis is placed on the selection and organization of content and experimental activities.

TE 515 Teaching Skills for Remediation of Learning Disabled Students (3-0-3) (F). An advanced course in developing skills and techniques in the educational planning and remediation of students with learning disabilities.

TE 516 Teaching Gifted and Talented Students (3-0-3) (S). Teachers and others working with the instructional needs of gifted and talented students will develop skills in the techniques of meeting the educational goals of these exceptional individuals. Methods and materials for this approach will be evaluated as to application and assessment.

TE 517 Development of Skills for Teaching Moderately/Severely Handicapped (3-0-3) (S). The techniques and methods applicable for use by teachers of the moderately/severely handicapped. Current issues, philosophies, and research implications for teaching will be emphasized. Prerequisite: TE 423, PERM/INST.

TE 518 Techniques for Creative Writing in Elementary Schools (3-0-3) (S). Methods and techniques for encouraging creative writing in the elementary school.

TE 519 Children's Literature, Advanced Level (3-0-3) (S). Current literature for children, including emphasis upon poetry is presented. Issues in children's book selection are discussed.

TE 520 Educational Media (3-0-3) (SU). 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 every other year.

TE 521 Elementary Physical Education Activities (3-0-3) (SU). Methods and techniques for classroom and playground activities for physical education, curriculum development will be presented. Emphasis upon corrective physical education procedures will be given. Alternate years.

TE 522 Individualization of Reading Instruction (3-0-3) (SSU). Emphasis upon the individualized approach to reading instruction is developed. Techniques of conferencing book selection, skill development and independent language arts activities are explored.

TE 523 The Emotionally Disturbed Child in the Classroom (3-0-3). This course is designed to assist teachers, counselors, and administrators in understanding the educational and psychological needs of the emotionally disturbed child. Emphasis is placed on developing skills in identifying emotional problems and planning the remedial steps needed for correction. Prerequisite: PERM/INST.

TE 531 Education for the Culturally Different Learner (3-0-3) (S). A study of the development of children and adolescents in different cultures in comparative relationship to existing values. The lifestyle of various minority groups and implications for education will be examined. Major topics include culturally different learner; (1) learning styles, (2) media, (3) process of change. Idaho minority groups will be emphasized.

TE 541 Education in Emerging Nations (3-0-3) (F). The course provides an analysis of the relationship between national goals and the educational system in the twentieth century. Contemporary systems will be studied in light of three major factors: (1) religious factors; (2) natural factors such as race, language and environment; (3) secular factors such as Humanism, Socialism and Nationalism.

TE 543 Research and Review in Early Childhood Education (3-0-3) (S). Research in child development and early childhood education will be reviewed and synthesized in a seminar format.

TE 544 Advanced Physical and Intellectual Competencies in Early Childhood Education (3-0-3) (S). This is an advanced K-3 education course designed to study the role of the teacher in the advancement of physical and intellectual competence of K-3 children. Areas of emphasis will be physical, creativity, cognitive and language development. Odd numbered years.

TE 545 Creativity in Early Childhood Education (3-0-3) (F). A course for early childhood teachers seeking to explore factors associated with creativity, establishing creative learning environments, and techniques and strategies enhancing creative and productive expression in the classroom. Emphasis is placed on designing techniques for creative teaching and on evaluating growth in creativity of children.

TE 546 Diagnosis and Evaluation in Early Childhood Education (3-0-3) (S). Literature review on various tests and assessments for the young child. Students will pursue an area of interest to them and conduct experiences or give established tests to gain knowledge and understanding of that area on how children learn. Odd numbered years.

TE 547 Language Acquisition and Development in Early Childhood Education (3-0-3) (F). To acquaint the student with the various stages of the process of acquiring spoken and written language. Looks at approaches to facilitate language development in children of

GRADUATE SCHOOL

standard and non-standard English speaking backgrounds. Discuss factors which can interfere with or promote the development of language. Odd numbered years.

TE 548 Program Development in Early Childhood Education (3-0-3) (F). This is an advanced course in education planning to give the student theoretical and practical experiences relevant to program design, facilities, staff and administration of early childhood programs. The student will design materials and methods to help the child increase his knowledge of things in his world. Even numbered years.

TE 551 Fundamentals of Educational Research for Teachers (3-0-3) (F). The planning of educational research with emphasis on the nature of scientific inquiry, formulating research and evaluation plans, and critiquing published research.

TE 555 Supervision of Instructional Personnel (3-0-3) (S). A course designed to improve the supervision skills of elementary/secondary cooperating teachers and other supervisory personnel. Emphasis will be placed on a variety of observation and evaluation strategies designed to improve instruction.

TE 559 Values and Ideologies in Education (3-0-3) (S). Students will analyze and evaluate past and contemporary philosophies and ideologies and the values derived from them as they apply to education.

TE 560 Core in Secondary Education (3-1-3) (SU). This course provides a central theme for the graduate student in secondary education encompassing aspects of philosophy, psychology an sociology of education. These areas are explored in a series of large group presentations. Students prepare a paper based on their individual interests related to the presentations. Prerequisite: Graduate status.

TE 563 Conflicting Values Influencing Education (1-0-1) (SU). Students will explore ideological positions which have affected educational programs and policies. They will be asked to carefully consider their own values and analyze how these positions affect their modes of classroom operation. Prerequisite: Graduate status. Corequisite: TE 570, TE 571.

TE 564 Creative Teaching - Secondary Schools (1-0-1) (SU). The course will explore various approaches to classroom teaching methodology and atmosphere which are innovative and creative.

TE 565 Interpreting Educational Research (1-0-1) (SU). This course will prepare students to read, understand, and critically analyze educational research in their own fields. It includes basic research terminology, strengths and weaknesses in research design, and interpretation of research results. Corequisite: TE 570, TE 571.

TE 566 Learning Theory and Classroom Instruction (1-0-1) (SU). A graduate level course designed to provide an introduction to current learning theories and how these in turn affect classroom instruction, textbook development and curriculum trends.

TE 567 Teaching Subject Content Through Reading (1-0-1) (SU). The course is intended to introduce a few basic concepts of reading instruction, and then apply them to classroom teaching in secondary subjects.

TE 568 Techniques of Classroom Management (1-0-1) (SU). This course will explore approaches to effectively working with students in elementary and secondary classrooms. Skill development and theoretical considerations related to developing healthy and productive learning environments will be emphasized.

TE 569 Testing and Grading (1-0-1) (SU). This course will include an introduction to the theories and fallacies of testing and grading. Problems and methods of constructing teacher-made tests will be included, with practice in designing better tests and systems of grading. Corequisite: TE 570, TE 571.

TE 570 Graduate Core Issues in Education (3-0-3) (SU). This course is part of the graduate education core. The content of this course varies, depending upon the current educational issues, but does always include readings, large group presentations, and small group discussions over philosophical, psychological, and sociological aspects of education.

TE 571 Graduate Core Directed Writing (3-3-3) (SU). This course is part of the graduate education core. Included in this course is a series of classes designed to familiarize students with elements of writing style and library research. Students will select a topic and write a formal paper on an issue raised in core. Corequisite: TE 570.

TE 573 Creative Teaching - Elementary School (1-0-1) (SU). An exploration into the meaning of creative teaching and learning. Emphasis on establishing environments which foster creativity and strategies which encourage creative thinking and behavior. Special emphasis on designing practical classroom techniques for the teacher's classroom and evaluating creative growth of children.

TE 581 Curriculum Planning and Implementation (3-0-3) (S). This is a general course for practicing teachers intended to give them a foundation in curriculum theory and practice. They will develop understanding of how curriculum is developed, organized, implemented and evaluated. Current issues and trends in curriculum with some historical perspective, will be explored.

TE 590 Practicum in Special Education (0-30-4). Students enrolling in this course shall be placed in actual educational experiences with children identified as exceptional children. 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 exceptional students. Prerequisite: PERM/INST.

TE 591 Project (0-12-6).

TE 593 Thesis (0-12-6).

MASTER OF ARTS, SECONDARY EDUCATION* Art Emphasis

ADMISSIONS AND PROGRAM

A. The Master 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 cur-

rently certified as a secondary school art specialist, agree to begin the process toward attaining this certification while working on the degree, or obtain a waiver through the Department of Education.

B. The following will be submitted to the Art Department Admissions Committee:

1. Three letters of recommendation from Art educators or professional persons who are acquainted with the student's academic qualifications to pursue graduate study.
2. A minimum of twenty slides or a portfolio or recent Art work.
3. A statement of the student's professional objectives and philosophy of Art Education and how these will be furthered by graduate study.

C. Program areas of study are as follows:

1. Required Courses:
Art Appreciation in the Educational Program AR 501 3
Special Methods: Curriculum Development in Art Education AR 551 3
Project AR 591 6
Thesis (or additional hours) AR 593 6
Secondary Education Core Courses TE 560 6
2. Studio or Content: Six credits in the studio. Studio concentration and emphasis will be determined by the student and his committee.
3. Electives: The remainder of the student's work may be elected in relation to his background, interests, and professional objectives in consultation with his major advisor and committee.

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

COURSE OFFERINGS

AR — ART COURSES

GRADUATE

AR 501 Art Appreciation in the Educational Program (3-0-3) (F). 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 PERM/INST.

AR 521 Teaching Through Experimental Art Media (0-6-3) (SU). (Previously approved for Elementary Master's Degree). Varied and unusual experimental art media to be used in conjunction with individual teaching techniques. Students will have the opportunity to solve procedural problems and adapt art media to teaching experiences. Some outside reading will be required, as well as a written paper. Prerequisite: Graduate standing. Summers only by request.

AR 522 Teaching Through Experimental Art Media (0-6-3) (SU). Varied and unusual experimental art media to be used in conjunction with individual teaching techniques. Students will have the opportunity to solve procedural problems and adapt art media to teaching experiences. Some outside reading will be required, as well as a written paper. Prerequisite: Graduate standing. Summers only by request. Alternate years.

AR 551 Special Methods: Curriculum Development in Art Education. (3-0-3) (F). Designed for the secondary school art teacher, this course will be geared to creative curriculum planning. It will be held in a workshop seminar format to facilitate student interaction and the opportunity to experiment and develop new ideas. Prerequisite: Graduate status and PERM/INST.

AR 580-589 Series Selected Topics (3-0-3). An opportunity for the student to work independently with a particular teacher in a specific area or media. A total of nine credits allowable which can be divided into several areas or concentrated, distribution determined by the graduate student and committee.

AR 580 Selected Topics — Drawing

AR 581 Selected Topics — Painting

AR 582 Selected Topics — Crafts

AR 583 Selected Topics — Sculpture

AR 584 Selected Topics — Photography

AR 585 Selected Topics — Ceramics

AR 586 Selected Topics — Printmaking

AR 587 Selected Topics — Designing

AR 588 Selected Topics — Illustration

AR 589 Selected Topics — Art History

AR 591 Project (6 credits). See below.

AR 593 Thesis (V-V-6). The thesis, or culminating project, may be defined, but is not limited to a combination of any two of the following 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.

AR 598 Seminar in Art (3-0-3) (S) (Previously approved for Elementary Master's Degree). Upon selection of an approved topic, the student will research it thoroughly, present an annotated bibliography, and present an oral report of the topic, utilizing visual material in his presentation. The student will then present a research paper concerning his topic. Prerequisite: Graduate standing.

CM — CHEMISTRY COURSES

C 401G Advanced Inorganic Chemistry (3-0-3) (F). Quantum mechanical overview of atomic and molecular structure, bonding in ionic, covalent, and complex ions, non-aqueous solutions, and selected properties of elements of the periodic table and organic compounds. Prerequisite: Physical Chemistry, C 322 or PERM/INST.

C 411G Instrumental Analysis (2-3-4) (S). Theory and practice of the more common instrumental methods of analysis, laboratory experience with commercial instruments. Prerequisite: Quantitative Analysis C 211 and Organic Chemistry C 320. C 320 may be taken concurrently with C 411.

C 431G Introduction to Biochemistry (3-0-3) (F). A study of the chemistry of biologically important compounds, and an introduction to metabolism. Prerequisite: C 318.

C 432G Biochemistry Laboratory (0-3-1) (S). Identification, isolation, and reaction of biologically important compounds. Prerequisite: C 431 or concurrent enrollment.

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

C 501 History of Chemistry (3-0-3). The study of the development of chemistry from its early stages through alchemy. Emphasis will be placed on the development of chemical concepts, the important contributors to these concepts and the interrelationships between chemistry and the general course of history. Prerequisite: Two years of college chemistry and one year of history or PERM/INST. Offered on demand.

C 503 Spectroscopy (3-0-3). Concepts and practical usage of ultraviolet, infrared, nuclear magnetic, and mass spectroscopy. Emphasis will be placed on use of instruments and interpretation of spectra. Prior knowledge of spectroscopy not required. Prerequisite: Eight hours of general chemistry and six hours of organic chemistry. Offered on demand.

C 509 Chemistry of Life Processes (3-0-3). The course introduces the student to basic concepts of biochemistry associated with a coverage of current topics ranging from allied health field areas to environmental chemistry. Classroom demonstration material will be correlated with lecture material. Prerequisite: One year of general chemistry and organic chemistry. Offered on demand.

C 511 Advanced Analytical Chemistry (3-0-3). Stoichiometry involved in separations and instrumental methods of analysis. The course will be flexible in nature to adapt to the varied background of the expected students. Prerequisite: Quantitative Analytical Chemistry or PERM/INST. Offered on demand.

C 515 Nuclear and Radiochemistry (3-0-3). Atomic and nuclear structure, radioactivity, nuclear reactions, radioactive decay laws, interaction of radiation with matter, detection chemistry. Offered on demand.

**MASTER OF ARTS — SECONDARY EDUCATION,
Business Education Emphasis**

ADMISSIONS AND PROGRAM

A. The Master Degree Program is designed to meet the needs of business teachers. Because of the large number of business courses offered at the secondary level and because of the unique delivery systems at that level, the program is designed with the flexibility and breadth considered necessary to meet a wide range of needs of those students enrolling.

Admissions will be granted to applicants who hold a Bachelor degree from an accredited college or university and who meet the admissions requirements 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
 - b. Principles of Economics 6
 - c. Business Law 3
 - d. Data Processing 3
 - e. Marketing 3

B. Program Requirements: A maximum of 14 credit hours may be taken from the School of Business courses excluding the listed BE courses).

- 1. Secondary Education Core Courses (see page 102 Teacher Education) 6
- 2. Business Courses chosen from: 12
 - a. Business Education:
 - Graduate Study in Business Education BE 511 (required) 3
 - Curriculum & Instruction in Shorthand, Transcription & Office Procedures BE 520 3
 - Curriculum & Instruction in Typewriting, Bookkeeping-Accounting & Data Processing BE 530 3
 - Curriculum & Instruction in Basic Business and Economics BE 540 3
 - Organization & Supervision of Business Education BE 571 3
 - Directed Research BE 596 variable
 - Workshop in Business Education BE 599 1-3
 - Office Systems & Procedures OA 501 3
 - Principles & Organization of Vocational Education Programs BE 441G 3
 - Administration & Coordination of Cooperative Programs B 443G 3
 - b. Business Administration (minimum) 6
 - These credits 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 coursework 3-6
- 5. Any approved 400 level G courses 6

COURSE OFFERINGS

- A. Required Courses:
 - 1. Secondary Education Core Courses TE 560 6
 - 2. Graduate Study in Business Education BE 511 3
 - 3. Thesis BE 593 or Project BE 591 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 an oral examination covering the thesis.
 - Students electing additional coursework will take a written and/or oral examination covering coursework completed in their degree program.
- B. While any Master of Business Administration course may be used in the requirement outlined in 2.b. above, the following are considered to be courses most likely to be chosen:
 - Business and Its Environment GB 510
 - Business Research and Communications BE 512
 - Marketing Management MK 519
 - Accounting-Planning and Control AC 532
 - Human Resources Management MG 541
 - Economics of Public Policy EC 560

For additional details contact Department Chairman, Department of Business Education and Office Administration, (208) 385-3451.

COURSE OFFERINGS

BE — BUSINESS EDUCATION

GRADUATE

BE 511 Graduate Study in Business Education (3-0-3). Study of professional business education including history, philosophy, psychology, and issues and trends. Each area is considered in relation to business education in the public schools. Prerequisite: Graduate status and PERM/INST.

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BE 520 Curriculum and Instruction in Shorthand, Transcription, and Office Procedures (3-0-3). Study of various techniques available for the improvement of instruction in shorthand, transcription, and office procedures. Includes an analysis of research and its application to the improvement of instruction. Also includes the application of psychological principles of learning and other technical aspects of instruction. Prerequisite: PERM/INST.

BE 530 Curriculum and Instruction in Typewriting, Bookkeeping — Accounting and Data Processing (3-0-3). 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: PERM/INST.

BE 540 Curriculum and Instruction in Basic Business and Economics (3-0-3). 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: PERM/INST.

BE 571 Organization and Supervision of Business Education (3-0-3). 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. Prerequisite: PERM/INST.

BE 591 Project (3-6 credits).

BE 593 Thesis (3-6 credits). The scholarly pursuit of original work through research. Prerequisite: Admission to candidacy.

BE 596 Directed Research (variable credits). Opportunity for the student to pursue a topic of interest on an individual basis. Prerequisite: Graduate Status and PERM/INST.

BE 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.

OA 501 Office Systems and Procedures (3-0-3). A study of advanced systems and procedures currently in use in business offices. 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.

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 outdoor field trip activities are emphasized. Because of the great variety of background training of present secondary Earth Science teachers, the course offerings have been chosen and designed to allow maximum flexibility in planning individual programs. A preliminary examination, oral or written, will be administered to each candidate.

Required courses include TE 560, GO 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 coursework and the thesis or project is required.

COURSE OFFERINGS

GO — GEOLOGY COURSES

GRADUATE

GO 511 Environmental Geology (3-0-3) (F). 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 environment. Prerequisite: Graduate status or PERM/INST.

GO 521 Advanced Topics in Earth Science (3-0-3) (SU). The study, review, and discussion of literature, demonstrations, teaching aids and field trips relative to geology, astronomy, meteorology and oceanography. The course provides knowledge, skills and material resources that can increase the students capability to teach earth science in elementary and secondary schools. Prerequisite: Graduate status or PERM/INST.

GO 531 Regional Geology of North America (3-0-3) (S). A systematic study of the geologic provinces of North America with special emphasis on geological relationships and physical evolution. Each province is investigated in terms of its structural and geologic history and mineral resources. Prerequisite: Graduate status or PERM/INST.

GO 541 Methods and Techniques of Gathering, Measuring and Testing Geologic Data (3-0-3) (F). 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. Prerequisite: PERM/CHMN.

GO 551 Current Topics in Geology (3-0-3) (S). An investigation of current research, debates and developments regarding practical, as well as theoretical, issues in Geological Science. Prerequisite: Graduate status or PERM/INST.

GO 561 Earth Science Teaching Techniques (3-0-3 or 4-0-4) (F/S). This course is a study of the objectives, methods, and materials of instruction in Earth Sciences. Emphasis will be placed on the preparation and presentation of lectures, laboratory exercises and field trips. This course provides the student with internship experience in the laboratory and lecture classroom. Prerequisite: Graduate status of PERM/INST.

GO 571 Geochemistry (3-0-3) (S). 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, GO 103 and CH 134 or PERM/INST.

GO 591 Project (0-3 to 0-6). A field, laboratory or library investigation. The student will select a project according to his own interest and pursue it to a logical conclusion. Weekly progress meetings are held with the instructor and a final report is required. Prerequisite: Graduate status and 15 credits in Earth Science or PERM/INST.

GO 593 Thesis (0-3 to 0-6). 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.

GO 596 Directed Research (0-1 to 0-4). Field, laboratory or library research project. Student may work on his own problem or select from a list provided by instructor. Weekly progress meetings, final report. Prerequisite: Physical Geology or Fundamentals of Geology and/or PERM/INST.

GO 598 Graduate Seminary (0-1 to 0-3). The preparation and presentation of oral and written reports on topics in earth science and/or science education. Presentation of oral reports may take the form of debate. Preparation of visual aids and geologic illustrations will be emphasized. Prerequisite: Admission to candidacy or PERM/INST.

GS — GENERAL SCIENCE

GS 501 History of Science (3-0-3) (F/S). This is a survey of man's efforts to understand the natural world. "Ancient Science" is presented as an introduction to the evolution of science since the 16th century. "Modern Science" is presented with emphasis on the development of modern scientific thought. Historical illustrations of the nature of scientific research in the evolution of science are presented. This course may be taken for either HY or GS credit, but not for both.

