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

While every effort is made to insure that the information is current and accurate, the provisions of this publication are not to be regarded as an irrevocable contract between the student and the College. The College reserves the right to change any provision, requirement or course offering at any time within the student's term of attendance.

Cover Design and titles by
Clair H. Mumau of the BSC
Printing and Graphics Services Center

Photographs by Frank Carr of the BSC News Bureau

Catalog Editor, Herbert W. Runner
Campus Drive, College Blvd., and Bellevue are city streets and as such require no parking permit.

BOISE STATE COLLEGE CAMPUS GUIDE

1. The Towers (Towers nearby are for future expansion)
2. Health
3. College Courts
4. Campus School
5. Science
6. School of Business
7. Administration
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17. Chaffee Hall
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22. Bronco Stadium
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NOTE: The admissions policy at Boise State and other general policies in all of its programs, as well as its personnel employment practices, operate under a philosophy that no person shall on the ground of race, color, sex, or national origin, be excluded from consideration, participation, be denied the benefits of, or be subjected to discrimination in any activity.
Boise State College Administration

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Boise State College Administration

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SUMMER SESSION 1972

June 3, Saturday 9 a.m. - 1 p.m. Registration in Gymnasium
June 5, Monday Graduate 8-wk session until July 29
June 5, Monday First 5-wk session until July 7
July 10, Monday Second 5-wk session until August 11

FALL SEMESTER 1972

August 18, Friday Last day for full time students to complete all admission requirements. (Students who complete requirements after this date will be charged a late registration fee and scheduled after regular registration times.)
August 28, Monday - Morning Department Chairmen Meeting (by school)
August 29, Tuesday - 1:00 p.m. Residence Halls open
August 29, Tuesday Faculty meetings (by school) — faculty are on duty from this date for curriculum and instructional and registration planning.
August 30, Wednesday Late ACT test
Foreign Language Placement Test
August 30, Wednesday New Student Orientation & Group Counseling
August 30, Wednesday Pre-registration counseling in advisors' offices
August 31, Thursday Registration by schedule for Seniors, Juniors, Sophomores and graduate students.
Pre-registration counseling in the advisors' pool.
September 1, Friday Registration by schedule for freshmen. Pre-registration counseling in the advisors' pool.
September 1, Friday Evening Open registration
7:00-9:00 p.m.
September 2, Saturday Morning Open registration
9:00 a.m. - Noon
September 5, Tuesday Classes begin
September 11, Monday Last day to register late, and for adding new courses for credit: Last day to change from audit to credit.
October 27, Friday Last day for withdrawal without penalty for failing work. Last date for removing incompletes for previous semester. End of mid-semester examinations.
October 27, Friday Last day to file application with department for final Master's written examination.
October 28, Saturday
8:30 a.m. - Noon Graduate Record Examination (L215)
November 3, Friday Last day to file application with department for admission to Candidacy and Graduation for Master’s Degree
November 11, Saturday Final written examination for Master’s Degree
November 18, Saturday Last day to submit final copy of thesis and projects with department.
November 22, Wednesday
10:00 p.m. Thanksgiving Vacation starts
November 27, Monday 7:00 a.m. Classes resume after vacation
November 27, Monday 4:30 p.m. Last date to withdraw from classes
December 2, Saturday Last date for final oral examinations in defense of Thesis and Applied Projects for Master's degrees
December 15, Friday Classroom instruction ends
December 18, 21 - Monday Semester Examinations
Tuesday, Wednesday, Thursday
December 21, Thursday -
5:00 p.m. Christmas vacation
6:00 p.m. Residence halls close.
SPRING SEMESTER 1973

January 2, Tuesday .............................................. Last date for full time students to complete admission requirements. (Students who complete requirements after this date will be charged a late registration fee and scheduled after regular registration times.)