MASTER OF ARTS, SECONDARY EDUCATION, English Emphasis

Applicants who have at least twelve semester credit hours of Upper Division work in English with a grade point of 3.00 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.

- An introductory seminar, 12 hours of graduate English courses, a thesis or project 6 hours from the Education core, and 9 hours of general graduate Electives. At least 9 hours of the English courses must be at the 500 level.

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

E — ENGLISH COURSES

GRADUATE

The Introductory Seminar (E 500) is prerequisite to other 500 level seminars. However, with the consent of the student's committee, the student may concurrently take another seminar. With the exception of E 501 and E 597, all seminars will be in specified areas of American and British literature and linguistics, though they may cover influence from other literatures. A maximum of 6 hours in 400G English courses may be substituted for seminar work in the English core. E 501 may be taken as a general elective, but may not be counted toward a student's English core.

Since the content of courses E 501, 520, 530, 540, 550, 560, 507 and 497 may vary from term to term, a student may repeat any of these courses for credit but may not count more than 6 hours toward his English core.

COURSE OFFERINGS

E 487G Modern British and American Poetry (3-0-3) (F/S). A study of the radical changes Eliot, Pound, Yeats, and others made in poetry's traditional aesthetic and thematic concerns early in this century. The course traces poetry's continuing metamorphosis into the present day. Prerequisite: Three credits literature of PERM/CHMN.

E 488G Methods and Theories of Literary Criticism (3-0-3) (S). A detailed study and application of major critical methods and theories. Prerequisite: E 393 or PERM/CHMN.

E 500 Introductory Seminar (3-0-3) (F/S). An introduction to bibliography and orientation to sources of information. Students research a concept or problem in literature or writing under supervision. Prerequisite: Admission to graduate program or PERM/CHMN.

E 501 The Teaching of Writing (3-0-3) (F/S). Theories and methods of teaching writing for experienced teachers. Special emphasis on new discoveries about the learning process in writing courses and on the teacher's role in helping individual students. Prerequisite: E 500 and teaching experience or PERM/CHMN.

E 505 Linguistics (3-0-3) (F/S). Modern linguistic theories and their application to literature and teaching English. An examination of how various grammatical models represent the complexities of language sound, sequence, and structure. Application of theory to language at work. Prerequisite: E 500 and LI 305 or equivalent or PERM/CHMN.

E 510 Major Author (3-0-3) (F/S). A consideration of minor and major artistic creations of an author with attention devoted to major influences on the writer and his 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 PERM/CHMN.

E 520 Genre (3-0-3) (F/S). A study of a well-defined literary category, such as novel, short story, epic or tragedy. Examination of representative texts in order to discover the evolution of a specific literary genre while at the same time establishing its typical features. Prerequisite: E 500 or PERM/CHMN.

E 530 Period (3-0-3) (F/S). A study of a selected chronological period of American or British literature with focus on major author's genres, or topics. Prerequisite: E 500 or PERM/CHMN.

E 540 Myth in Literature (3-0-3) (F/S). An exploration of the use of myth in literature as a source of content and structure. The nature and working of myth and the way it enters conscious creation of art. Themes such as the quest, the initiation, the Adamic myth in American literature or functions of myths in the works of major authors may be explored. Prerequisite: E 500 or PERM/CHMN.

E 550 Literature and Culture (3-0-3) (F/S). The interaction between a body of literature and the social economic and political forces that characterize the culture in which it originates. The influence of culture on literary form and content. Prerequisite: E 500 or PERM/CHMN.

E 560 Folklore (3-0-3) (F/S). Materials selected from oral tradition and culture with attention to aspects of collecting, classifying, comparing analyzing and archiving. Theories of folklore composition transmission, and function will be related to the occurrence of folklore. Prerequisite: E 500 or PERM/CHMN.

E 570 Literary Movements (3-0-3) (F/S). A focus on a significant literary movement, the works of its major and minor contributors, its theories and its practice, its relation to its time, its place in literary history, its influence on writers past and present. Prerequisite: E 500 or PERM/CHMN.

E 581 Literature for Use in Junior and Senior High Schools (3-0-3) (F). A literary content course for prospective teachers of secondary school English. Primary emphasis on critical reading of literature for adolescents in secondary school. Secondary emphasis on methods of analysis appropriate to students. All genres as well as classic and popular authors. Prerequisite: E 102, two literature courses or PERM/CHMN.

E 593 Thesis (V-0-V). A scholarly paper containing the results of original research. Prerequisite: Admission to candidacy and approval of the student's graduate committee.

E 595 Reading and Conference (V-0-V). A project may include, but is not limited to, a library research paper or experimental research on some aspect of pedagogy or preparation of written curriculum with teaching materials. Prerequisite: Admission to candidacy and approval of the student's graduate committee.

MASTER OF ARTS, SECONDARY EDUCATION, History Emphasis

I. Admissions

See Graduate School Information, page 126.

II. Program Requirements

The Master of Secondary Education with a History Emphasis will consist of a minimum of 33 hours planned by the student and his/her advisory committee from the following alternatives.

A. 33 Hours with Thesis

- | | |
|---|----|
| 1. Secondary Education Core | 6 |
| 2. History Emphasis | 12 |
| 3. Free Electives | 9 |
| 4. Theses (defended orally) | 9 |
| 5. Written exam on work taken in the History Department toward the degree | |

B. 33 Hours with Project

- | | |
|---|----|
| 1. Secondary Education Core | 6 |
| 2. History Emphasis | 15 |
| 3. Free Electives | 9 |
| 4. Project | 3 |
| 5. Written or oral examination covering aspects of project and coursework taken in the History Department toward the degree | |

C. 36 Hours

- | | |
|--|----|
| 1. Secondary Education Core | 6 |
| 2. History Emphasis | 18 |
| 3. Free Electives | 12 |
| 4. Written examination covering coursework taken in the History Department toward the degree | |

III. Course Offerings

A. Required Courses

- | | |
|---|---|
| 1. Historians and Historical Interpretation
HY 500 | 3 |
| 2. Teaching History in the Secondary Schools
HY 502 | 3 |
| 3. History of Western Thought HY 510-511
Sources of American Values HY 520 | 3 |
| 4. Seminar HY 580, 581, 582 | 3 |
| 5. Secondary Education Core TE 560 | 6 |

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

- 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 requirement.
- Students electing a double emphasis will draw up their program in consultation with their committee.
- A maximum of 6 hours in 400G History courses may be substituted for Seminar work in the History offerings.

COURSE OFFERINGS

HY — HISTORY COURSES

GRADUATE

HY 334g United States Social and Cultural History (3-0-3) (F/S). Selected themes from colonial times to the present. The nature and meaning of the national experience, customs, traditions and intellectual developments. HY 151, 152 recommended.

HY 423g European Diplomatic History 1871 — PRESENT (3-0-3) (F/S). Major problems in European diplomacy since 1871: search for security after unification of Germany, potential collapse of Ottoman Empire, imperialism in Africa and Asia, alliance systems, origins of world wars one and two, cold war and merging of European diplomacy into world diplomacy. Alternate years.

HY 500 Historians and Historical Interpretation (3-0-3). A study of major historians and schools of historical interpretation from Ancient Greece to the twentieth century. Discussion concentrates on written history and the problems of interpretation. Oral and written participation and a major paper are required. Prerequisite: Admission to graduate program or PERM/CHMN.

HY 501 History of Science (3-0-3). A survey of man's efforts to understand the natural world from the ancient world to the present including pre-scientific assumptions, the evolution of science since the 16th century, and the development of modern scientific thought. May be taken for either HY or GS credit, but not for both.

HY 502 Teaching History in Secondary Schools (3-0-3). 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 PERM/CHMN.

HY 510 History of Western Thought (3-0-3). History of Western Thought beginning with the Ancient Near East to the Renaissance and Reformation. A study of intellectual and cultural trends reflected in Western religious and philosophical literature. Prerequisite: Admission to the graduate program or PERM/CHMN.

HY 511 History of Western Thought (3-0-3). History of Western Thought from 1500 to the present. A study of intellectual and cultural trends reflected in Western religious and philosophical literature. Prerequisite: Admission to the graduate program or PERM/CHMN.

HY 520 Sources of American Values (3-0-3). The origins of American thought and culture, the Puritan mind, enlightenment ideas, the intellectual climate of the new nation, and an exploration of American values on the eve of the Civil War; Laissez-faire capitalism thereafter and the reaction to industrialism. Prerequisite: Admission to the graduate program or PERM/INST.

HY 580 Graduate Seminar in U.S. History (3-0-3). A study of the principal themes or problems within well-defined periods of particular fields of U.S. History. Emphasis will be

GRADUATE SCHOOL

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 PERM/CHMN.

HY 581 Graduate Seminar in European History (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in European history. Prerequisite: Admission to graduate program or PERM/CHMN.

HY 582 Graduate Seminar in Third World History (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in Third World history. Primary emphasis will be placed on reading, discussion, writing and research. Reports and discussion on various aspects of the controlling subject will be performed by the students with the assistance of the instructor. Prerequisite: Admission to graduate program or PERM/CHMN.

HY 591 Project (3 credits).

HY 592 History Colloquium (3 credits).

HY 593 Research and Thesis (6 credits).

HY 598 History Seminar (3 credits).

MASTER OF SCIENCE, SECONDARY EDUCATION, Mathematics Emphasis*

A. The Master of Secondary Education with a Mathematics Emphasis may be obtained through any of the following 3 options:

1. The 30 Hour Examination Option
 - a. Secondary Education Core 6
 - b. Mathematics Sequence & Seminar 9
 - c. One Mathematics Course exclusive of M 503, 504, 561..... 3
 - d. Mathematics Electives 6
 - e. Free Electives 6
 - f. A written exam over Mathematics coursework
 - g. An oral exam over all coursework included in the student's program.
2. The 33 Hour Project Option
 - a. Secondary Education Core 6
 - b. Mathematics Sequence, Mathematics Seminar and M 591 12
 - c. Mathematics Electives 6
 - d. Free Electives 9
 - e. A written exam over Mathematics coursework
3. The 33 Hour Thesis Option is the same as the Project Option except that M 591 is replaced with M 593

B. Mathematics Requirements

1. Required Courses
 - Real Analysis I, II M 501, 502 or Modern Algebra M 541, 542..... 6
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 (M 594, 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.
3. Students considering this program should consult with the chairman of the Mathematics department. Enrollment in graduate courses has been such that completion dates for this program cannot be guaranteed.

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

COURSE OFFERINGS

M — MATHEMATICS COURSES

GRADUATE

M 406g Theory of Functions of a Complex Variable (3-0-3) (F). Complex numbers, functions of a complex variable, analytic functions, infinite series, integration, conformal mapping. Prerequisite: M 206 or 212.

M 431g Probability and Statistics (3-0-3) (F/S). Basic concepts of probability theory, sample spaces, random variables, mathematical expectation, central limit theorem, estimation and testing of hypotheses. Prerequisite: M 206 or 212.

M 456g Linear Programming (4-0-4) (S). Simplex algorithm, duality theory, postoptimality problems, and transportation problems. Prerequisite: M 301. Odd numbered years.

M 501-502 Real Analysis I, II (3-0-3). The real number system. Set theory and metric spaces. Sequences and series. Continuity of real functions. Differentiation. The Riemann-Stieltjes integral. Sequences and series of functions. Prerequisite: M 314 or PERM/INST.

M 503 The Teaching of Algebra (3-0-3). Contemporary approaches to teaching secondary school algebra; treatment of selected topics in modern algebra; methods and materials; research relevant to the teaching of algebra. Prerequisite: M 302.

M 504 The Teaching of Geometry (3-0-3). Contemporary approaches to teaching secondary school geometry; treatment of selected topics in geometry; methods and materials; research relevant to the teaching of geometry. Prerequisite: M 311.

M 505 Foundations of Mathematics (3-0-3). The axiomatic method and its role in modern mathematics. The role of the theories of sets and groups in the development of mathematics. Modern philosophies of mathematics. Prerequisite: M 302 or PERM/INST.

M 511 General Topology (3-0-3). Set, separation axioms, topologies, connectedness, compactness, generalized convergence, continuity, product spaces. Prerequisite: M 401 or M 501 or PERM/INST.

M 541-542 Abstract Algebra I, II (3-0-3). Mappings, the integers, groups, sub-groups, morphisms, rings, integral domains, polynomial rings, fields, field extensions. Prerequisite: M 301, 302 or PERM/INST.

M 547 History of Mathematics (3-0-3). 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: PERM/INST.

M 561 Mathematics for Operations Research (4-0-4) (F/S). The mathematics techniques used to solve problems involving several variables. Linear systems, matrices, linear programming with simplex method, differential and integral calculus with emphasis on applications in management decision situations. Prerequisite: PERM/INST.

M 564 Mathematical Modeling (3-0-3) (SU). 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: PERM/INST.

M 571 Mathematics Curriculum: 7-12 (3-0-3). The history of the 7-12 mathematics curriculum; content, special problems, and trends in mathematics programs; organization of the curriculum; study of reports and recommendations; curriculum development projects. Prerequisite: One year's experience in teaching junior or senior high mathematics.

M 591 Project (May be taken for 3 to 6 credits). A project may include, but is not limited to, a library research paper, educational research or written curriculum with teaching materials. The student must be admitted to candidacy.

M 593 Thesis (May be taken for 3 to 6 credits). Original mathematical research or a new interpretation or novel exposition of existing mathematics. Course is arranged with supervising faculty member. Prerequisite: Admission to candidacy.

M 598 Seminar in Mathematics (3-0-3). The content will vary within a format of student presentation and discussion of relatively advanced mathematical topics selected from texts or mathematical journals. This will not be a seminar in mathematics education.

MASTER OF ARTS, SECONDARY EDUCATION, Music Emphasis*

ADMISSIONS AND PROGRAMS:

A. The Master 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 ordinarily must 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 faculty of the Music Department. 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 degree. A student who has any deficiencies will be granted Provisional Status only in the graduate program. When all deficiencies are

removed, the student may then seek Regular Status. A description of the material covered on these examinations is available from the Music Department.

REQUIREMENTS

- A. Required Courses:**
1. Introduction to Research Materials in Music Education MU 503 3
 2. New Developments in Music Education MU 570. 3
 3. Additional coursework or Culminating Project MU 591 defined as but not limited to any of the following 3-6
 - a. A library research paper which fits the educational needs of the student.
 - b. A curriculum proposal in written form which could be considered for implementation in the schools.
 - c. A lecture/recital with a written paper discussing aspects of music which is performed, stylistic considerations, etc.
 - d. A written examination of 5 questions chosen by the student's committee chairman from a list of 20 submitted by the student.
 4. Secondary Education Courses to include:

Secondary Education Core TE 560	6
	30-33
- 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.

**MC — MUSIC, PRIVATE LESSON
PERFORMANCE STUDIES**

GRADUATE

Students will be assigned on the basis of an audition. Performance, Technical Study, Musical Interpretation, Literature, and Teaching Technique will be stressed.

All 500 level MC courses are repeatable for credit up to a maximum of 6 credits. See undergraduate Private Lesson Performance Studies course numbering system for explanation of course numbers.

- MC 501 (0-5-1), 502 (0-5-2) Woodwind instruments private lessons.
- MC 511 (0-5-1), 512 (0-5-2) Brass instruments private lessons.
- MC 521 (0-5-1), 522 (0-5-2) Percussion instruments private lessons.
- MC 531 (0-5-1), 532 (0-5-2) Voice private lessons.
- MC 541 (0-5-1), 541 (0-5-2) Keyboard instruments private lessons.
- MC 551 (0-5-1), 522 (0-5-2) Fretted instruments private lessons.
- MC 561 (0-5-1), 562 (0-5-2) Bowed instruments private lessons.

COURSE OFFERINGS

ME — MUSIC ENSEMBLE

- ME 510 Choral Ensemble (0-2-1) (FS).** A general chorus open to all interested students. The format of the classes will be directly related to the size of the enrollment: i.e., choir, chamber ensemble or collegium musicum.
- ME 520 Instrumental Ensemble (0-V-1) (FS).** A performing group or groups will be formed, depending on the size of enrollment, such as trios, quartets, band or orchestra. Opportunities to perform ensemble music of various kinds will be given. Emphasis will be placed on techniques of ensemble playing, intonation, phrasing, articulation and proper performance practice of ensemble literature.

MU — MUSIC, GENERAL

MU 501 History of Music in the United States (3-0-3) (F/S). Designed for either the non-specialist or specialist in music, this course will survey the role which music has played in the development of American culture. Among the topics covered will be early New England music, music of the Blacks, Indians, and other ethnic groups. Social and historical interrelationships with music will be examined and discussed.

MU 503 Introduction to Research Materials in Music Education (3-0-3) (F/S). 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.

MU 505 Seminar in Choral Music: Performance Practices and Styles (3-0-3) (F/S). An historical, generic survey of the repertoire in choral literature. Emphasis will be placed on facets of interpretation through a study of representative compositions from the standpoint of performance practice, analytic techniques, and the reading of primary sources of pertinent information.

MU 506 Seminar in Instrumental Music: Performance Practices and Styles (3-0-3) (F/S). Analysis and study of works from the Baroque through the present era. Particular attention will be paid to performance practices of ornamentation, style, tempo, scoring, dynamics, etc. Band transcriptions also included.

MU 511 20th Century Musical Studies (3-0-3) (F/S). A study of 20th century compositional techniques and performance practices through analyses, discussion of aesthetics, listening, performance, and creative writing. Contemporary techniques (and their notation), such as quartal harmonies, serialization, improvisation, electronic music, microtones, and multi-media, will be explored and their application to the secondary school music classroom will be discussed.

MU 545 Opera Theatre (0-5-1) (FSSU). Advanced study in singing-acting technique and movement, with practicum application through study and performance of productions from the opera and music theatre repertoire. Permission of the instructor is required in order to register for the course. The course may be repeated, but not more than four credits may be earned.

MU 561 Advanced Conducting (3-0-3) (F/S). Designed for secondary music teachers, this course provides opportunity to discover and analyze technical conducting problems, both instrumental and choral, in music of the various historical eras, which forms a significant part of the secondary school repertoire.

MU 570 New Developments in Music Education (3-0-3) (F/S). Designed to acquaint the music specialist with recent ideas in music education, including major trends in curriculum, new methodology, music in integrated courses, and reports of major conferences and symposia.

MU 571 Advanced Practices and Principles in Teaching Music in the Elementary School (3-0-3) (F/S). Designed for the general classroom teacher or music specialist, the course deals with old and new approaches to teaching music in the classroom, teaching materials, current research on problem singers, creative musical activities, and the development of music reading skills. Prerequisite: MU 371 or PERM/INST.

MU 572 Listening and Singing Experiences for the Elementary School (3-0-3) (F/S). Designed for the general classroom teacher or music specialist, the course deals with the study of singing and listening materials relevant to classroom music, K-6. Sequential curriculum plans will be developed for singing and listening experiences. Prerequisite: MU 371 or PERM/INST.

MU 573 Advanced Methods and Techniques for the Instrumental Instructor (3-0-3) (F/S). A study of causes and solutions for problems occurring in the instrumental rehearsal. Areas to be covered include instrumental methods and techniques, organization and repertoire planning.

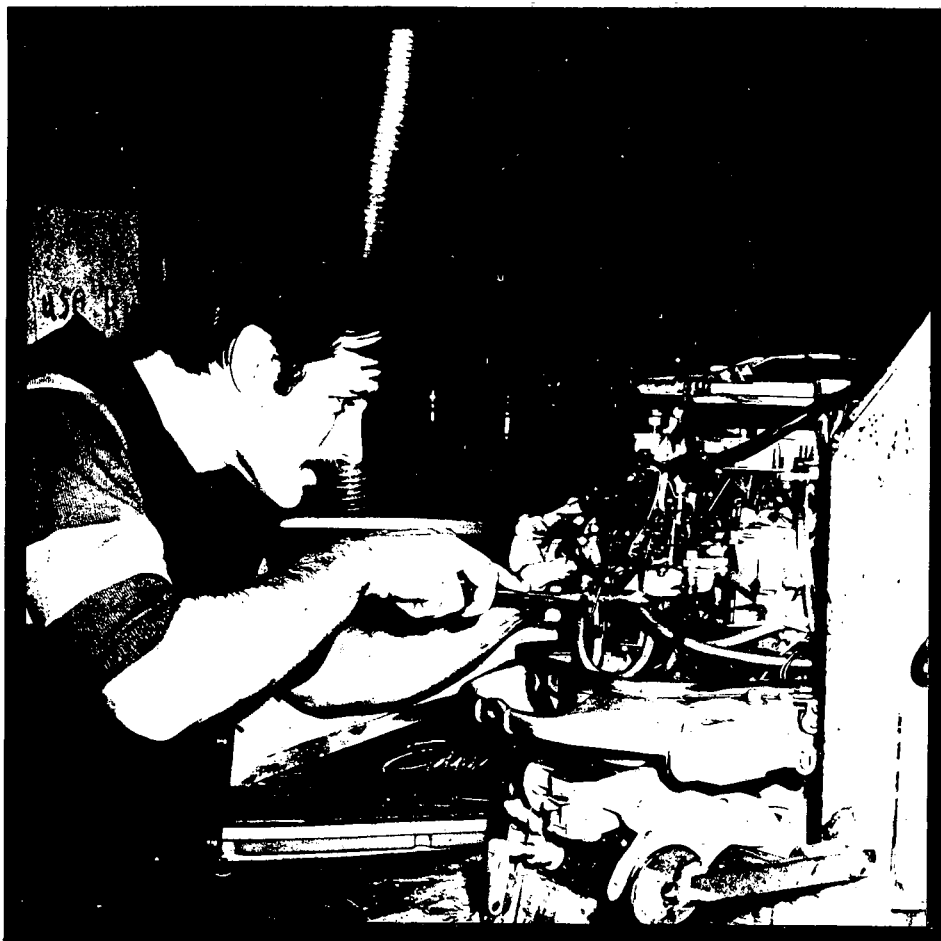
MU 574 Advanced Methods and Techniques for the Choral Instructor (3-0-3) (F/S). A study of causes and solutions for problems occurring in the choral rehearsal. Areas to be covered include vocal methods and techniques, rehearsal techniques, organization and repertoire planning.

MU 575 Administration of School Music (3-0-3) (F/S). A seminar in problems of music supervision and administration covering areas such as budget, scheduling, curriculum, personnel and philosophy.

MU 591 Culminating Project (0-V-3). Details for the culminating project can be found in requirements for masters degree in secondary education, music emphasis.

MU 593 Thesis (0-V-6). A scholarly paper embodying results or original research which are used to substantiate a specific view.





PART IX

SCHOOL OF VOCATIONAL TECHNICAL EDUCATION

*Dean: Dr. Donald V. Healas
Assistant Dean: Glen Linder*

**Vocational Counselors: Callies, Quinowski, Trimble
Special Program Coordinator: Rodgers**

OBJECTIVES OF VOCATIONAL EDUCATION

To provide the opportunity for state and local citizens to acquire the education necessary;

1. To become employed, to succeed, and to progress in a Vocational Technical field.
2. To meet the present and anticipated needs of the local, state and national economy for employees with a Vocational Technical education.
3. To become contributing members of the social, civic, and industrial community.

CURRICULUM CHANGES

Curriculum changes may be made at any time with the approval of the Curriculum Committee to meet the needs of business and industry.

ADMISSIONS REQUIREMENTS

Students who plan to enter the School of Vocational Technical Education, Boise State University, must complete:

1. Boise State University application—Admissions Office (\$10.00 matriculation fee required).

2. Personal interview with a School of Vocational Technical Education counselor.
3. \$75.00 registration advance security deposit to the School of Vocational Technical Education. This is applied to your fees upon registration and is refundable only with justifiable cause. The deadline to apply for the refund is two weeks before classes begin.
4. The General Aptitude Test Battery (GATB) may be required.

There are a limited number of students that can be accepted in all programs so all admission requirements should be completed early.

When steps 1 and 2 have been completed and you have been accepted by one of the Vocational Technical counselors, you are eligible to pay the \$75.00 advance deposit. You will then be issued a Permit to Register. *You are not in a program until steps 1 through 3 are completed.*

High school graduation or a GED 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: Bonnie J. Sumter; *Dental Assisting:* Imbs, MacInnis; *Surgical Technology:* Curtis, Gollick; *Practical Nursing:* Bowers, Dallas, Maitland, Stark, Towle.

DENTAL ASSISTANT 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 GATB, 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 Commission on Dental Accreditation and the American Dental Assistant Association. Students are eligible to take the Certification Examination upon completion of this course.

SUBJECTS

	Fall	Spring
Dental Laboratory DA 101-102	4	3
Dental Radiology DA 104	2	—
Dental Assisting Clinical Experience DA 106	—	3
Dental Office Management	2	—
Public Health and Dental Hygiene DA 109	2	—
Communication Skills DA 111-112	3	3
Dental Theory DA 151-152	4	3
Occupational Relationships DA 262	—	2
Fundamentals of Speech CM 111	3	—
First Aid PE 105	—	1
	20	15

COURSE OFFERINGS

DA — DENTAL ASSISTING

DA 101-102 Dental Laboratory (0-10-4) (F), (0-6-3) (S). Provides practical laboratory experience in handling dental materials and instruments.

DA 104 Dental Radiology (0-4-2) (F). Provides dental assisting students the opportunity to become skilled in dental x-ray procedures with a heavy emphasis on safety.

DA 106 Dental Assisting Clinical Experience (0-16-3) (S). Supervised chairside assisting experience in private dental offices and clinics.

DA 108 Dental Office Management (2-0-2). Covers the fundamentals of business practices related to dentistry.

DA 109 Public Health and Dental Hygiene (2-0-2). The class work deals with preventive dentistry and patient education.

DA 111, 112 Communication Skills (3-0-3) (F/S). Enables the students to use our language effectively as a tool for logical thinking, problem solving, technical writing and speaking required in their major field of preparation.

DA 151-152 Dental Theory (0-6-4) (F), (0-6-3) (S). Lectures cover the basic dental sciences and dental specialties.

DA 262 Occupational Relations (2-0-2). The course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining, and advancing in employment. One semester course.

SURGICAL TECHNOLOGY 9-Month Program

The Surgical Technology Program in cooperation with St. Alphonsus Hospital is approximately nine months in length and consists of clinical experience 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 Surgical Technicians recognized by the Association of Surgical 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 Surgical Technician, sponsored by American Medical Association Council on Allied Health Education.

ADMISSION

Entrance requirements: high school graduation or pass 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 a selection committee is necessary before admission.

Classroom work includes instruction in basic sciences of Anatomy and Physiology, Microbiology, Sterilization, Aseptic Technique, and instruction in the needs of humans in surgery, with emphasis on the surgical technician's part in meeting these needs.

Clinical experience consists of supervised hospital surgical experience in the operating room in all phases of surgery.

Refund policy—Part II of the Catalog.

PRACTICAL NURSING 11-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 11 months in length and consists of hospital and long term care nursing experiences and classroom instruction. A certificate is awarded upon graduation from the course. Students are then eligible to take the state licensing examination, which, if passed, qualifies them to practice as licensed practical nurses. The program is approved by the Idaho Board of Nursing.

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, the care of sick children, new mothers and infants, rehabilitation and remotivation techniques in the care of the aged and long-term patient. Failure to meet requirements in either theory or clinical areas may result in termination from the program.

ADMISSION

Entrance requirements: high school graduation or pass 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 applicant will be interviewed by a committee. Twenty four students will be selected for the Boise program and ten students selected for the Nampa program.

DEPARTMENT OF HEAVY TECHNOLOGIES

Department Head: Gary Arambarri; *Air Conditioning:* Tucker; *Mechanical Plant Maintenance:* Allen; *Machine Shop:* Glassen, Wertman; *Utility Lineman:* Choate; *Welding:* Arambarri, Baldner, Ogden.

AIR CONDITIONING, REFRIGERATION AND HEATING 11-Month Program

The Air Conditioning, Refrigeration, and Heating Program 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 skills and knowledge necessary to repair the equipment with a strong emphasis on safety.

SUBJECTS	Fall	Spring	Summer
Air Conditioning Lab RH 121-122-123	10	10	10
Air Conditioning Theory RH 141, 142, 143	5	5	5
Occupational Relationships RH 262	2	—	—
	17	15	15

COURSE OFFERINGS

RH AIR CONDITIONING, REFRIGERATION AND HEATING

RH 121-122-123 Air Conditioning, Refrigeration and Heating Laboratory (0-29-10). These courses provide the laboratory application of principles covered in the Theory class. Skills will be developed and practice will be provided which will be needed by the service person. Different phases of air conditioning, refrigeration and heating will be covered.

RH 141-142-143 AIR CONDITIONING, REFRIGERATION AND HEATING THEORY (0-10-5). This sequence of courses 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 is used in the inspection of components such as relays, thermostats, motors and refrigerant lines.

RH 262 Occupational Relations (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining, and advancing in employment. One semester course.

**MECHANICAL PLANT MAINTENANCE
9-Month Program**

The Mechanical Plant Maintenance Program provides the student with laboratory experiences, practical theory, and related instruction. The courses include mathematics, basic electricity, blueprint reading, hydraulics, pneumatics, welding, machine shop procedures and troubleshooting.

Preventive maintenance and job safety will be stressed. Emphasis will be on obtaining the required skills necessary to prepare students for entry level jobs in the expanding maintenance field.

SUBJECTS	Fall	Spring
Mechanical Maintenance Lab PM 121-122	10	10
Mechanical Maintenance Theory PM 141-142	5	5
Occupational Relationships PM 262	—	2
	15	17

COURSE OFFERINGS

PM — MECHANICAL PLANT MAINTENANCE

PM 121-122 Mechanical Plant Maintenance Laboratory (0-20-10). The sequence of courses provide the laboratory application of principles covered in theory classes. Fall semester coverage will concentrate on basic welding for the maintenance field, including oxyacetylene, stick electrode, M.I.G., and T.I.G. Spring semester emphasizes beginning fundamentals of maintenance machine shop operations using the lathe, milling machine, and other equipment found in the machine shop. Related topics will be included.

PM 141-142 Mechanical Plant Maintenance Theory (0-10-5). These courses include mathematics, basic electricity, pneumatics, hydraulics, blueprint reading, safety, troubleshooting, and other related technologies.

PM 262 Occupational Relations (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining, and advancing in employment. One semester course.

**MACHINE SHOP
18 Month Program**

Boise State offers a specialized Machine Shop program for students desiring to become machine tool operators. Students receive instruction in the set up and use of all basic machines including engine lathes, milling machines, planers, shapers, grinders and bench work connected with them. Students will also learn about the many different materials and processes used by industry. They will receive classroom instruction and practical experience in the use of various precision, measuring and testing equipment now being used by metals manufacturing industries.

FRESHMAN YEAR:

	1ST SEM.	2ND SEM.
Machine Shop Laboratory MS 101, 102	8	8
Communication Skills MS 111	3	—
Rel. Blueprint Reading MS 124, 125	3	3
Related Basic Math MS 132	2	—
Related Theory MS 151, 152	3	3
Occupational Relationships	—	2
	19	16

SOPHOMORE YEAR:

	1ST SEM.	2ND SEM.
Adv. Machine Shop Lab MS 201	8	8
Blueprint Reading & Layout MS 221, 222	2	2
Related Adv. Math MS 231, 232	4	4
Adv. Machine Shop Theory MS 251, 252	2	2
	16	16

COURSE OFFERINGS

MS — MACHINE SHOP

MS 101, 102 Machine Shop Laboratory (0-20-8). This sequence covers safety, shop practice, work habits, and production rates. Also included is the set-up and operation of the lathes, milling machines, drill presses, shapers, power saws, grinders, the use of special attachments, bench work, and layout.

MS 111 Communication Skills (3-0-3). To manage symbols and discover meaning, candidly, clearly, and exactly is the performance objective of communication skills. As a trainee, worker, citizen, and human being, regardless of preparation and background, each student is provided an opportunity through individual and group projects to identify and resolve communication issues relevant to his/her own need and career.

MS 124-125 Related Blueprint Reading (2-2-3). This is concerned with the 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 included. The sketching and drawing of actual shop projects will enable the student to better understand the techniques used in the reading of machine shop blueprints.

MS 132 Related Basic Math (2-0-2). A study of fractions, decimals, metric system and basic math processes such as addition, subtraction, division and multiplication as applied to the machine shop.

MS 151-152 Related Theory (3-0-3) (F), (3-0-3) (S). Machining processes and their application as practiced in the laboratory course. Safety and sound work habits are emphasized in all phases of instruction. The set-up, care and maintenance of 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 is reviewed. Prerequisite: for MS 152 is MS 151.

MS 201, 202 Advanced Machine Shop Laboratory (0-20-8). The set-up and operation involving manipulative development and increase skill in the use of lathes, milling machines, drill presses, shapers, power saws, tools and cutter grinder, surface grinder, heat treating, hardness testing, layout, inspection, tracer lathe, and numerical control mill set-up, operation and programming. Prerequisite: MS 102.

MS 221-222 Blueprint Reading and Layout for the Machinist (2-0-2). Three dimensional drawing and hand sketching of mechanical devices will be covered.

MS 231-232 Related Adv Math (6-0-4). A study of trigonometry and geometry as applied to shop problems and the mathematics required for numerical control machining. A study of scientific principles required in the machinist trade is provided.

MS 251-252 Adv. Machine Shop Theory (2-0-2). 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.

MS 262 Occupational Relations (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

**ELECTRICAL LINEMAN
11-Month Program**

The Electrical Lineman Program provides the student with the best and most complete basic preparation possible in overhead and underground construction and maintenance procedures. Centering around a basic program of performance based objectives, instructional materials and field experiences, the program provides the student with the necessary skills and knowledge needed as a firm foundation in this rapidly advancing field.

In the laboratory experience with equipment such as transformers, oil circuit breakers, switches, materials and pole line hardware, hot line tools, test equipment, bucket truck, line truck, trencher/backhoe, and related equipment components, provides the student with "hands-on" experience permitting further and more concentrated advancement in these skilled areas.

The program is designed to produce a highly skilled, well-informed apprentice lineman and in addition to teaching the use of all tools, materials, and equipment of the trade, the areas of first

VOCATIONAL-TECHNICAL SCHOOL

aid, personal safety, and occupational safety are stressed as integral parts of each area of the craft.

SUBJECTS	Fall	Spring	Summer
Lineman Lab EL 101-102-103	10	10	10
Lineman Theory EL 151-152-153	5	5	5
Occupational Relationships EL 262	2	—	—
	17	15	15

COURSE OFFERINGS

EL ELECTRICAL LINEMAN

EL 101-102-103 Lineman Laboratory (0-25-10). The field operation provides actual "job type" experience for the student. Course content includes advanced climbing techniques, ropes and rigging, pole setting and removal, framing of various structures for transmission and distribution, guys and anchors, conductor and insulator installation and maintenance, installation of primary protective and overcurrent equipment, installation of transformers and transformer banks, services, street lights, underground distribution design, construction and maintenance, troubleshooting both overhead and underground, use and care of personal protective equipment, hot stick use and care, operation and maintenance of vehicles and all related construction equipment.

EL 151-152-153 Lineman Theory (0-10-5). The theory portion of the program provides the student with an ample background in the basics of electrical theory, power generation, transmission, distribution, materials identification and application, overcurrent and protective devices, construction techniques, design and specification, basic climbing skills and care of personal tools, transformer theory, design and construction, operation and maintenance of vehicles and equipment, first aid, and personal and occupational safety.

EL 262 Occupational Relations (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

WELDING
11-Month Program

The Welding Program provides the student with instruction, practical experience, and related theory in shielded metallic arc welding (SMAW), oxygen-acetylene (OA) welding and brazing, metallic inert gas (MIG) welding, oxygen-acetylene cutting of ferrous metals, plasma-arc cutting of non-ferrous metals, and the use of carbon arc cutting equipment. The first 9 months will be basic to intermediate welding. The summer session will be of a two-tract design. First, the design will permit students who need more time to satisfy requirements on performance based objectives for the basic portion of the program; and second, to permit the advanced students to further their skills, and to concentrate in more technical areas.

The program is designed to produce skilled workers in the areas of welding and blueprint interpretation as well as layout and fitting. The student will do all lab work based upon performance based objectives. The student will utilize all tools and equipment in his trade with a continuing emphasis on safety.

SUBJECTS	Fall	Spring	Summer
Lab W 101-102-103	10	10	5
Theory W 151-152-153	2	2	2
Blueprint Reading W 121-122-123	3	3	3
Communication Skills W 111	3	—	—
Occupational Relations W 262	—	2	—
	18	17	10

W — WELDING

W 101-102 Welding Laboratory (0-20-10). The basic to intermediate portion to this program includes electric arc (SMAW) with various mild and low alloy steel electrodes, oxygenacetylene (OA) welding and brazing, metallic inert gas (MIG) welding with solid and flux core, dual shield wire, oxy-acetylene cutting of steel with automatic and manual equipment, plasma-arc cutting of non-ferrous types of metals, the cutting and various use of carbon air arc equipment.

W 103 Welding Laboratory. (-20-5) (SU). For basic students to continue on tract and second tract for advanced students to work into advanced welding as in TIG, PIPE, and certification. This program will be open exit after the end of the 9 month program. Continuing students must attain a required skill level before an extended amount of time would be spent on certification.

W 111 Welding Communication (3-0-3) (F). To manage symbols and discover meaning candidly, clearly and exactly is the performance objective of communication skills. As a trainee, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career.

W 121-122-123 Blueprint Reading and Layout (3-0-3). Will include basic blueprint fall semester, basics of structural steel layout and fitting procedures. Spring semester will include advanced structural steel and basic plate drawing including field assembly plans and related math. Summer session will include advanced plate and pipe drawings, including transitions and pipe elbows.

W 151-152-153 Welding Theory (2-0-2). The theory for the program covers all areas as related to the lab portion as well as material identification, material strength, forming methods, material rigging and handling, and all aspects of safety.

W 262 Occupational Relations (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

DEPARTMENT OF LIGHT TECHNOLOGIES

Department Head: E. Allen Weston; *Electronic-Mechanical Service Technician:* Sellers; *Drafting:* Chandler, Leigh, Olson, Watts, Weston; *Electronics:* Dodson, Frost, LaRue, Macken; *Wastewater Technology:* Felton; *Business Machine Tech:* Jones

ELECTRONIC-MECHANICAL TECHNICIAN

The Electronic Mechanical Service Technical Program provides for the individual who wishes to repair electronic or mechanical devices. The emphasis in this program is a basic mechanical and theory approach. Students entering into program have two options open to them before graduation. At the end of the freshman year they may choose Consumer Electronics or Business Machine Technology. During the sophomore year, the student will specialize in one of these two fields.

Students graduating from either field will receive an Associate of Applied Science degree.

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
Mechanical Lab ES 101-102	4	4
Electronics Lab ES 103-104	2	2
Customer Relations ES 113	2	—
Small Business Math ES 132	—	3
Mechanical Theory ES 151-152	2	2
Electronic Theory ES 153-154	3	3
Related Electronic Math ES 130	3	—
	16	14

CONSUMER ELECTRONICS (OPTION)

	1ST SEM.	2ND SEM.
SOPHOMORE YEAR:		
Electronics Lab ES 203-204	11	11
Applied Theory & Shop Management ES 254	3	3
Digital Electronics ES 272	3	3
	17	17

COURSE OFFERINGS

ES — CONSUMER ELECTRONICS

ES 101-102 Mechanical Lab (0-10-4). These courses deal with the adjustment and repair of mechanical mechanisms.

ES 103-104 Electronics Lab (0-5-2). Deals with the use of electronic test equipment and the testing of circuits developed for the understanding of theory. Safety is stressed.

ES 113 Customer Relations (2-0-2) (F). Course is directed to enable a student to become skilled in the methods necessary to effectively deal with the public and in job getting skills. One semester course.

ES 130 Related Electronic Math (3-0-3). Basic mathematics through Algebra required to understand the electronic theory.

ES 132 Small Business Math (3-0-3) (S). The math and record keeping necessary to run a small business.

ES 151-152 Mechanical Theory (5-0-2). This course designed to provide basic mechanical principals, cleaning and shop practices.

ES 153-154 Electronic Theory (0-5-3). These courses are the basic theory of R.C.L. and diode inactive circuits and transistor vacuum tube and IC active circuits.

ES 203-204 Electronics Lab (0-25-11). These courses will cover the actual repair of domestic electrical/electronic equipment.

ES 253-254 Applied Theory and Shop Management (3-0-3). This course is designed to provide theory on consumer products such as color television, radio, and stereo equipment preparatory to the lab situation.

ES 271-272 Digital Electronics (3-0-3). This course is a study of all the logic gates and trouble shooting techniques.

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 preparation. He/she will be qualified to make maintenance contract inspections, proper mechanical adjustments and do general shop work. He/she will also be in a position to receive on-the-job training by his/her employer in order to become a highly specialized technician. The student will be prepared in Basic Electronics, testing procedures, and maintenance techniques for manual, electric, and electronic business machines. Prerequisite: Electronic-Mechanical Service Technician one year Freshman course.

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Adv. Business Machine Lab BM 201-202	7	7
Adv. Business Machine Theory BM 251-252	6	6
Digital Electronics ES 271-272	3	3
	<u>16</u>	<u>16</u>

COURSE OFFERINGS

BM — BUSINESS MACHINE TECHNOLOGY

BM 201-202 Adv. Business Machine Laboratory (0-18-7). A self-paced workshop where the 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. Prerequisite: ES 101-102.

BM 251-252 Adv. Business Machine Theory (0-10-6). This is a hands on type theory course in which the student is taught the basic concepts of business machines including: adders, calculators, copy machines, electronic business machines and duplicator processes with trouble-shooting techniques. Also offered are shop management and related selling techniques. Prerequisite: ES 151-152.

PRE-TECHNICAL

This is a one-semester pre-technical sequence for those students who lack the recommended prerequisite courses deemed necessary to compete 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 lapse since their last formal schooling.

	CREDIT EQUIV.	HOURS PER WEEK
Blue Print Reading and Basic Mechanical Drawing PT 010	3	10 hours
Intro to Tech Comm. PT 020	3	(2 lec. 8 lab.)
Intro to Tech Math. PT 030	4	5 hours lec.
Science Survey PT 040	4	5 hours lec.
Technical Orientation PT 050	1	2 hours lec.
Totals	15	25 hours

The above noncredit courses are open to all students entering the vocational technical programs at Boise State University.

The above sequence is offered every semester to meet student demands and to permit admittance in the spring as well as in the fall semester.

COURSE OFFERINGS

PT — PRE-TECHNICAL

PT 010 Blueprint Reading and Basic Mechanical Drawing (5-5-3). An introductory course in blueprint reading, sketching and drafting methods and procedures.

PT 020 Introduction to Technical Communications (3-0-3). A survey course of communication systems, use of technical libraries, forms, reports and technical language, word usage, spelling and proper form are emphasized.

PT 030 Introduction to Technical Mathematics (5-0-4). Survey and review of mathematic principles and methods. Uses of mathematics in technical fields with practical examples of application.

PT 040 Science Survey (5-0-4). Review of science as related to business and industry with practical problems and applied solutions.

PT 050 Technical Orientation (3-0-1). A survey course of business and industry utilizing guest speakers, field trips and special reports.

DRAFTING TECHNOLOGY

This curriculum is organized to provide engineering departments, government agencies, consulting engineers and architectural firms with a technician well versed in the necessary basic skills and knowledge of drafting. The student is required to develop and maintain the same standards and techniques used in

firms or agencies that employ draftsmen. All courses are taught each semester, so that students may enter at the beginning of any regular semester.

First Semester

Drafting Lab and Lecture DT 101	4
Communication Skills DT 111	3
Mathematics DT 131	5
Sciences DT 141	3
Manufacturing Processes DT 153	2

Second Semester

Drafting Lab and Lecture DT 102	4
Communication Skills DT 112	3
Introduction to Surveying DT 122	3
Math DT 132	4
Science DT 142	3
Construction Codes DT 172	2

Third Semester

Drafting Lab and Lecture DT 201	4
Descriptive Geometry DT 221	3
Applied Mathematics DT 231	3
Statics DT 241 or Strength of Materials DT 242	4
Design Orientation DT 253	2
Occupational Relationships DT 262	2

Fourth Semester

Drafting Lab and Lecture DT 202	4
Technical Report Writing DT 222	2
Applied Mathematics DT 232	3
Strength of Materials DT 242 or Statics DT 241	4
Specialized Graphics DT 263	2

COURSE OFFERINGS

DT — DRAFTING TECHNOLOGY

DT 101 Drafting Laboratory and Lecture (0-15-4). Mechanical drafting with basic drafting techniques, standards, and methods.

DT 102 Drafting Laboratory and Lecture (0-15-4). Architectural drafting with tension compression and bending; introduction to limited structural design. Prerequisite: DT 101.

DT 111, 112 Communication Skills (3-0-3) (F/S). Objective: to enable students to use language effectively as a tool for logical thinking, problem solving, technical writing and speaking required in their major field of endeavor.

DT 122 Surveying (4-0-3). Introduction to surveying, methods and computation. Required field work with emphasis on compiling data and office computation. Prerequisite or corequisite: DT 132.

DT 131 Mathematics (5-0-5). Fundamentals of algebra with an introduction to trigonometry and the use of calculators. Prerequisite: satisfactory grade in high school algebra or equivalent.

DT 132 Mathematics (4-0-4). Advanced algebra and trigonometry, closely integrated with drafting, surveying and science. Prerequisite: DT 131 or equivalent.

DT 141 Applied Physics (3-0-3). A general survey of physics with emphasis placed on principles of mechanics applied to solid particles and to fluids.

DT 142 Applied Physics (4-0-3). Course in the basic principles of heat, sound, light, electricity, and magnetism, correlated with technical mathematics DT 132. Prerequisite: DT 141.

DT 153 Manufacturing Processes (3-0-2). A survey of materials, machine, tools, production methods, and quality control methods.

DT 172 Construction Codes (2-0-2). Introduction to national and local building, electrical, plumbing and fire codes, as pertaining to residential and light commercial building, construction. Emphasis on FHA, VA and conventional standard requirements. (Open to non-drafting technology majors—space permitting).

DT 201 Drafting Laboratory and Lecture (5-10-4). Civil drafting, mapping, highway curves and earthwork. Prerequisite: DT 122, 132, 102.

DT 202 Drafting Laboratory and Lecture (5-10-4). Structural drafting terminology, structural and reinforcing steel specifications and drawing practice. Prerequisite: DT 201, DT 221.

DT 221 Descriptive Geometry and Development (4-0-3). Theory and practice of coordinate projection applied to the solution of properties of points, lines, planes and solids with practical drafting application.

DT 232 Technical Report Writing (2-0-2) (F/S). Objective: to enable students to meet on-the-job standards of report preparation in the field of drafting.

DT 231 Applied Mathematics (4-0-3). Solution of practical problems involving concepts from DT 131 and DT 132 Math. Prerequisite: DE 132.

DT 232 Applied Mathematics (4-0-3). Application and expansion of mathematics, statics and strength of materials. Related to lab projects. Prerequisite: DT 231.

DT 241 Statics (4-0-4). Introductory course in statics with emphasis on analysis of simple structures. Prerequisite: DT 132.

DT 242 STRENGTH OF MATERIALS (4-0-4). Analysis of stress and strain in torsion, tension, compression and bending. Introduction to limited structural design. Prerequisite: DT 132.

VOCATIONAL-TECHNICAL SCHOOL

DT 261 Graphics (2-0-2) (FS). Introduction to graphic presentation methods used in industry, such as isometric and perspective rendering, charts, graphs and pictorial representations. (Open to non-drafting technology majors—space permitting).

DT 262 Occupational Relations (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

DT 263 Specialized Graphics (3-0-2). An intensive study of perspective and rendering as used in industrial illustration, architectural rendering and civil engineering graphics. Lecture-laboratory. Prerequisite: DT 261 Graphics. (Open to non-drafting technology majors—space permitting).

ELECTRONICS TECHNOLOGY

The Electronics Technology Program prepares students desiring to enter the field of Electronics, working as team members with engineers in manufacturing, field troubleshooting, and research and development.

FRESHMAN YEAR:	1ST SEM.	2ND SEM.
Electronics Laboratory ET 101-102.....	2	2
Digital Computer Programming ET 104.....	2	—
Communication Skills ET 111-112.....	3	3
Basic Electronics Math ET 131-132.....	4	4
Intro to Digital Electronics ET 161.....	—	2
Electronic Theory ET 151-152.....	5	5
Circuit Analysis ET 171-172.....	3	3
	<u>19</u>	<u>19</u>

SOPHOMORE YEAR:	1ST SEM.	2ND SEM.
Adv. Electronic Laboratory ET 201-202.....	5	5
Advanced Electronic Math ET 231-232.....	3	3
Advanced Electronic Science ET 241-242.....	2	2
Advanced Electronic Theory ET 251-252.....	4	4
Occupational Relationships ET 262.....	2	—
Digital Electronics ET 271-272.....	3	3
Digital Systems Design.....	—	3
	<u>19</u>	<u>20</u>

COURSE OFFERINGS

ET — ELECTRONIC TECHNOLOGY

ET 101 Electronics Laboratory I (0-10-2) (F). Experiments in direct current electronics. Study of resistance, dc circuit behavior, dc applications of capacitors and inductors, dc operation of transistor circuits, and characteristics of dc test equipment.

ET 102 Electronics Laboratory II (0-10-2) (S). Experiments in alternating current electronics. Study of reactance, impedance, ac circuit behavior, ac transistor circuits, ac circuit devices, and characteristics of ac test equipment. Prerequisite: ET 101.

ET 104 Fortran Computer Programming (2-0-2) (F). Course for electronics majors covering principles and procedures involved in construction of computer programs for problem solving. FORTRAN IV programming language is used as the basis for student written programs which must be satisfactorily executed as a part of course requirements.

ET 111, 112 Communication Skills (3-0-3) (F/S) Objective: to enable students to use language effectively as a tool for logical thinking, problem solving, technical writing and speaking required in their major field of training.

ET 131 Electronics Mathematics I (5-0-4) (F). The number system, algebra and algebraic equations, functions and the graphing of functions, and plane geometry and trigonometry. Emphasis is placed on applications relating to electronics.

ET 132 Electronics Mathematics II (5-0-4) (S). Logarithms and exponentials, complex numbers, vectors and vector mathematics, trigonometric functions and equations, sequences and series, and analytic geometry. Prerequisite: ET 131.

ET 151 Electronics Theory I (5-0-5) (F). Theory of direct current electricity, its behavior in dc circuits, resistance and physical properties contributing to resistance, dc current and voltage laws, dc circuit analysis, and physical properties of circuit components.

ET 152 Electronics Theory II (5-0-5) (S). Theory of alternating current electricity, its behavior in electric circuits, properties of reactance and impedance, ac circuit analysis, and ac and dc circuit design. Prerequisite: ET 151.

ET 161 Introduction to Digital Electronics (2-0-2). Introduction to the binary numbering system including addition, subtraction, elementary boolean algebra, and Karnaugh maps. Also, an introduction to digital electronics which will cover the basic; AND, OR, NAND, NOR, and INVERT.

ET 171-172 Circuit Analysis (2-3-3). The purpose of this course is to immediately get the beginner into a study of Physics. This course advances to solid state electronic circuitry as ET 151-152 progresses. Both semesters the student is expected to analyze, debate, and report on circuits and problems he investigates.

ET 201-202 Advanced Electronic Lab (0-10-5). These courses follow the same description as ET 251-252 (Theory) but also cover the test, measurement, and calibration of those circuits studied during theory sessions.

ET 231, 232 Advanced Electronic Math (5-0-3). 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. Problems pertain to electronic circuits.

ET 241-242 Electronics Science (2-0-2). The application of the electro-electronics principles, to the measurements and control of the physical properties of heat, light, sound, etc. Prerequisite: ET 141.

ET 251, 252 Advanced Electronic Theory (5-0-4). 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.

ET 262 Occupational Relations (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

ET 271-272 Digital Electronics (3-0-3). Binary concepts, basic logic, Boolean algebra, counters, adders, basic computer circuits; second semester advanced concepts and analytical troubleshooting of digital devices. Prerequisite: ET 161.

ET 282 Digital Systems Design (3-0-3) (S). Utilization of digital logic constructs in the design of digital devices and systems. Study of basic digital concepts, flip-flops, counters, combinational and sequential logic, registers and memory devices, DA and AD converters, and basic microprocessor concepts with emphasis placed on design considerations. Elective. Prerequisite: ET 271, PERM/INST.

WASTEWATER TECHNOLOGY 11-Month Program

The Wastewater Technology Program is designed to prepare a student for employment as a new entry wastewater treatment plant operator. The program covers all phases of treatment plant operations, related math and sciences, maintenance, public relations, communications and report writing. Hands-on-experience is provided when the student works at an area wastewater facility.

SUBJECTS	1ST SEM.	2ND SEM.
Wastewater Lab I WW 101.....	10	—
Wastewater Lab II WW 102.....	—	10
Wastewater Treatment Plant Operations I WW 151.....	5	—
Wastewater Treatment Plant Operations II WW 152.....	—	5
Occupational Relations WW 262.....	—	2
	<u>15</u>	<u>17</u>

SUMMER:

Plant Practicum WW 105.....	—	8
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COURSE OFFERINGS

WW — WASTEWATER TECHNOLOGY

WW 101 Wastewater Lab (0-20-10). Consists of trips to the various types of wastewater treatment facilities as an introduction to the many varied processes within the industry. Upon completion of various process units visits to the plants will be made on just that unit. Mechanically related lab along with the necessary sanitary chemistry lab will be performed.

WW 102 Wastewater Lab II (0-20-10). Student assignments to a local wastewater facility for two days per week will consist of hands on day-to-day operation of a wastewater facility. Continuation of the chemistry and mechanical labs. An aquatic field survey covering stream flow, stream chemistry, watershed identification, weir installation and aquatic identification.

WW 105 In Plant Practicum (8-0-8). Supervised experience in area wastewater facilities. Students gain experience in all phases of wastewater treatment in a variety of facilities and with several processes.

WW 151 Wastewater Treatment Plant Operations (0-10-5) Introduction to wastewater treatment plant operations, including collection systems, pre-treatment primary sedimentation, aerobic and anaerobic digester operations. Related math, communication skills and chemistry.

WW 152 Wastewater Treatment Plant Operations II (0-10-5). Secondary treatment processes including trickling filter, ABF (aerobic Biological Filter) with greater emphasis on activation sludge, process control. Plant process interaction, report writing, budget preparation and finance and related first aid safety.

WW 262 Occupational Relations (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

DEPARTMENT OF MECHANICAL TECHNOLOGIES

Department Head: Max Lamborn; Auto Body; C. Parke;
Automotive Mechanics: Campbell, Hall, King, Mikesell; Heavy Du-

Charlie Parke 1405

ty Mechanics: Brownfield, Tillman; Parts Counterman: Lamborn; Small Engine Repair: Schroeder; Agricultural Equipment Technology: Gaines.

AUTO BODY
11-Month Program

The Auto Body Program 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. 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 experience 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.

SUBJECTS	Fall	Spring	Summer
Auto Body Lab AB 121-122-123	10	10	7
Auto Body Theory AB 141-142-143	7	5	5
Occupational Relationships AB 262	—	2	—
	17	17	12

COURSE OFFERINGS

AB — AUTO BODY

AB 121-122-123 Auto Body Laboratory (0-25-10)-(FS) (0-25-7)-(SU). The purpose of these courses is to develop the skills needed by an auto body repairman. Subjects covered include: orientation, safety rules, shop house-keeping, oxyacetylene welding, painting fundamentals, metal working, plastic and lead body filling, advanced painting processes, frame alignment, glass and panel replacement.

AB 141-142-143 Auto Body Theory (10-0-7)-(F) (8-0-5)-(S) (10-0-5)-(SU). 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 provided.

AB 262 Occupational Relations (2-0-2). Designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

AUTOMOTIVE MECHANICS

11-Month Program

The Automotive Mechanics Program consists of 11 months of instruction and application. Speciality areas within the program may be taken by students after testing and approval of the instructor.

SUBJECTS

Basic Automotive Mechanics AM 100	8
Electrical Systems and Fuel Systems AM 101	6
Engines, Air Conditioning, and Steering AM 102	8
Power Trains, Automatic Transmissions and Brakes AM 103	8
Advanced Auto Mechanics AM 104	8
Occupational Relations AM 262	2

COURSE OFFERINGS

AM — BASIC AUTOMOTIVE MECHANICS

AM 100 Basic Automotive Mechanics (20-15-8) (8 weeks). Mathematics of the trade, safety practices, use and care of tools, introduction to automotive chemicals and fasteners, the scientific principles of machines, electricity, heat engines, hydraulic systems and gear systems. Principles are applied to the theory and construction of engines, electrical components, fuel system components, drive trains, suspensions and brakes. Students must satisfactorily complete all theory and laboratory assignments and pass a final examination to progress to intermediate auto mechanics. Beginning students may enter directly into intermediate auto mechanics by passing the AM 100 challenge examination and being recommended by the program head.

INTERMEDIATE AUTOMOTIVE MECHANICS

In Intermediate Auto Mechanics students learn construction and repair procedures for automobile components using cars and mock ups. Emphasis is placed on the proper use of tools and test instruments. Completion of all classroom and lab assignments are required before progressing to Advanced Auto Mechanics. Basic Auto Mechanics is a prerequisite to Intermediate Auto Mechanics.

AM 101 Electrical Systems and Fuel Systems (10-25-8) (8 weeks). This course provides experiences relating to the theory and construction to electrical and fuel systems used on modern cars. The diagnosis and repair of malfunctioning systems using the latest equipment is stressed. The course also stresses the industry accepted procedures for tune-up work.

AM 102 Engines, Air Conditioning, and Steering (10-25-8) (8 weeks). This course covers engine repair procedures on live engines and engine components. It presents theory and service procedures for automotive air conditioning. Also covered are front end suspension repair and alignment.

AM 103 Power Trains, Automatic Transmission and Brakes (10-25-8) (8 weeks). The course includes the construction and repair of clutches, standard transmissions, propeller shafts, differentials and related equipment. Also included is the theory and repair procedures of automatic transmissions and the repair of both disc and drum brakes.

ADVANCED AUTOMOTIVE MECHANICS

AM 104 Advanced Auto Mechanics (10-25-8) (8 weeks). Students diagnose and repair autos under actual shop working conditions. Problems are encountered in autos provided by faculty, staff and others. Students may designate an area of special interest and be guided to a specialty. After completing course objectives a student may finish the requirements for graduation by employment in an approved shop serving the automotive trade with his/her instructors permission. Graduation will then be based on the student's job performance.

AM 262 Occupational Relations (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

HEAVY DUTY MECHANICS—DIESEL

11-Month Program

This program is designed to prepare students for employment as heavy duty mechanics. Instruction will cover the basics in design and fundamentals of operation of diesel and heavy duty gasoline engines as well as the component parts. Instruction will be on mock-ups and live work in the shop.

SUBJECTS	Fall	Spring	Summer
Diesel Mechanics Basic DM 101-151	15	—	—
Diesel Lab DM 102-103	—	10	10
Diesel Theory DM 152-153	—	5	5
Occupational Relationships DM 262	—	2	—
	15	17	15

COURSE OFFERINGS

DM — HEAVY DUTY MECHANICS—DIESEL

DM 101 Basic Heavy Duty Mechanics—Diesel (0-30-15). This course covers shop safety practices, use and care of tools, use of measuring devices, service manuals, basic principles of diesel and heavy duty gasoline engines, transmissions, power trains, cooling systems, diesel and gasoline engine fuel systems, electrical systems, suspension hydraulic and air brakes, clutches, steering, and basic welding. Students must satisfactorily complete all theory and laboratory assignments and pass a final examination to progress to intermediate heavy duty mechanics.

DM 102-102 Diesel Laboratory (0-20-10). This course provides the laboratory application of principles covered in basic and theory class. Instruction will be on shop units, general theory and measuring instruments, with some experience devoted to actual repairs on live units.

DM 152-153 Diesel Theory (5-0-5). A study of the design, construction, maintenance and repair of diesel and heavy duty gasoline engines. Shop safety, care and use of special tools, welding, transmissions and power trains, cooling systems, fuel systems, clutches, steering electrical systems, suspension and hydraulic and air brakes will be studied.

DM 262 Occupational Relations (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

PARTS COUNTERPERSON

9-Month Program

The Counterman Program is designed to provide the student with a series of learning experiences in all phases of the automotive parts business. Areas of concentration include index systems, invoices, customer relations, refunding procedures, and warranty adjustments. The use of catalogs, price sheets, and other related forms used in the parts industry will be covered.

SUBJECTS

Course No. and Title	Fall	Spring
Parts Counterman Lab PC 101-102	10	10
Parts Counterman Theory PC 151-152	5	5
Related Basic Mathematics PC 131	2	—
Occupational Relationships PC 262	—	2
	17	17

COURSE OFFERINGS

PC — PARTS COUNTERMAN

PC 101-102 Automotive Parts Laboratory (0-25-10). A parts store is established and operated in conjunction with the mechanical programs. Lab experience includes jobber and dealership operation.

PC 131 Related Basic Math (2-0-2). Basic arithmetic, fractions, decimals, discounting, and percentages are covered. Use of measuring tools is taught.

PC 151-152 Automotive Parts Theory (8-0-5). 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.

PC 262 Occupational Relations (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

VOCATIONAL-TECHNICAL SCHOOL

SMALL ENGINE REPAIR
(Recreational Vehicles) 9-Month Program

The Small Engine Repair Program will include classroom, math, and shop experiences directed to maintaining and repairing of a variety of two and four cycle engines used on portable power equipment, e.g., lawnmowers, outboard motors, chain saws, rotary tillers and recreational vehicles. The instructional units will emphasize the complete repair of all types of small engine equipment.

Credit in this course of study is not counted toward an academic degree.

SUBJECTS	Fall	Spring
Small Engine Laboratory SE 101-102.....	14	14
Small Engine Theory SE 141-142.....	2	2
Occupational Relationships SE 262.....	—	2
	16	18

COURSE OFFERINGS

SE — SMALL ENGINE REPAIR

SE 101 Small Engine Laboratory (0-25-14). Includes application and instruction in repair and overhaul of small engine units with emphasis on lawn and garden equipment.

SE 102 Small Engine Laboratory (0-25-14). Repair and maintenance of recreational vehicles, motorcycles, snowmobiles and outboard marine engines.

SE 141 Small Engine Theory (0-8-2). Provides a basic understanding of internal combustion engine and principles of two and four cycle engines. Fundamentals in carburetion and electrical systems are covered.

SE 141 Small Engine Theory (0-8-2). Includes instruction in power train, clutching, trouble shooting, fuel systems, tune-up, marine engines and chain saws.

SE 262 Occupational Relations (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

AGRICULTURAL EQUIPMENT TECHNOLOGY
9-Month Program

The Agricultural Equipment Technology Program is designed to prepare students for employment in the repair of equipment used in the production and harvesting of agricultural products. Procedures from field troubleshooting to shop overhaul on various types of equipment will be covered. Theory and principles of operation will be stressed including a strong emphasis on safety procedures.

COURSES	Fall	Spring
Agriculture Equipment Lab AE 101-102.....	10	10
Agricultural Equipment Theory AE 151-152.....	5	5
Occupational Relationships AE 262.....	—	2

COURSE OFFERINGS

AE 101-102 Agricultural Equipment Lab (0-25-10). This course provides the application of principles covered in the theory class. Shop experience will be gained by making actual repairs to tractors and other planting, cultivating and harvesting equipment. Basic welding will also be covered.

AE 151-152 Agricultural Equipment Theory (0-10-5). A study of the internal combustion engine, gasoline and diesel fuel systems, mechanical and hydraulic theory and the application of these principles to the various machines used in farming operations.

AE 262 Occupational Relationships (2-0-2). Techniques of obtaining employment; relationships between workers, supervisors and employers. Resolution of human relationship issues of shop and office.

DEPARTMENT OF SERVICE OCCUPATIONS

Department Head: Joan Lingerfelter; *Child Care:* Lingenfelter, Gourley; *Food Service:* Hoff, Brown; *Horticulture:* Griffith, Oyler; *Mid-Management:* Knowlton, Lane, Scudder; *Office Occupations:* Adkins, Metzgar, Trumbo, McDonough.

CHILD CARE STUDIES (SUPERVISOR)

This curriculum is planned for people interested in working as teachers and/or as supervisors in private day care centers, play grounds, camps, nurseries, kindergartens, and child development centers.

DAY CARE SUPERVISOR
18-Month Program

Graduates will be trained to 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 SUBJECTS	1ST SEM.	2ND SEM.
Introduction to Child Development CC 101 ..	3	—
Introduction to Child Development CC 151 ..	—	3
Communication Skills CC 111	3	—
Health and Care of the Young Child CC 141 ..	3	—
Curriculum of the Young Child CC 171-172 ..	3	3
Child Care Laboratory CC 181-182	3	3
Contracted Field Experiences in Early Childhood Programs CC 125-126	1	1
Planning and Evaluation of Laboratory Experience CC 135-136	2	2
	18	12

DAY CARE TEACHER/SUPERVISOR: SUBJECTS	1ST SEM.	2ND SEM.
Advanced Child Care CC 251-254	3	3
Child Care Center Management CC 231-232 ..	2	3
Family and Community Involvement with Children CC 252	3	—
Occupational Relationships CC 261	—	2
Feeding Children CC 241-242.....	3	3
Child Care Center Supervision CC 201-202 ..	3	3
Contracted Practicum in Early Childhood Supervision CC 225-226	2	2
Planning and Evaluation of Child Care Center Supervision CC 235-236.....	1	1
	17	17

COURSE OFFERINGS

CC — CHILD CARE

CC 101-151 Introduction to Child Development (3-0-3). Basic principles of child growth and development, the individual needs of preschool children, their language development, understanding their behavior and techniques of guidance and discipline.

CC 111, 112 Communication Skills (3-0-3) (F/S). Objective: to enable students to use language effectively as a tool for logical thinking, problem solving, technical writing and speaking required in their major field of training.

CC 125-126 Contracted Field Experience in Early Childhood Programs (0-3-1). Individual contract arrangement involving student, instructor and cooperating community agency to gain practical experience in off-campus settings. The student will visit, observe, and participate in community child care settings.

CC 135-136 Planning and Evaluation of Laboratory Experience (2-0-2). Classroom lecture and discussion to include lab observation and records, methods of curriculum planning and evaluation, activity plans, classroom objectives, and staff performance and relations.

CC 141 Health and Care of the Young Child (5-0-3). Safety practices, basic nutrition, general health education, identification of, treatment and prevention of common childhood diseases as applied to children in child care centers. Also includes maintenance of teachers health, red cross multimedia first-aid emergency training and a workshop on the safe maintenance of toys and equipment.

CC 171-172 Curriculum of the Young Child (3-0-3). Curricula media suitable for preschool children. Includes theories of teaching curriculum subjects; the need for a curriculum in nursery school; and specific information, materials and the opportunity to use them in the following areas: art, story telling, music, environmental science, beginning number and letter recognition.

CC 181-182 Child Care Laboratory (0-9-3). Observation and participation in the laboratory preschool. Student will serve as aide and assistant teacher, working directly with the children; attend staff meetings, plan and carry out a variety of daily activities and become acquainted with curriculum, classroom arrangement, schedules, child guidance, staff responsibilities.

CC 201-202 Child Care Center Supervision (0-9-3). Observation and preparation in laboratory preschool. Student will gradually assume responsibility for the total child care operation under the supervision of instructor: serving as head teacher, planning curriculum, supervising staff, conducting staff meetings, planning daily and weekly schedules and studying techniques for child evaluations, parent conferences.

CC 225-226 Contracted Practicum in Early Childhood Programs. (0-6-2). By permission of instructor. A course designed to meet specific needs of the student as determined by both the student and instructor. A practical application of knowledge and skills in com-

munity child care settings. Individual contract arrangement involving student, instructor and cooperating agency to gain practical experiences in off-campus settings.

CC 231-232 Child Care Center Management (2-0-2)-(F) (5-0-3)-(S). Introduction to the business practices in the operation of a child care center. Includes business arithmetic, record keeping, purchasing of supplies and equipment, and employer-employee relationships. Also includes licensing procedures required for day care centers.

CC 235-236 Planning and Evaluation of Child Care Center Supervision (1-0-1). 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.

CC 241-242 Feeding Children (5-0-3). Nutritional requirements of preschool children in child care centers. Students plan, purchase, prepare and serve nutritious snacks and meals to children in the CC lab. Also emphasized will be handling food allergies, economics of good nutrition and the development of positive mealtime attitudes.

CC 251-254 Advanced Child Care (5-0-3). A review of the history of child care, the modern day need for child care facilities in the U.S., and the types and kinds of centers available locally. Also included will be infant care in group situations, an introduction to kindergarten curriculum, and the qualifications of teachers and/or supervisors of child care centers.

CC 252 Family and Community Involvement with Children (5-0-3). History and dynamics of family interaction; review of cultural life styles. Emphasis will be placed on the need for establishing effective relationships with parents of children in child care centers and the community resources available to both parents and the center.

CC 261 Occupational Relations (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

**CHILD CARE STUDIES (ASSISTANT)
9-Month Program**

This Program 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.

COURSE OFFERINGS

CC — CHILD CARE STUDIES (ASSISTANT)

Child Care Studies (Assistant) courses are described under (supervisor) Child Care Studies.

**FOOD SERVICE TECHNOLOGY
11-Month Program**

The Food Service Technology Program is designed to meet the needs of students as they prepare to enter the food service industry. A variety of experiences and instructional strategies will be provided to cover the operations of fast foods, franchises, motel and hotel specialty houses and catering.

The theory and laboratory experiences will provide the students with the basic skills required for preparation of foods; appreciation of the standards of production, efficient use of time management; skills required in the development of quantity cooking; safe and efficient use of utensils and equipment; and the harmonious relationships that are expected in the industry.

Management practices are covered in the theory class and put into actual use. Included in this sequence of instruction are the procedures of storeroom management for purchasing, receiving, storing and utilization through menu planning. Rounding out the program the student is provided with office procedures, management of monies, food cost accounting and portion controls.

SUBJECTS	Fall	Spring	Summer
Food Service Lab FT 103-104-105	10	10	10
Food Service Theory FT 143-144-145.	5	5	5
Occupational Relationships FT 262	—	2	—
	15	17	15

COURSE OFFERINGS

FT — FOOD SERVICE TECHNOLOGY

FT 103-104-105 Food Service Lab (0-25-10). Correlate the theory with actual large quantity food service practice in situation similar to those found in the food service industry.

FT 143-144-145 Food Service Theory (0-10-5). Theory necessary to prepare a student to be a food service worker and develop an understanding of such principles as fundamental operations of basic nutrition, purchasing, storage, handling, safety, sanitation, handling of prepared foods, bus and set tables, wait on tables, dining room etiquette and dishwashing.

FT 262 Occupational Relations (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

**HORTICULTURE SERVICE
TECHNICIAN—CURRICULUM
(Landscape Construction and Maintenance)**

The Landscape Construction and Maintenance Program has for its objective the preparation of students for employment in the landscape, nursery, floral, greenhouse, and fruit and vegetable industries. This includes both the production, sales and service areas of these major fields. It stresses the design of landscapes, their interpretation and construction including costs, production of nursery plants, plant propagation, and landscape planting. Graduates of the horticulture program qualify for positions in nursery and floral establishments as well as in parks, grounds, maintenance, and highway departments. They may also enter the fields associated with plant propagation, nursery sales, greenhouse work and sales in the related fertilizer and insecticide fields.

FRESHMAN YEAR	1ST SEM.	2ND SEM.
Horticulture Laboratory HO 101-102	5	5
Communication Skills HO 111-112	3	3
Related Basic Mathematics HO 131-132	3	3
Related Basic Science HO 141-142	2	2
Horticulture Theory HO 151-152	5	5
	18	18

SOPHOMORE YEAR	1ST SEM.	2ND SEM.
Horticulture Laboratory HO 201-202	5	5
Related Science HO 241-242	3	3
Horticulture Theory HO 251-252	5	5
Occupational Relationships HO 262	2	—
Individual Project HO 271	—	3
Credits and Collections MM 213	—	2
Salesmanship MM 101	3	—
	17	17

COURSE OFFERINGS

HO — HORTICULTURE SERVICE TECHNICIAN

HO 101 Horticulture Laboratory (0-15-5). Applying the related theory and content to the solution of practical problems in horticulture. Specific areas of application to include exploring occupational opportunities; identification of plants by the use of descriptive terms; identification of annual and perennial flowering plants; use of scientific names; classifications and botanical structures of plants, climatic and other factors limiting growth; plant propagation, greenhouse, flower, and plant production.

HO 102 Horticulture Laboratory (0-15-5). Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include soils and soil amendments; construction of growing containers and houses; arrangements, implementation of entire greenhouse operation and bedding plant production; the use of insecticides; pesticides, etc., and precautions necessary during use.

HO 111, 112 Communication Skills (3-0-3) (F/S). Objective: to enable students to use language effectively as a tool for logical thinking, problem solving, technical writing and speaking required in their major field of training.

HO 131-132 Related Basic Mathematics (3-0-3). First semester—developing comprehension of the basic principles of mathematics. Specific areas include addition, subtraction, multiplication, division, fractions, denominators, square root, mensuration. Second semester—developing comprehension of the principles of related bookkeeping and accounting. Specific areas to be covered to include: income and expense accounts, general journal and ledger, sales and purchases, inventories, payroll, etc.

HO 141-142 Related Basic Science (2-0-2). First semester—developing comprehension of the scientific principles utilized in: plant identification, plant growth and development, limiting factors, development which aid plant propagation. Second semester—developing comprehension of the scientific principles utilized in: developments which aid plant propagation, construction materials, insecticides, pesticides, soils and fertility.

HO 151-152 Horticulture Theory (7-0-5). First semester—developing comprehension, analysis and evaluation of: introduction into the field of horticulture, plant classification and growth, climate and other growth limiting factors, soil and soil amendments. Second semester—developing comprehension, analysis and evaluation of: plant propagation: growing containers; insect and disease control; and pesticide application.

HO 201 Horticulture Laboratory (0-15-5). 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, turf grass installation, and identification of trees and shrubs.

HO 202 Horticulture Laboratory (0-15-5). Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include preparing landscape drawings, commercial, residential, park, Japanese gardens, turf grass installation and maintenance.

HO 241 Related Science (2-0-2). Developing comprehension of the scientific principles utilized in: plant growing and materials of construction.

VOCATIONAL-TECHNICAL SCHOOL

HO 242 Related Science (2-0-2). Developing comprehension of the scientific principles utilized in: power equipment, lawn and shrub maintenance, and plant wounds, basic first aid.

HO 251 Horticulture Theory (0-7-5). Landscape maintenance. Plant identification and uses. Landscape design, turf management, and shade tree identification and installation.

HO 252 Horticulture Theory (0-7-5). Horticulture power machines and maintenance of tillers, mowers, shredders, construction design, nursery production, and garden center management.

HO 262 Occupational Relations (2-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

HO 271 Individual Projects (5-0-3). 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

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101, 102	3	3
Introduction to Business GB 101	3	—
Salesmanship MM 101	3	—
Clothing and the Individual HE 107	—	2
Textiles HE 109	—	3
Elements of Management MM 105	—	3
Intro Financial Accounting AC 205	—	3
Mid-Management Practicum MM 100	—	2
Elective	2	—
	17	16

	1ST SEM.	2ND SEM.
SOPHOMORE YEAR:		
Consumer Marketing MM 201	3	—
Fashion Analysis and Design HE 111	2	—
Fundamentals of Speech Comm. CM 111	3	—
Retail Buying MM 215	3	—
Mid-Management Practicum MM 100	2	2
Report Writing MM 209	3	—
Principles of Retailing MM 202	—	3
Principles of Advertising MM 203	—	3
Supervision of Personnel MM 206	—	3
Elective	—	5
	16	16

MARKETING MID-MANAGEMENT

	1ST SEM.	2ND SEM.
FRESHMAN YEAR:		
English Composition E 101, 102	3	3
Introduction to Business GB 101	3	—
Business Mathematics/Machines OA 115	—	3
Salesmanship MM 101	3	—
Intro Financial Accounting AC 205	—	3
Merchandise Analysis MM 102	—	3
Mid-Management Practicum MM 100	2	2
Elements of Management MM 105	3	—
Fundamentals of Speech Comm. CM 111	3	—
Elective	—	2
	17	16

	1ST SEM.	2ND SEM.
SOPHOMORE YEAR:		
Consumer Marketing MM 201	3	—
Principles of Retailing MM 202	—	3
Principles of Macroeconomics EC 201	3	—
Principles of Advertising MM 203	—	3
Report Writing MM 209	3	—
Supervision of Personnel MM 206	—	3
Retail Buying MM 215	3	—
Credit and Collections M 213	—	2
Mid-Management Practicum MM 100	2	2
Electives	2	3
	16	16

COURSES

MM — MARKETING, MID-MANAGEMENT

Course offerings are described in Part V.

OFFICE OCCUPATIONS

The Office Occupations Program is designed to prepare an individual to perform all of the duties that might be expected of an entry-level office employee in a typical, modern business office.

The Program is designed to prepare students for employment in office work whether in private business, federal, state, or local government, in the three major areas of office work: clerk-typist, clerk-general office, or secretary.

The clerk-typist program will prepare students for such job positions as: file clerk, stock clerk, billing clerk, receptionist, clerk typist, word-processing typist.

Students in the clerk-general office program will be prepared for such job positions as those listed under clerk typist and in addition, accounts receivable clerk, accounts payable clerk, payroll clerk, and full-charge bookkeeper.

The secretary program prepares a student for such job positions as: word processor, stenographer, beginning secretary, as well as all those positions listed under clerk-general office.

The student may choose one of the three major areas of preparation for his/her goal. At the completion of the program the student may qualify for the most difficult occupation in the area or for one or more of the occupations listed. A Certificate of Achievement is issued upon successful completion of this program.

Classroom work includes instruction in typewriting, shorthand, business communications, business mathematics and machines, word processing, filing, accounts receivable, accounts payable, bookkeeping, payroll accounting, office practice, vocabulary and spelling, employment search. There are various levels of these courses available. The course curriculum is selected to meet the requirements of the individual's goals and abilities.

APPRENTICESHIP AND TRADE EXTENSION

Through cooperative arrangements with the State Board for Vocational Education, Boise State University School of Vocational Technical Education sponsors a wide range of trade extension programs for beginning, apprentice, and journeyman workers. Such courses are designed to meet the specific needs of industry, labor, agriculture, and government. Classes usually meet in the evening. Flexibility of scheduling, content, place of meeting is maintained in order to meet the growing educational needs of the community. Typically, through not invariably, such courses provide related technical education for those workmen receiving on-the-job instruction in such vocations as sheetmetal, carpentry, plumbing, welding, electricity, electronics, typing, automotives, nursing, and farming.

Information concerning admission requirements, costs, dates, etc., may be obtained from Boise State University School of Vocational Technical Education. Phone: (208)385-1974.

PRE-VOCATIONAL

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 14253A2).

A special guided studies program for adults has been developed to help upgrade skills, to help adults prepare for better jobs and to prepare for further vocational training.

HIGH SCHOOL EQUIVALENCY (GED PREPARATION — No Credit)

The High School Equivalency Program is designed for people who are performing below a twelfth grade academic level. This program is designed to help students prepare for the high school Equivalency Test (GED).

BOISE STATE FULL-TIME FACULTY

January, 1981

(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.
- H. DUANE AKROYD, *Associate Professor; Director of Radiologic Technology*.....(1976)
B.S., Medical College of Georgia; M.S., State University of New York at Buffalo.
- JOHN W. ALLEN, *Professor of Physics*.....(1971)
B.A., Willamette University; M.A., Ph.D., Harvard University.
- ROBERT L. ALLEN, *Instructor in Industrial Mechanics*... (1976)
Certificate B.A., Boise State University.
- ROGER H. ALLEN, *Professor of Real Estate*.....(1966)
A.A., Boise Junior College; B.S., University of Nevada; M.B.A., Northwestern University.
- ROBERT M. ANDERSON, *Associate Professor of Mathematics*.....(1970)
B.S., Utah State University; Ph.D., Michigan State University.
- GARY D. ARAMBARRI, *Department Head, Heavy Technologies, Instructor in Welding*.....(1976)
Shop Ironworker Apprenticeship, Gate City Steel; Shop Superintendent, Gate City Steel, Pocatello.
- LONNY J. ASHWORTH, *Assistant Professor of Respiratory Therapy, Director, Respiratory Therapy Program*.....(1977)
B.S., Boise State University.
- E. BARRY ASMUS, *Professor of Economics*.....(1971)
B.S., M.S., Colorado State University; Ph.D., Montana State University.

B

- KENNETH D. BAHN, *Assistant Professor of Marketing*... (1978)
B.S., M.S., California State University.
- CHARLES W. BAKER, *Professor of Biology*.....(1968)
B.S., M.S., University of Nevada; Ph.D., Oregon State University.
- ELIZABETH BAKER, *Assistant Professor of Nursing*.....(1980)
B.A., Colby College; M.N., Yale University; M.S., University of California.
- RICHARD BAKER, *Associate Professor of Sociology*.....(1973)
B.A., M.A., University of Wyoming; Ph.D., Washington State University.
- JOSEPH A. BALDASSARRE, *Assistant Professor of Music*.....(1975)
B.M.E., Baldwin Wallace College.
- RONALD M. BALDNER, *Instructor in Welding*.....(1978)
B.S., University of Idaho.
- DAVID A. BALDWIN, *Curriculum Librarian; Assistant Professor of Library Science*.....(1977)
B.A., Upper Iowa College; M.A., University of Iowa.
- JOHN B. BALDWIN, *Professor of Music*.....(1971)
B.M.E., M.M.E., Wichita State University; Ph.D., Michigan State University.
- RICHARD N. BALL, *Associate Professor of Mathematics* (1974)
B.A., University of Colorado; M.A., Ph.D., University of Wisconsin.
- RICHARD C. BANKS, *Professor of Chemistry*.....(1968)
B.S., College of Idaho; Ph.D., Oregon State University.
- GWYNN BARRETT, *Professor of History*.....(1968)
B.S., Utah State University; M.A., University of Hawaii; Ph.D., Brigham Young University.

- WYLLA BARSNESS, *Professor of Psychology*.....(1968)
A.B., William Jewell College; M.S., Montana State University; Ph.D., University of Minnesota.
- ROBERT P. BEHLING, *Associate Professor of Accounting and Data Processing*.....(1974)
B.A., Colgate University; M.Ed., University of Portland; M.B.A., Boise State University; Ph.D., University of Northern Colorado.
- JOHN L. BEITIA, *Professor of Education*.....(1970)
A.A., Boise Junior College; B.S., North Dakota State College; M.A., Idaho State University; Ed.D., Utah State University.
- ELMO B. BENSON, *Assistant Professor of Art*.....(1975)
B.S., University of Idaho; M.S.Sci.Ed., University of Utah; Ed.D., University of Idaho.
- ELTON BENTLEY, *Assistant Professor of Geology/Geophysics*.....(1980)
B.A., University of Montana; M.A., Ph.D., University of Oregon.
- JOHN H. BEST, *Professor of Music*.....(1947)
B.S., University of Idaho; M.S., Colorado State College of Education; Cello Pupil of Elias Trustman and Joseph Wetzels; Composition and Theory Pupil of J. DeForest Cline and Henry Trustman Ginsburg; Suzuki Institute of Toho School, Japan.
- JOHN PATRICK BIETER, *Professor of Education*.....(1969)
B.A., St. Thomas College; M.A., University of California at Berkeley; Ed.D., University of Idaho.
- DONALD B. BILLINGS, *Professor of Economics*.....(1972)
B.A., San Diego State College; M.A., Ph.D., University of Oregon.
- JAMES C. BLANKENSHIP, *Assistant Professor of Art*... (1977)
B.S., Utah State University; M.A., Brigham Young University; M.F.A., Otis Art Institute.
- ANTHONY J. BOHNER, *Assistant Professor of Management*.....(1974)
B.A., Northwest Nazarene College; J.D., Willamette University.
- ROBERT R. BOREN, *Professor of Communication; Chairman, Department of Communication*.....(1971)
B.A., M.A., Brigham Young University; Ph.D., Purdue.
- KAREN J. BOUNDS, *Associate Professor of Business*... (1973)
B.S.Ed., University of Alabama; M.Ed., University of North Carolina; Ed.D., North Texas State University.
- NANCY C. BOWERS, *Instructor in Practical Nursing*.....(1975)
Diploma, St. Joseph's Hospital School of Nursing; University of Arizona.
- BILL C. BOWMAN, *Professor of Physical Education*.....(1969)
B.A., Southern Idaho College of Education; M.Ed., University of Oregon; Ed.D., Brigham Young University.
- CLAIR BOWMAN, *Associate Professor of Teacher Education*.....(1976)
B.S., Indiana University; M.A., University of Colorado; Ed.D., Indiana University.
- PHYLLIS E. BOWMAN, *Assistant Professor of Physical Education*.....(1970)
A.A., Weber State; B.S., Utah State University; M.A., Brigham Young University.
- DALE BOYER, *Professor of English*.....(1968)
B.A., M.A., University of Oregon; Ph.D., University of Missouri.

FACULTY

- RICHARD F. BOYLAN, *Associate Professor of Communication*(1971)
B.A., University of Arizona; M.A., Ph.D., University of Iowa.
- JEAN BOYLES, *Assistant Professor of Physical Education*.....(1949-57, 1962, 1969)
A.B., University of California; M.S., University of Colorado.
- BRYCE T. BRADLEY, *Assistant Professor of Accounting*.(1970)
B.S., Idaho State University; M.B.A., University of Utah, C.P.A., Golden Gate University, Ph.D. University of Nebraska.
- J. WALLIS BRATT, *Associate Professor of Music*.....(1970)
B.M. University of Idaho; M.M., University of Utah.
- SUSAN I. BRENDER, *Professor of Office Administration*.(1969)
B.S.C., M.A., Ph.D., University of Iowa.
- ALAN P. BRINTON, *Associate Professor of Philosophy*..(1975)
B.A., Eastern Nazarene College; Ph.D., University of Minnesota.
- THEODORE BROWNFIELD, *Instructor in Diesel Mechanics*.....(1979)
- CORWIN LEE BROWN, *Instructor in Food Service*.....(1978)
Certificate, Boise State College.
- TIMOTHY A. BROWN, *University Librarian; Associate Professor of Library Science*.....(1977)
B.A., St. Paul Seminary; M.S., University of Illinois; University of Utah.
- CYNTHIA BROWNSMITH, *Assistant Professor of Teacher Education*.....(1978)
B.A., M.A., Texas Tech University; Ph.D., Indiana University.
- BRENDA BRUNO, *Assistant Professor of English*.....(1980)
B.S., M.A., Northern Arizona University; Ph.D., Arizona State University.
- PETER BUHLER, *Associate Professor of History*.....(1980)
B.A., M.A., California State University, Los Angeles; Ph.D., University of California, San Diego.
- RICHARD E. BULLINGTON, *Professor of Education; Executive Vice-President*.....(1968)
B.S., Rutgers, M.A., Ed.D., University of Alabama.
- RALPH L. BURKEY, *Instructor in Drafting*.....(1976)
- ORVIS C. BURMASTER, *Assistant Professor of English*..(1968)
B.S., Montana State College; M.A., University of Montana; South Dakota State College; Utah State College.
- MARILYN BUTLER, *Instructor in Business Education & Office Administration*.....(1977)
B.B.A., M.A., Boise State University.
- SHERMAN BUTTON, *Professor of Physical Education*....(1976)
B.A., M.A., Eastern Washington State College; Ph.D., University of Utah.
- C**
- MAXIMO J. CALLAO, *Professor of Psychology; Counselor*.....(1971)
B.A., San Jose State College; M.S.Ed., Ph.D., Purdue University, University of Hawaii.
- ERMA M. CALLIES, *Instructor, Vocational Counselor, Department head, counseling*.....(1969)
B.S., South Dakota State University, M.Ed., University of Idaho.
- LYLE CAMPBELL, *Instructor in Auto Mechanics*.....(1977)
B.S., Utah State University.
- R. RUSSELL CAMPBELL, *Associate Professor of Physics*.....(1970)
B.S., University of Washington; M.A., Ph.D., University of California, Irvine.
- JANET CARLTON, *Instructor of Business Education & Office Administration*.....(1977)
B.S., University of Idaho; M.A., Boise State University.
- CONNIE JO STEWART CARPENTER, *Assistant Professor of Nursing*.....(1979)
BSN, MS, Oklahoma University.
- WILLIAM J. CARSON, *Associate Professor of Accounting*.....(1963)
B.S., University of Notre Dame; M.B.A., University of Denver; University of Wyoming.
- LOREN S. CARTER, *Associate Professor of Chemistry*..(1970)
B.S., M.S., Oregon State University; Ph.D., Washington State University.
- JOHN A. CAYLOR, *Professor of History*.....(1965)
A.B., Nebraska Teacher's College; M.A., Ph.D., University of Nebraska.
- RUSSELL CENTANNI, *Associate Professor of Biology*... (1973)
B.S., M.S., John Carroll University; Ph.D., University of Montana.
- VICTOR CHACON, *Assistant Professor of Music*.....(1980)
B.Mus., M.Mus., University of Texas; University of Washington.
- FURLEY CHANDLER, *Instructor in Drafting*.....(1978)
- GARVIN CHASTAIN, *Assistant Professor of Psychology*..(1978)
B.B.A., Ph.D., University of Texas.
- WAYNE CHATTERTON, *Professor of English*.....(1968)
B.S., M.A., Brigham Young University; Ph.D., University of Utah.
- JAMES LEE CHRISTENSEN, *Associate Professor of Sociology*.....(1970)
B.S., Brigham Young University; M.A., University of Wyoming; Ph.D., University of Utah.
- MARVIN CLARK, *Professor of Business Education; Chairman, Department of Business Education & Office Administration*.....(1969)
B.S., St. Cloud State College; M.A., Ph.D., University of Minnesota.
- MICHAEL E. CLEVELAND, *Associate Professor of Music* (1970)
B.A., San Jose State College; M.M., D.M.A., University of Oregon.
- MARGARET A. COCOTIS, *Assistant Professor of English* (1968)
B.S., Portland State College; M.A., Reed College; Oregon State College.
- CONRAD COLBY, *Associate Professor of Health Sciences; Director, Respiratory Therapy Program*.....(1970)
B.A., M.A., University of Montana.
- DORAN L. CONNOR, *Assistant Professor of Physical Education*.....(1969)
B.A., Idaho State University; M.S., Utah State University.
- A. ROBERT CORBIN, *Assistant Professor of Sociology*..(1967)
B.A., Blackburn College; M.A., University of Washington; Th.M., Iliff School of Theology.
- ROBERT C. CORNWELL, *Professor of Business Education*.....(1969)
B.A., Wartburg College; M.A., Colorado State College; Ed.D., Arizona State University.
- BILLIE DON COX, *Associate Professor of Accounting and Data Processing*.....(1978)
B.B.A., M.B.A., Baylor University; Ph.D., University of Missouri.
- T. VIRGINIA COX, *Assistant Professor of Anthropology*..(1967)
B.A., San Diego State College; M.A., University of California at Davis; Ph.D., University of Georgia.
- VERL. M. COX, *Associate Professor of Communication*..(1977)
B.A., Idaho State University; M.A., Texas Christian University; Ph.D., University of Kansas.
- DAVID E. CRANE, *Head Catalog Librarian, Associate Associate Professor*.....(1969)
B.A., California State University at San Francisco; M.A., California State University at San Jose.
- G. DAWN CRANER, *Assistant Professor of Communication*.....(1975)
B.A., Utah State University; M.A., Purdue University.

ELIZABETH M. CURTIS, *Instructor in Surgical Technology*.....(1972)
Diploma, Kansas City General Hospital, School of Nursing. B.S.Ed., University of Idaho.

D

E. JOHN DAHLBERG, JR., *Professor of Teacher Education*.....(1970)
B.A., Pacific Lutheran University; M.A., Lewis & Clark College, Portland; Ed.D., University of Oregon.

NORMAN F. DAHM, *Professor of Engineering*.....(1953)
B.S., M.Ed., University of Colorado; Agricultural and Mechanical College of Texas; University of Washington; Bucknell University.

MARY DALLAS, *Instructor in Practical Nursing*.....(1976)
B.S., Oregon State University; R.N. University of Oregon.

JACK L. DALTON, *Professor of Chemistry; Chairman, Department of Chemistry*.....(1958)
B.S., Nebraska State Teachers College; M.S., Kansas State University of Agriculture and Applied Science; Kansas State College, Oregon State University.

CHARLES GEORGE DAVIS, *Professor of English; Chairman, Department of English*.....(1963)
B.A., Middlebury College; M.A., University of California, Berkeley; Ph.D., University of North Carolina.

JAMES B. DEMOUX, *Associate Professor of Communications*.....(1971)
B.A., Brigham Young University; M.A., University of Montana; Ph.D., University of Colorado.

JERRY P. DODSON, *Professor of Psychology*.....(1970)
B.A., Ball State University; M.S., Ph.D., Purdue.

ROBERT B. DODSON, *Instructor in Electronics*.....(1979)
B.S.E.E., Seattle University.

PAUL DONALDSON, *Associate Professor of Geophysics*.(1975)
Stanford University, B.S., University of Utah; Ph.D., Colorado School of Mines.

DENNIS DONOGHUE, *Professor of Political Science*.....(1973)
B.S., M.A., Central Michigan University; Ph.D., Miami University.

PATRICIA M. DORMAN, *Professor of Sociology*.....(1967)
B.S., M.S., Ph.D., University of Utah.

JAMES G. DOSS, *Associate Professor of Management; Associate Dean; MBA Program Coordinator*.....(1970)
B.S., University of California; M.S., The George Washington University; Ph.D., University of Utah.

JAMES D. DOUGLASS, Jr., *Associate Professor of Art*.....(1972)
B.S., Western Michigan University; M.F.A., Cranbrook Academy of Art.

RICHARD R. DOWNS, *Associate Professor of Psychology*.....(1975)
B.S., Pacific University; M.A., Ed.D., Ball State.

GERALD F. DRAAYER, *Associate Professor of Economics; Director, Center for Economic Education*.....(1976)
B.A., Cavin College; M.A., Fairleigh Dickinson University; M.A., Purdue University; Ph.D., Ohio University.

VICTOR H. DUKE, *Professor of Pharmacology & Health Sciences; Dean, School of Health Science*.....(1972)
B.S. (Zool.), B.S. (Pharm.), Idaho State College; Ph.D., University of Utah.

E

ELDON H. EDMUNDSON, *Associate Professor, Chairman, Dept. of Community and Environmental Health*.....(1979)
B.S., M.S., University of Idaho, Oregon State University; Ph.D., Washington State University.

PHILLIP M. EASTMAN, *Associate Professor of Mathematics*.....(1977)
B.S., M.S.T., Wisconsin State University; M.A., University of Illinois; Ph.D., University of Texas.

BARBARA ENO, *Instructor in Nursing*.....(1980)
B.S.N., University of Oregon.

WILBER D. ELLIOTT, *Professor of Music; Chairman, Department of Music*.....(1969)
B.A., University of Washington; M.E., Central Washington.

ROBERT W. ELLIS, *Professor of Chemistry*.....(1971)
B.S., College of Idaho; M.S., Ph.D., Oregon State University.

ROBERT EDWARD ERICSON, *Associate Professor of Theatre Arts*.....(1970)
B.S., Pacific University; M.A., Indiana University; Ph.D., University of Oregon.

STUART D. EVETT, *Assistant Professor of English*.....(1972)
B.A., University of the South (Sewanee); M.A., Vanderbilt University.

F

GENGER A. FAHLESON, *Assistant Professor of Physical Education*.....(1974)
B.S., University of Nebraska — Lincoln; M.Ed., Bowling Green State University.

RITA FARNHAM, *Associate Professor of Nursing*.....(1980)
B.S.N., Georgetown University; M.A., Fairfield University; M.S., University of Colorado; D.N.Sc. Boston University.

JAMES D. FELTON, *Instructor in Water/Wastewater*.....(1978)
Certificate, Linn-Benton Community College.

DAVID JOHN FERGUSON, *Associate Professor of Mathematics*.....(1970)
B.S., Ph.D., University of Idaho.

DENNIS B. FITZPATRICK, *Associate Professor of Finance*.....(1972)
B.S., University of Colorado; M.B.A., University of Santa Clara; D.B.A., University of Colorado.

NANCY L. FLEMING, *Associate Professor of Nursing*....(1963)
B.S.N., University of Nebraska College of Medicine; M.S.N., Montana State University.

ALLAN WALKER FLETCHER, *Associate Professor of History*.....(1970)
B.S., Louisiana State University; M.A., Ph.D., University of Washington.

CAROL FOUNTAIN, *Associate Professor of Nursing*.....(1967)
A.S., Boise Junior College; B.S.N., University of Washington; M.N., Montana State University.

ROY F. FOX, *Assistant Professor of English, Coordinator of Composition*.....(1978)
B.S., M.S., Ph.D., University of Missouri, Columbia.

E. COSTON FREDERICK, *Professor of Education*.....(1971)
B.S. Ed., Indiana State Teacher's College; M.Ed., Temple University; Ph.D., Syracuse University.

JUDITH FRENCH, *Assistant Professor of Education*.....(1976)
B.A., M.A., University of Northern Colorado; Ph.D., Florida State University.

ROBERT L. FRIEDLI, *Professor of Education*.....(1972)
B.S., M.Ed., Utah State University; Ph.D., University of Utah.

HARRY K. FRITCHMAN, II, *Professor of Zoology*.....(1954)
A.A., Boise Junior College; B.A., M.A., Ph.D., University of California at Berkeley.

EUGENE G. FULLER, *Professor of Zoology*.....(1967)
B.S., M.S., University of Nevada; Ph.D., Oregon State University.

EUGENE I. FURUYAMA, *Associate Professor of Mathematics*.....(1972)
B.A., Northwest Nazarene College; M.A., Ph.D., Washington State University.

FACULTY

G

- MARVIN GABERT, *Assistant Professor of Construction Management*(1979)
 B.S., University of Idaho; M.A., Stanford University.
- CHARLOTTE B. GALE, *Professor of Nursing*(1976)
 B.S., Douglass College; M.A., New York University; Ed.D., Stanford University.
- LYMAN GALLUP, *Assistant Professor of Management & Finance*(1977)
 B.A., University of Montana; M.B.A., Arizona State University, Ph.D., University of Oregon.
- NORMAN D. GARDNER, *Associate Professor of Finance* (1974)
 B.A., M.B.A., Brigham Young University; Ph.D., University of Utah.
- GUSTAV GLASSEN, *Instructor in Machine Shop*(1979)
 State University of New York; Certificates in Electronics Manufacturing Methods, Numerical Control Programming; U.S.A.A.F. Technical, Denver, Colorado; Certificate: Armament Specialist.
- GEORGE GOLDMAN, *Assistant Professor of Mathematics*(1980)
 B.S., M.S., Latvian State University, Riga, Latvia; Ph.D. Educational Sciences University, Riga, Latvia; Ph.D., Riga Polytechnic Institute, Riga Latvia.
- SHARON GOLLICK, *Instructor in Surgical Technology* ... (1976)
 Diploma, Toledo Hospital.
- MARGARET GOURLEY, *Instructor in Child Care*(1977)
 B.A., College of Wooster, Ohio.
- FRANCES E. GRIFFITH, *Instructor in Horticulture*(1971)
 Lewiston Business College; College of Southern Idaho; Lewis-Clark State College; Boise State University.
- DAVID GROEBNER, *Associate Professor of Management*(1973)
 B.S., University of Minnesota; M.E.A., Ph.D., University of Utah.

H

- DON P. HAACKE, *Assistant Professor; Maps and Special Collections Librarian*(1971)
 B.A., M.L.S., University of Washington; Brigham Young University; Weber State College.
- JAMES E. HADDEN, *Assistant Professor of English*(1972)
 B.A., Rhode Island College; M.A., University of Washington.
- CLAYTON W. HAHN, *Associate Professor of Engineering*(1948-52, 1963)
 B.S. (M.E.), University of Colorado; University of Montana; Montana State College; University of California at Los Angeles; University of Southern California; University of Nebraska.
- LEE HALL, *Instructor in Auto Mechanics*(1979)
- PATRICIA HALL, *Assistant Professor of Management and Finance*(1980)
 B.S., University of Wisconsin; M.B.A., University of Chicago; Ph.D., University of Washington.
- BENJAMIN HAMBELTON, *Assistant Professor, Director of Educational Media Services*(1975)
 B.S., Boise State University; M.Ed., Utah State University.
- MARK HANSEN, *Assistant Professor of English*(1969)
 B.A., M.A., San Francisco State College.
- RALPH W. HANSEN, *Associate University Librarian; Associate Professor*(1979)
 A.B., M.A., Brigham Young University; M.L.S., University of California at Berkeley.
- RICHARD F. HARDYMAN, *Associate Professor of Geology*(1976)
 B.S., University of Wyoming; M.S., University of Minnesota; Ph.D., University of Nevada, Reno.

- BARBARA HART, *Instructor in Nursing*(1980)
 B.S.N., M.S., University of Colorado.
- RICHARD L. HART, *Professor of Education; Dean, School of Education*(1978)
 B.A., Nebraska Wesleyan University; Ed.M., Ed.D., University of Nebraska at Lincoln.
- CAROL D. HARVEY, *Professor of Sociology*(1970)
 B.S., University of Idaho; M.A., Ph.D., Washington State University.
- ALAN R. HAUSRATH, *Associate Professor of Mathematics*(1977)
 S.B., Massachusetts Institute of Technology; Ph.D., Brown University.
- DONALD V. HEALAS, *Dean, Vocational-Technical School, Professor of Industrial Technology*(1980)
 B.S., H.Ed., Ed.D., Wayne State University; Cleveland State University.
- FELIX ARNOLD HEAP, *Associate Professor of Art*(1978)
 B.A., University of Dayton; M.A., Ph.D., University of Dayton; M.A., Ph.D., University of Minnesota.
- FRANK K. HEISE, *Assistant Professor of Theatre Arts* ..(1971)
 B.S., Wisconsin State University; M.A., University of South Dakota.
- R. GAIL HEIST, *Assistant Professor of Real Estate*(1975)
 A.A., Boise Junior College; B.S., University of Utah; M.B.A., Boise State University.
- JAMES R. HEMINGWAY, *Associate Professor of Accounting & Data Processing*(1977)
 B.S., M.B.A., Texas Christian University; M.A., University of Pennsylvania; Ph.D., N. Texas State University.
- WILLIAM GEORGE HESS, *Associate Professor of Education*(1978)
 B.A., Fresno State College; M.A., Ph.D., University of Iowa.
- ROBERT A. HIBBS, *Professor of Chemistry*(1965)
 B.S., M.S., University of Florida; Ph.D., Washington State University.
- KENNETH L. HILL, *Professor of Education*(1968)
 B.S., Illinois State University; M.A., College of Idaho; Oregon State University; Ed.D. University of Idaho.
- LAVAR K. HOFF, *Instructor in Food Service Technology* (1969)
 B.S., Utah State University.
- JOHN DOUGLAS HOGE, *Assistant Professor of Education*(1980)
 B.S., M.S., Ph.D., Florida State University.
- KENNETH M. HOLLENBAUGH, *Professor of Geology; Dean of Graduate School, Associate Executive Vice President, Director, Center for Research, Grants and Contracts*(1968)
 B.S., Bowling Green State University; M.S., Ph.D., University of Idaho.
- DONALD HOLLEY, *Professor of Economics*(1973)
 B.A., Brigham Young University; M.A., University of Oregon; Ph.D., University of California at Riverside.
- GAYE HOOPES, *Instructor in Art*(1978)
 A.A., Boise Junior College.
- THEODORE HOPFENBECK, *Associate Professor of Criminal Justice*(1967)
 B.S., M.Ed., University of Arizona.
- JAMES W. HOPPER, *Associate Professor of Music*(1970)
 B.S., Julliard School; M.A., State University of Iowa; Washington State University.
- MADELINE HSU, *Associate Professor of Music*(1971)
 B.M., M.S., The Julliard School; H.Doc. in Performing Arts, Sheffield, England.
- DAN D. HUFF, *Associate Professor of Social Work*(1970)
 B.A., Washburn University; M.S.W., Kansas University.

FACULTY

- HOWARD L. HUFF, *Professor of Art*.....(1965)
Diploma, Boise Junior College; B.A., College of Idaho;
M.F.A., University of Idaho.
- ROBERT B. HUGHES, *Professor of Mathematics*.....(1971)
B.A., University of California, Riverside; M.A., University
of California at Berkeley; Ph.D., University of California,
Riverside.
- GUY LAMONT HUNT, *Associate Professor of Education;*
Dean of Admissions and Records.....(1970)
B.S.Ed., Eastern Oregon College; M.S.Ed., Eastern
Oregon College; Ph.D., Arizona State University.
- DARRYL HUSKEY, *Associate Professor, Government*
Publications Librarian.....(1968)
B.S., Brigham Young University; M.L., Kansas State
Teachers College.
- KENNETH ALBERT HYDE, *Assistant Professor of Education;*
Media Graphics Specialist.....(1979)
B.S., University of Maine at Portland; M.Ed., Utah State
University.

- BONNIE IMBS, *Instructor in Dental Assisting*.....(1976)
Diploma, Boise State University; State University of New
York.
- GAIL ISON, *Professor of Psychology*.....(1970)
B.S., Idaho State University; M.A., Brigham Young Univer-
sity; Ph.D., University of Oregon.

- WILLIAM K. JACKSON, *Associate Professor of Accounting*
& Data Processing.....(1977)
B.S., M.B.A., Northern Illinois University; Ph.D., Universi-
ty of Northern Colorado.
- EDWARD JACOBY, *Assistant Professor of Physical*
Education; Head Track Coach.....(1973)
B.S., University of Idaho; M.S., University of Northern
Colorado.
- JAMES R. JENSEN, *Clinical Coordinator/Associate*
Professor of Respiratory Therapy.....(1977)
A.B., Brigham Young University; A.M., Ph.D., Indiana
University.
- JOHN H. JENSEN, *Professor of Education; Chairman,*
Department of Teacher Education and Library
Science.....(1969)
B.A., Western Michigan University; M.S., Ph.D., University
of Oregon.
- GEORGE JOCUMS, *Professor of Foreign Language*.....(1973)
A.B., A.M., Duquesne University; Ph.D., University of
Michigan.
- DAVID JOHNSON, *Assistant Professor of Social Work*....(1980)
B.A., Boise State University; M.S.W., Rutgers The State
University.
- DIANE JOHNSON, *Assistant Professor of*
Nursing.....(1979)
B.S., Seattle University; M.S., Montana State University.
- GERALDINE JOHNSON, *Instructor in Home Economics*:(1976)
B.A., Northwestern Nazarene; M.S., University of Idaho.
- DONALD S. JONES, *Instructor of Business Machinery*
Technology.....(1970)
Service Schools of Smith Corona, Olivetti Underwood,
Olympia Electric, Glidden Paint Sales, Sharp Electronics
School.
- LEO E. JONES, *Professor of Biology*.....(1972)
B.A., Chico State College; Ph.D., Oregon State University.
- JERRY C. JOSE, *Associate Professor of Foreign*
Language.....(1976)
B.A., M.A., University of Oregon; Ph.D., University of
Washington.

- ROBERT C. JUOLA, *Professor of Mathematics*.....(1970)
B.S., University of Oregon; M.S., Ph.D., Michigan State
University.

K

- JOHN H. KEISER, *Professor of History, President*.....(1978)
B.S.Ed., Eastern Illinois University; M.A., Ph.D., Nor-
thwestern University.
- FENTON C. KELLEY, *Associate Professor of Zoology*... (1969)
B.S., M.S., University of New Mexico; Ph.D., University of
California at Berkeley.
- G. OTIS KENNY, *Associate Professor of Mathematics*... (1976)
A.B., Earlham College; M.A., Ph.D., University of Kansas.
- WILLIAM KEPPLER, *Professor of Biology; Dean, School*
of Arts and Sciences.....(1977)
B.S., University of Miami; M.S., Ph.D., University of Il-
linois.
- CHARLES R. KERR, *Professor, Chairman, Department of*
Mathematics.....(1969)
B.A., Washington State University; M.A., Ph.D., University
of British Columbia.
- URSULA KETTLEWELL, *Assistant Professor of*
Management & Finance.....(1979)
B.A., University of California at Berkeley; J.D. University
of Idaho.
- JOHN H. KILLMASTER, *Professor of Art*.....(1970)
B.A., Hope College; M.F.A., Cranbrook Academy of Art;
Universidad de Guana Juato, Mexico; Northern Michigan
University; Michigan State University.
- JAY ADLER KING, *Assistant Professor of English*.....(1975)
B.S., Claremont Men's College; M.A., New York Univer-
sity.
- LOUIS J. KING, *Instructor in Auto Mechanics*.....(1972)
- RICHARD S. KINNEY, *Instructor in Political Science*.....(1975)
B.A., M.A., University of Notre Dame.
- HOWARD J. KINSLINGER, *Associate Professor of*
Management.....(1975)
B.S., Brandeis University; M.B.A., City College of New
York; Ph.D., Purdue University.
- WILLIAM F. KIRTLAND, *Professor of Education*.....(1969)
Director of Reading Center; B.S., M.A., Bemidji State Col-
lege; Ed.D., Arizona State University.
- LEO L. KNOWLTON, *Professor of Marketing*.....(1965)
B.S., M.S., University of Idaho; University of Oregon.
- ALFRED KOBER, *Professor of Art*.....(1968)
B.S., M.S., Fort Hayes Kansas State College.
- THOMAS L. KRAKER, *Instructor of Allied Health*
Studies.....(1977)
B.S., Incarnate Word College.

L

- CARROLL LAMBERT, *Associate Professor of Early*
Childhood Education.....(1976)
B.S., M.S., Ed.D., Utah State University.
- ELLIS LAMBORN, *Professor of Economics*.....(1968)
B.S., Utah State University; M.S., University of Illinois;
Ph.D., Cornell University; University of California.
- MAX LAMBORN, *Instructor in Parts Counterperson; Chairman,*
Department of Mechanical Technologies.....(1972)
- DANIEL GOBLEIB LAMET, *Associate Professor of*
Mathematics, Associate Department Head,
Department of Mathematics.....(1970)
B.A., University of Michigan; M.A., Ph.D., University of
Oregon.
- RICHARD C. LANE, *Associate Professor of Marketing*... (1969)
B.S., M.S., Kansas State College; University of Missouri;
University of Idaho.

FACULTY

- WILLIAM LA RUE, *Instructor in Industrial Physics; Department Head, Specialized Subjects*.....(1969)
Philco Corp., N.A.S.A. Manned Space Program; Boeing Corporation; B.S., Boise State University.
- CHALRES E. LAUTERBACH, *Professor of Theatre Arts*..(1971)
B.A., M.A., University of Colorado; Ph.D., Michigan State University.
- GERALDINE LAWS, *Assistant Professor of Nursing*.....(1977)
B.S.N., Armstrong State, M.N., Medical College of Georgia.
- RICHARD V. LEAHY, *Assistant Professor of English*.....(1971)
B.S., University of San Francisco; M.A., University of Iowa; Ph.D., University of California, Davis.
- JOHN C. LEIGH, Jr., *Instructor in Drafting*.....(1971)
Los Angeles Junior College.
- RAY LEWIS, *Associate Professor of Physical Education* (1956)
B.S.(ed.), M.Ed., University of Idaho.
- PETER M. LICHTENSTEIN, *Associate Professor of Economics*.....(1975)
B.A., M.S., Union College; M.A., Ph.D., University of Colorado.
- DOUGLAS J. LINCOLN, *Associate Professor of Marketing*.....(1980)
B.S., State University of New York at Buffalo; M.B.A., Eastern Illinois University; Ph.D., Virginia Polytechnic Institute and State University.
- GLEN LINDER, *Instructor; Assistant Dean, School of Vocational-Technical Education*.....(1970)
B.S., University of Idaho.
- JOAN LINGENFELTER, *Instructor in Child Care, Department Chairperson, Service Occupations*.....(1973)
B.S., University of Idaho.
- ELAINE M. LONG, *Associate Professor of Home Economics, Acting Chairman, Department of Home Economics*..(1975)
B.S., California State Polytechnic University; M.S., Iowa State University.
- JAMES A. LONG, *Associate Professor of Biology*.....(1974)
A.A., Centerville Community College; B.S., Ph.D., Iowa State University.
- HUGH T. LOVIN, *Professor of History*.....(1965)
B.A., Idaho State College; M.A., Washington State University; Ph.D., University of Washington.
- ROBERT A. LUKE, *Professor of Physics*.....(1968)
Diploma, Ricks College; B.S., M.S., Ph.D., Utah State University.
- PHOEBE J. LUNDY, *Associate Professor of History*.....(1966)
B.S., M.S., Drake University.
- LAMONT S. LYONS, *Assistant Professor of Teacher Education & Library Science*.....(1977)
B.S., Brigham Young University; Ed.D., University of Massachusetts.
- M**
- F. RICHARD MABBUTT, *Instructor of Political Science*..(1977)
B.A., M.A., University of Kansas.
- HELEN MABBUTT, *Instructor in Adult Basic Education*..(1978)
B.A., (Ed.), Idaho State University; S.P.E.D., San Francisco State College.
- JEAN MacINNIS, *Instructor in Dental Assisting*.....(1962)
C.D.A., University of North Carolina; Boise Junior College; Idaho State University.
- DONALD R. MACKEN, *Instructor of Vocational-Technical Education*.....(1977)
B.S., Iowa State University; M.S., University of Tennessee.
- ALISTAIR R. MACMILLAN, *Associate Professor of Accounting*.....(1976)
B.S., M.B.A., University of Montana, Ph.D., University of Missouri-Columbia.
- JAMES MAGUIRE, *Associate Professor of English*.....(1970)
B.A., University of Colorado; M.A., Ph.D., Indiana University.
- CHERYL M. MAITLAND, *Instructor in Health Occupations*.....(1977)
- GILES MALOOF, *Professor of Mathematics*.....(1968)
B.A., University of California; M.A., University of Oregon; Ph.D., Oregon State University; San Bernardino Valley Junior College; University of California at Los Angeles.
- DARWIN W. MANSHIP, *Professor of Office Administration*.....(1970)
B.A., Northwest Nazarene College; M.S., Utah State University; Boise Junior College; University of Idaho; Ed.D., Brigham Young University.
- RUTH A. MARKS, *Professor of Teacher Education and Library Science*.....(1970)
B.A., Northwest Nazarene College; M.Ed., College of Idaho; Ed.D., University of Northern Colorado.
- ROBERT L. MARSH, *Associate Professor of Criminal Justice Administration*.....(1974)
B.S., Lamar University; M.A., Ph.D., Sam Houston State University.
- CAROL A. MARTIN, *Professor of English*.....(1972)
B.A., M.A., Ph.D., The Catholic University of America.
- CLYDE M. MARTIN, *Associate Professor of Teacher Education; Associate Dean, School of Education*....(1970)
B.A., Linfield College; M.A., University of Oregon; Ed.D., Oregon State University.
- EDWARD R. MATJEKA, *Associate Professor of Chemistry*.....(1976)
B.S., St. Mary's University; Ph.D., Iowa State University.
- CONSTANCE MATSON, *Associate Professor of Nursing* (1968)
B.S., University of Oregon; M.Ed., University of Idaho.
- EMERSON MAXON, *Associate Professor of Accounting and Data Processing, Associate Director, Center for Research, Grants and Contracts*.....(1968)
B.S., M.B.A., University of Colorado; D.B.A., Texas Technical University.
- KENNETH GARY McCAIN, *Associate Professor of Marketing*.....(1978)
B.A., M.B.A., Eastern Washington University; Ph.D., University of Oregon.
- RICHARD J. McCLOSKEY, *Associate Professor of Biology*.....(1976)
B.A., Franklin College of Indiana; M.S., Ph.D., Iowa State University.
- SUZANNE McCORKLE, *Assistant Professor of Communication*.....(1978)
B.S., M.A., Ball State University; Ph.D., University of Colorado at Boulder.
- JULIE D. McDONOUGH, *Instructor in Office Occupations*.....(1978)
Idaho State University
- SHARON A. McGUIRE, *Assistant Professor of English*..(1967)
B.A., University of Idaho; M.A., Washington State University.
- WILLIAM P. MECH, *Professor of Mathematics, Director of Honors Program*.....(1970)
B.A., Washington State University; M.S., Ph.D., University of Illinois.
- JOHN J. MEDLIN, *Associate Professor of Accounting*....(1970)
B.S., Idaho State University; M.B.A., University of Denver; C.P.A.
- GARY D. MERCER, *Associate Professor of Chemistry*....(1975)
B.S., University of Montana; M.S., Ph.D., Cornell University.
- C.M. MERZ, *Professor of Accounting*.....(1974)
B.M.E., Villanova University; M.B.A., California State College at Long Beach; D.B.A., University of Southern California; CPA, CMA.

- WANDA M. METZGAR, *Instructor in Office Occupations* .(1976)
- CARROLL J. MEYER, *Professor of Music* .(1948)
B.M., University of Michigan; Private study with Ethel Leginska and Cecile de Horvath; M.A., University of Iowa.
- CHARLES MIKESSELL, *Instructor in Auto Mechanics* .(1976)
- BEVERLY MILLER, *Associate Professor, Reference Librarian* .(1968)
B.A., Thiel College, Greenville, Pa., M.A., in Librarianship, University of Denver.
- GILBERT McDONALD MILLER, *Instructor, Vocational Education, Director of Curriculum and Instruction* .(1969)
Idaho State University, Certificate, Mid-West Motive Trades Institute.
- JEROLD R. MILLIER, *Assistant Professor of Accounting and Data Processing* .(1979)
B.S., B.B.A., Wichita State University; M.A., University of Arizona.
- JOHN W. MITCHELL, *Professor of Economics* .(1970)
B.A., Williams College; M.A., Ph.D., University of Oregon.
- GARY F. MONCRIEF, *Instructor in Political Science* .(1976)
B.A., University of California at Santa Barbara; M.A., University of Idaho.
- BRUCE F. MUNK, *Instructor of Radiologic Technology* .(1978)
B.S., Idaho State University.
- KENNETH MUNNS, *Assistant Professor of Teacher Education* .(1976)
B.S., University of Colorado, M.A., Boise State University; Ed.D., University of Idaho.
- THEODORE MUNSON, *Associate Professor of Business Law* .(1976)
B.S., U.S. Naval Academy; J.D., Cornell University Law School.
- ROBERT MURRAY, *Assistant Professor of Physical Education* .(1980)
B.S., M.Ed., Slippery Rock State College; Ph.D., Ohio State University.
- EARL NAUMAN, *Assistant Professor of Marketing* .(1980)
B.S., University of Oregon; M.B.A., Boise State University, Arizona State University.
- VIRGINIA NEHRING, *Associate Professor of Nursing; A.D. Nursing Program Director* .(1977)
B.S.N., University of Bridgeport; M.S.N., Yale University.
- ANNE MARIE NELSON, *Counselor, Associate Professor of Education* .(1967)
B.A., The College of Idaho; M.S., University of Oregon, Ohio University; M.A., Boise State University; Ph.D., University of Oregon.
- GARY R. NEWBY, *Professor of Physics; Chairman, Department of Physics, Engineering and Physical Science* .(1966)
B.S., Ph.D., Arizona State University.
- ROSS S. NICKERSON, *Assistant Professor of English* .(1969)
B.A., Boise College; M.A., University of Utah.
- DAVID E. NIX, *Associate Professor of Management* .(1974)
L.L.B., LaSalle Extension University; B.A., M.A., Western State College; Ph.D., Oklahoma State University.
- FREDERICK J. NORMAN, *Professor, Chairman Department of Theatre Arts* .(1980)
A.A., Boise Junior College; B.A., Arizona State University; M.A., Northern Colorado University.
- DONALD OAKES, *Associate Professor of Music; Associate Department Chairman* .(1966)
B.M., M.M., Northwestern University; College of Idaho; University of Oregon.
- F. DENIS OCHI, *Associate Professor of Art* .(1971)
B.A., M.A., M.F.A., University of California, Los Angeles.
- CHARLES M. ODAHL, *Associate Professor of History* .(1975)
B.A., M.A., California State University - Fresno; Ph.D., University of California, San Diego.
- JOHN T. OGDEN, *Instructor in Welding* .(1965)
Diploma, Boise Junior College; Navy Training School; Special Training and Experience in Welding.
- MAMIE O. OLIVER, *Associate Professor of Social Work* .(1972)
A.A., Los Angeles City College; B.A., California State University at Los Angeles; MSW, Fresno State University at Fresno, California; Ph.D., Washington State University.
- THOMAS OLSON, *Instructor in Applied Mathematics* .(1975)
A.A.S., Boise State University, B.S.Ed., University of Idaho.
- DAVID L. ORAVEZ, *Associate Professor of Art* .(1964)
B.S., M.S., M.F.A., University of Wisconsin, Summer School of Painting at Satutuck, Michigan.
- GLORIA J. OSTRANDER, *Assistant Professor; Monographs Librarian* .(1971)
B.A., Boise College; M.L.S., University of Washington.
- PATRICIA K. OURADA, *Professor of History* .(1962)
B.A., College of Saint Catherine; M.A., University of Colorado; Ph.D., University of Oklahoma; Laval University; University of Michigan; University of Minnesota; Marquette University.
- WILLARD M. OVERGAARD, *Professor of Political Science; Chairman, Department of Political Science* .(1972)
A.A., Boise Junior College; B.A., University of Oregon; M.A., University of Wisconsin; Ph.D., University of Minnesota; College of Idaho; University of Oslo, Norway.
- NELDON D. OYLER, *Instructor in Horticulture* .(1966)
A.A., Snow Colles; B.S., Brigham Young University.

P

- ARNOLD PANITCH, *Associate Professor of Social Work* .(1974)
B.S., Western Michigan University; M.S.W., Wayne State University.
- HERBERT D. PAPERFUSS, *Professor of Botany* .(1967)
B.S., University of Utah; M.S., Brigham Young University; Ph.D., Colorado State University.
- BEN L. PARKER, *Associate Professor of Communication* .(1977)
B.S., Southwest Texas State University; M.S., Ph.D., Southern Illinois University.
- DONALD J. PARKS, *Associate Professor of Physical Science and Engineering* .(1973)
B.S., Colorado State University; M.S., Ph.D., University of Minnesota.
- MAX G. PAVESIC, *Professor, Chairman Department of Sociology, Anthropology and Criminal Justice Administration* .(1974)
A.A., Los Angeles City College; B.A., University of California, Los Angeles; M.A., Ph.D., University of Colorado, Boulder.
- RICHARD D. PAYNE, *Professor of Economics; Chairman, Department of Economics* .(1970)
B.A., Utah State University; M.A., University of Southern California; Ph.D., University of Southern California.
- LOUIS A. PECK, *Professor of Art; Chairman, Department of Art* .(1955)
Boise Junior College; B.A., College of Idaho; University of California, Santa Barbara; M.S., Utah State University; Rex Brandt School of Art; Ed.D., University of Idaho.
- MARGARET PEEK, *Associate Professor of English* .(1969)
B.A., M.A., University of Alaska; Ph.D., University of Nebraska.
- JUNE R. PENNER, *Associate Professor of Nursing* .(1969)
B.A., M.A., University of Alaska; Ph.D., University of Nebraska.
- ELLIS RAY PETERSON, *Professor of Chemistry* .(1964)
B.S., M.S., Utah State University; Ph.D., Washington State University.

FACULTY

- RONALD PAUL PFEIFFER, *Instructor in Physical Education*.....(1980)
B.S., Central Michigan University; M.S., University of Oregon.
- CHARLES D. PHILLIPS, *Professor of Management*.....(1969)
A.B., DePauw University; M.A., Ph.D., University of Iowa.
- JOHN L. PHILLIPS, Jr., *Professor of Psychology; Chairman, Department of Psychology*.....(1954)
B.A., M.A., Reed College; Ph.D., University of Utah; University of Idaho; Beloit College; University of Washington; University of California at Berkeley.
- GORDON D. PIRRONG, *Associate Professor of Accounting and Data Processing, Department Chairman*.....(1978)
B.A., Boise State College; M.B.A., D.B.A., Arizona State University.
- C. HARVEY PITMAN, *Associate Professor of Communication*.....(1966)
B.A., College of Idaho; M.Ed., Washington State University.
- REX E. PROFIT, *Clinical Coordinator/Instructor in Radiologic Technology*.....(1977)
B.S., Ohio State University.
- HOWARD L. PUCKETT, *Associate Professor of Finance* (1976)
B.S., University of Michigan; M.B.A., Ph.D., Oklahoma State University.
- Q**
- CHARLES DENNIS QUINOWSKY, *Instructor, Vocational Counselor*.....(1970)
B.S.Ed., Southern Oregon College.
- R**
- DAVID W. RAYBORN, *Associate Professor of Communication*.....(1969)
B.A., Idaho State University; M.S., Southern Illinois University.
- GREGORY RAYMOND, *Associate Professor of Political Science*.....(1975)
B.A., Park College; M.A., Ph.D., University of South Carolina.
- GERALD R. REED, *Associate Professor of Education, Coordinator of Grants & Contracts*.....(1967)
B.S., University of Wyoming; M.Ed., University of Idaho; Ed.D., Washington State University.
- RICHARD J. REIMANN, *Associate Professor of Physics* (1974)
B.S., South Dakota School of Mines and Technology; M.S., Ph.D., University of Washington.
- R. LARRY REYNOLDS, *Assistant Professor of Economics*.....(1979)
B.S., M.A., Eastern New Mexico University; Ph.D., Washington State University.
- ANDREW RIBNER, *Assistant Professor, Reference Librarian, Cataloger*.....(1980)
B.A., University of Chicago; M.L.S., University of California, Berkeley.
- CAROL RINNERT, *Assistant Professor of English*.....(1974)
B.A., Occidental College; Ph.D., State University of New York.
- GEORGE F. ROBERTS, *Associate Professor of Art*.....(1970)
B.A., San Diego State College; M.A., M.F.A., University of Iowa.
- JOHN B. ROBERTSON, *Associate Professor of Foreign Languages; Chairman, Department of Foreign Languages and Literature*.....(1974)
B.A., Idaho State University; M.A., Ph.D., University of Arizona.
- ELAINE ROCKNE, *Instructor in Medical Records Technology; Director, Medical Records Technician Program*.....(1968)
B.A., College of St. Scholastica, Duluth, Minnesota.

- ROGER RODERICK, *Professor of Management & Finance; Chairman, Department of Management & Finance, Director of Research, School of Business*.....(1976)
B.S., Eastern Illinois University; M.S., Ph.D., University of Illinois.
- JAMES K. RUSSELL, *Associate Professor of Art*.....(1969)
A.B., San Diego State College; M.A., M.F.A., University of Iowa.
- ASA M. RUYLE, *Professor of Education, Vice-President for Financial Affairs*.....(1976)
B.S., M.Ed., Ed.D., University of Missouri.
- ROBERT C. RYCHERT, *Associate Professor of Micro Biology; Chairman, Department of Biology*....(1975)
B.S., Cornell University; M.A., San Francisco State; Ph.D., Utah State University.

S

- NORMA JEAN SADLER, *Associate Professor of Education*.....(1973)
A.B., University of California at Los Angeles; M.A., California State University at Long Beach; Ph.D., University of Wisconsin.
- CHAMAN L. SAHNI, *Associate Professor of English*....(1975)
B.A., Bareilly College; India; M.A., Lucknow University, India; M.A., University of Rhode Island; Ph.D., Wayne State University.
- MICHAEL L. SAMBALL, *Assistant Professor of Music*... (1976)
B.F.A., University of Florida; M.M., North Texas State University.
- RICHARD K. SANDERSON, *Assistant Professor of English*.....(1971)
B.A., University of California, Berkeley; M.A., Ph.D., New York University.
- MARTIN W. SCHEFFER, *Professor of Sociology*.....(1964)
A.A., Diablo Valley College; B.S., M.S., University of Oregon; Ph.D., University of Utah.
- JACK ALBERT SCHLAEFLE, *Assistant Professor of Education; Director, Educational TV*.....(1971)
B.A., University of Northern Colorado; M.P.A., University of Colorado.
- ANDREW B. SCHOEDINGER, *Associate Professor of Philosophy*.....(1972)
B.A., Hobart College; A.M., Ph.D., Brown University.
- MARY A. SCHOLLES, *Instructor in Related Subjects*.....(1971)
A.A.; Boise Junior College; B.A., College of Idaho; University of Idaho; Idaho State University, San Francisco State University; Boise State University.
- HENRIETTA S. SCHOONOVER, *Associate Professor of Foreign Languages*.....(1974)
A.B., Bryn Mawr College; M.A.; Ph.D., McGill University.
- GERALD H. SCHROEDER, *Assistant Professor of Music* (1978)
B.S., University of Wisconsin; M.M., Indiana University; D.M.A., University of Colorado at Boulder.
- MYRL SCHROEDER, *Instructor in Small Engine Repair*..(1976)
- DUSTON R. SCUDDER, *Professor of Marketing; Chairman, Department of Marketing and Mid-Management*.....(1964)
B.S., in Business Administration; M.A., University of Denver; Ed.D., Oregon State University; University of Colorado; Colorado State University.
- CAROL SEDDON, *Assistant Professor of Medical Records*.....(1978)
B.S., Idaho State University; M.S., Oregon State University; R.R.A. (Registered Record Administrator), Seattle University.
- GLENN E. SELANDER, *Assistant Professor of English*... (1966)
B.A., Southwestern University; M.A., Utah State University; Perkins School of Theology; Southern Methodist University; University of Utah.

- WILLIAM E. SHANKWEILER, *Professor of Theatre Arts* (1956)
B.F.A., M.F.A., Goodman Memorial Theater; Ph.D.,
University of Denver.
- PATRICK W. SHANNON, *Associate Professor and Assistant
Chairman, Department of Management and Finance* (1974)
B.S., M.S., University of Montana; Ph.D., University of
Oregon.
- MELVIN L. SHELTON, *Associate Professor of Music* (1968)
B.M.E., Wichita State University; Boise College; M.M.,
University of Idaho.
- MICHAEL A. SHORT, *Instructor in Vocational-Technical
Education* (1977)
B.A., Idaho State University; M.A., College of Idaho.
- ROBERT C. SIMS, *Professor of History* (1970)
B.A., Northeastern Oklahoma State College; M.A., Univer-
sity of Oklahoma; Ph.D., University of Colorado.
- RAMLAYKHA SINGH, *Associate Professor of Teacher
Education and Library Science, Coordinator,
Field Experiences* (1975)
B.S., Mankato State College; M.A., Ed.D., University of
Northern Colorado, Greeley.
- WILLIAM G. SKILLERN, *Professor of Political Science,
Director, Interdisciplinary Studies in the Humanities
Program* (1971)
B.S., Linfield College; M.S., University of Oregon; Ph.D.,
University of Idaho.
- ARNY R. SKOV, *Professor of Art* (1967)
A.A., Boise Junior College; B.A., M.F.A., University of
Idaho; California College of Arts and Crafts.
- FRANK H. SMARTT, *Assistant Professor of
Mathematics* (1958)
B.A., M.A., Colorado State College.
- BERYL J. SMITH, *Associate Professor of
Registered Nursing* (1972)
B.S., University of Utah; M.Ed., University of Illinois.
- DONALD D. SMITH, *Professor of Psychology* (1967)
A.B., Nebraska State Teachers College; M.Ed., Whittier
College; M.Ed., Ed.D., University of Southern California.
- LYLE SMITH, *Professor of Physical Education,
Director of Athletics* (1946)
B.S. (Ed.), M.S. (Ed.), University of Idaho; San Diego
State College.
- WILLIAM SMITH, *Associate Professor of Physics
and Engineering* (1973)
B.A., M.A., Ph.D., University of Wisconsin.
- MARK E. SNOW, *Professor of Psychology* (1971)
B.A., Eastern Washington College of Education; M.A.,
Ph.D., University of Utah.
- STEPHEN E. SPAFFORD, *Instructor in Political Science,
Associate Dean, Admissions and Records* (1972)
B.A., Dartmouth College; M.A., University of Oregon.
- CLAUDE SPINOSA, *Professor of Geology* (1970)
B.S., City College of New York; M.S., Ph.D., The Univer-
sity of Iowa.
- FRANK W. STARK, *Professor of Chemistry and
Physical Science* (1957-62, 1967)
B.S., M.S., Trinity College; University of Denver.
- HARRY L. STÉGER, *Associate Professor of Psychology* (1972)
B.A., University of California, Berkeley; B.D., Berkeley
Baptist Divinity School; M.S., California State College;
Ph.D., University of Kentucky.
- THOMAS E. STITZEL, *Professor of Management and
Finance; Dean, School of Business* (1975)
B.S., Washington State University; M.B.A., Ph.D., Univer-
sity of Oregon; C.F.A.
- JANET M. STRONG, *Assistant Professor; Circulation
Librarian* (1973)
A.A., Treasure Valley Community College; B.A., Eastern
Oregon State College; M.L.S., University of Washington.
- MARSHALL M. SUGIYAMA, *Associate Professor of
Mathematics* (1974)
B.A., Eastern Washington State College; M.S., Western
Washington State College; Ph.D., Washington State
University.
- LADDIE J. SULA, *Associate Professor of Economics* (1975)
B.A., Loras College; M.A., University of Illinois, Urbana;
Ph.D., Georgia State University.
- ROBERT A. SULANKE, *Associate Professor
of Mathematics* (1970)
B.A., Earlham College; M.S., Case Institute of
Technology; Ph.D., University of Kansas.
- GERALD SUTTER, *Sergeant, Instructor of
Military Science* (1977)
Active Duty, United States Army.
- CLARK SWAIN, *Associate Professor of Marriage and
Family Studies — Home Economics* (1976)
B.S., Brigham Young University; Ph.D., Florida State
University.
- COLEEN SWEENEY, *Assistant Professor of Physical
Education* (1975)
B.A., M.A., California State University — Chico.
- CARL RICHARD SWENSON, *Assistant Professor of Teacher
Education* (1980)
B.A., M.A., University of Washington; Ph.D., University of
Kansas Medical Center.
- ROBERT B. SYLVESTER, *Associate Professor of History* (1963)
A.A., Boise Junior College; B.A., M.A., University of
California, Santa Barbara.

T

- YOZO TAKEDA, *Professor of Mathematics* (1969)
B.S., University of Michigan; M.A., University of Missouri;
Ph.D., University of Idaho.
- JOHN S. TAKEHARA, *Professor of Art* (1968)
B.A., Walla Walla College; M.A., Los Angeles State Col-
lege; University of Hawaii.
- 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, *Associate Professor; Head
Reference Librarian* (1977)
A.B., Friends University; M.A., University of Denver;
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 Il-
linois University; Ph.D., Michigan State University.
- PATRICIA A. TAYLOR, *Instructor in Nursing* (1976)
B.S., Duquesne University; M.Ed., College of Idaho.
- RONALD S. TAYLOR, *Assistant Professor of Art* (1975)
B.A., Boise State; M.F.A., Utah State University.
- GEORGE THOMASON, *Assistant Professor in Music* (1975)
B.A., College of Idaho.
- CHERYL K. THOMSON, *Instructor in Art* (1978)
B.F.A., M.A., Boise State University.
- CONNIE M. THORNGREN, *Assistant Professor of
Physical Education; Women's Basketball Coach* (1970)
B.A., Idaho State University; M.Ed., Central Washington
State College.
- STEVEN DAVID THURBER, *Professor of Psychology* (1970)
B.S., M.S., Brigham Young University; Ph.D., University
of Texas, Austin.
- CHARLES R. TILLMAN, *Instructor in Diesel Mechanics* (1977)
- 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.

FACULTY

- 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, *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)
Certificate, Idaho State University; 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*.....(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
- WENDEN W. WAITE, *Associate 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.
- 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 and 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, *Assistant Professor of English*.(1966)
B.A., University of Nevada; M.A., Arizona State University; Ph.D., Indiana University.
- MONT W. 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, *Associate 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.
- DONALD L. WERTMAN, *Instructor in Machine Shop*.....(1979)
Certificate, Penn State University.
- E. ALLEN WESTON, *Assistant Professor of Drafting-Design, Chairman, Department of Light Technologies*.....(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.
- CRAIG WHITE, *Assistant Professor of Geology/Geophysics*.....(1980)
B.A., Earlham College; M.A., University of Wisconsin; Ph.D., University of Oregon.
- 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-HOWARD, *Associate Professor of Biology, Associate Chairman Department 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, Chairman, Department of Geology*.....(1969)
B.S., Brigham Young University; M.N.S., Ph.D., University of Idaho.
- JAMES WILTERDING, *Professor of Management & Finance*.....(1976)
B.A., Seattle University; M.B.A., University of Oregon; D.B.A., Texas Tech, University.
- NANCY WIMMER, *Instructor in Nursing*.....(1976)
R.N., B.S., Idaho State 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, *Associate Professor of Geology*... (1977)
Geophysical Engineer, Colorado School of Mines; M.S., Ph.D., California Institute of Technology.
- GILBERT A. WYLLIE, *Associate Professor of Biology*....(1965)
B.S., College of Idaho; M.A., Sacramento State College; Ph.D., Purdue University, Oregon State University, University of Oregon.
- Y
- ARTHUR ERIC YENSEN, *Assistant Professor of Biology*.(1978)
B.S., The College of Idaho; M.A., Oregon State University; Ph.D., University of Arizona.

FACULTY

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.

MIKE M. YOUNG, *Assistant Professor of Physical Education;
 Head Wrestling Coach* . . . (1970)
 B.A., M.A., Brigham Young University.

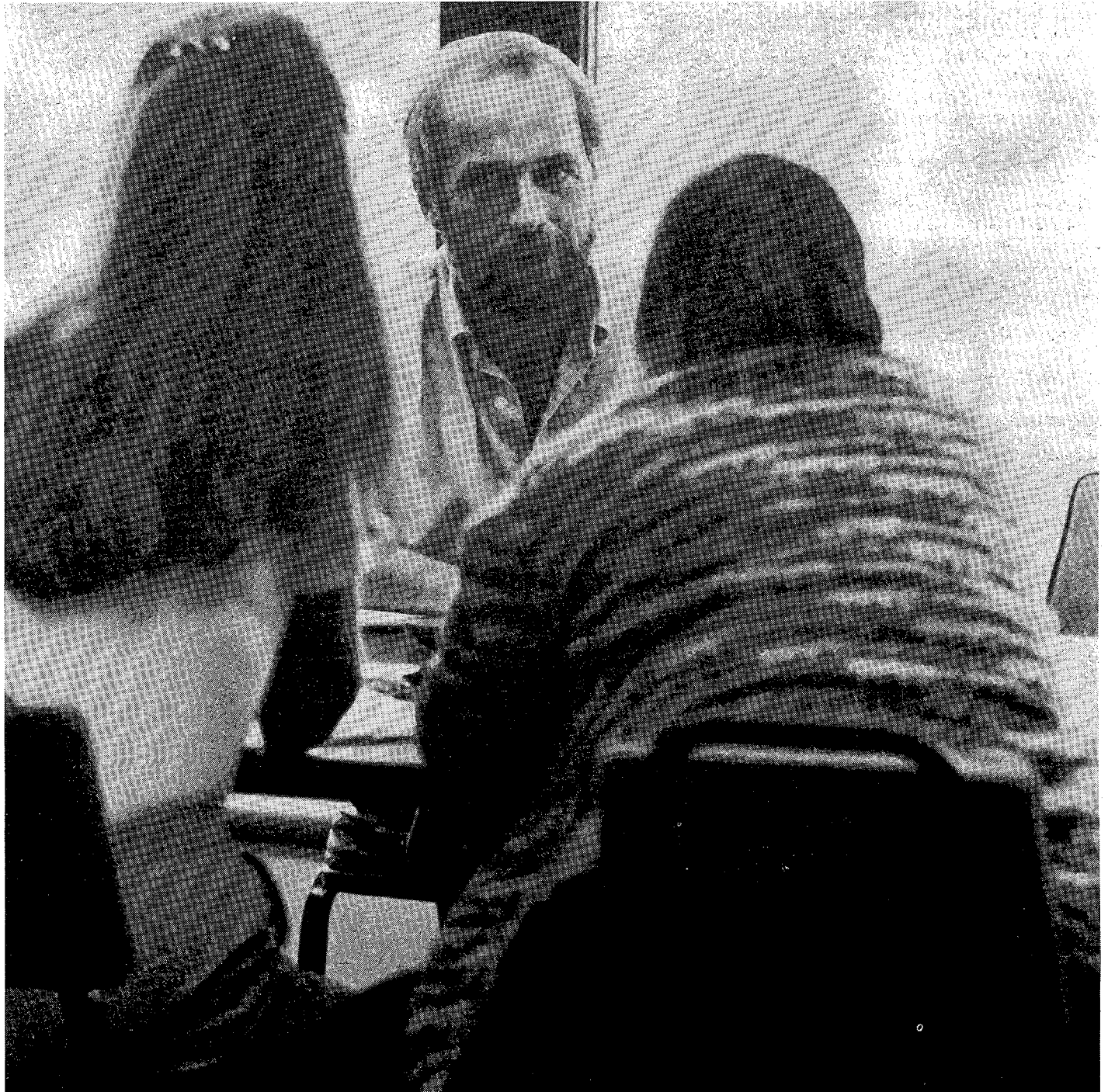
VIRGIL M. YOUNG, *Professor of Education* . . . (1967)
 B.S., M.Ed., Ed.D., University of Idaho.

DOUGLAS YUNKER, *Associate Professor of Social Work,
 Chairman Department of Social Work* . . . (1976)
 B.S., Western Michigan University; M.A., Indiana Univer-
 sity.

RONALD ZAWISLAK, *Associate Professor of
 Geology/Geophysics* . . . (1980)
 B.A., M.A.T., Vanderbilt University; Ph.D., University of
 Wyoming.

Z

MICHAEL P. ZIRINSKY, *Associate Professor of History* . (1973)
 A.B., Oberlin College; M.A., American University; Ph.D.,
 University of North Carolina at Chapel Hill.



FACULTY

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(1954-1969)

ADA Y. HATCH, *Professor of English*
(1932-1967)

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EMERITI

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(1940-1942, 1943-1977)

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(1932-1938, 1939-1972)

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(1946-1977)

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(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)

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)

CARL W. TIPTON, *Associate Professor of Management*
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LYLE F. TRAPP, *Assistant Professor of Auto Body*
(1953-1967)

G. W. UNDERKOFER, *Associate Professor of Accounting*
(1952-1974)

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(1968-1979)

GERALD R. WALLACE, *Professor of Education; Dean of the School of Education*
(1968-1978)

JOHN E. WARWICK, *Associate Professor of Communication*
(1963-1977)

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)

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