January 8, Monday morning ................................... Department Chairman Meetings (by school)
January 9, 1:00 p.m ............................................... Residence Halls Open
January 9, Tuesday ............................................... Faculty Meetings (by school) — faculty are on duty from this date for curriculum and instructional and registration planning.
                Late ACT Test
                Foreign Language Placement Test
January 10, Wednesday ......................................... New student orientation and group counseling. Pre-registration counseling in advisors' offices
January 11, Thursday ............................................ Registration by schedule for Seniors, Juniors, Sophomores and Graduate Students.
                Pre-registration counseling in the advisors' pool
January 12, Friday ............................................... Registration by schedule for Freshmen. Pre-registration counseling in the advisors' pool
                Evening ....................................................... Open registration
January 13, Saturday ............................................ Open registration
January 15, Monday .............................................. Classes begin
January 19, Friday ............................................... Last day to register late, and for adding new courses for credit. Last day to change from audit to credit.
January 20, Saturday ............................................ Graduate Record Examination (L215)
March 16, Friday ................................................... End of mid-semester examinations. Last date for removal of incompletes for previous semester. Last date to withdraw without penalty for failing work. Last date to file application with Department for final Masters' written examination
                10:00 p.m ....................................................... Spring vacation until March 26
March 26, Monday .................................................. Classes resume
March 28, Wednesday .............................................. Midterm grades due with registrar
March 30, Friday ................................................... Last date to file application with department for admission to candidacy and graduation for Masters' degree.
April 14, Saturday ............................................... Final written examination for Masters' degree
April 21, Saturday .................................................. Last date to submit final copy of thesis and projects with department,
April 26, Thursday .................................................. Last date to withdraw from classes. Last date for final oral examinations in defense of thesis and applied projects.
May 11, Friday ...................................................... Classroom instruction ends
May 14 thru May 17 .............................................. Semester Examinations
                (Monday, Tuesday,
                Wednesday, Thursday)
May 17, Thursday - 6:00 p.m ................................... Residence halls close
May 20, Sunday ..................................................... Commencement

SUMMER SESSION 1973

June 2, Saturday 9 a.m. - 1 p.m. .................................. Registration in Gymnasium
June 4, Monday ...................................................... Graduate 8-wk session until July 28
June 4, Monday ...................................................... First 5-wk session until July 6
June 16, Saturday 8:30 a.m. - Noon ............................. Graduate Record Examination
July 9, Monday ...................................................... Second 5-wk session until August 11
### Calendar Highlights for New Students

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<th>Event</th>
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<th>SPRING '73</th>
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<td>Last date to complete all admission requirements</td>
<td>8/18/72</td>
<td>1/2/73</td>
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<tr>
<td>Late ACT Test</td>
<td>8/30/72</td>
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<tr>
<td>Foreign Language Placement Test</td>
<td>8/30/72</td>
<td>1/9/73</td>
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<tr>
<td>New student orientation and group counseling</td>
<td>8/30/72</td>
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<tr>
<td>Pre-registration counseling—Advisors office</td>
<td>8/30/72</td>
<td>1/10/73</td>
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<td>—Advisors pool</td>
<td>8/31/72</td>
<td>1/11/73</td>
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<tr>
<td>—Gymnasium (open registration)</td>
<td>9/1/72</td>
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<tr>
<td>Registration for all but Freshmen</td>
<td>8/31/72</td>
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<tr>
<td>Registration for Freshmen</td>
<td>9/1/72</td>
<td>1/13/73</td>
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<tr>
<td>Last day to register late and for adding new classes for credit</td>
<td>9/11/72</td>
<td>1/19/73</td>
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<td>Last day for withdrawal without penalty for failing work</td>
<td>10/27/72</td>
<td>3/16/73</td>
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<tr>
<td>Last day for removing incompletes from previous semester</td>
<td>10/27/72</td>
<td>3/16/73</td>
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<tr>
<td>End of mid-semester examinations</td>
<td>10/27/72</td>
<td>3/16/73</td>
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<tr>
<td>Last day to withdraw from classes</td>
<td>11/27/72</td>
<td>4/26/73</td>
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</tbody>
</table>

### Calendar Highlights for Dormitory Residents

#### FALL SEMESTER 1972
- Residence halls open: 1:00 p.m., Tuesday, August 29, 1972
- Second payment due if deferred payment plan is used: Wednesday, November 1, 1972
- Thanksgiving vacation (Food service not available but dormitories open): November 23-26, 1972
- Residence halls close: 6:00 p.m., December 21, 1972

#### SPRING SEMESTER 1973
- Residence halls open: 1:00 p.m., Tuesday, January 9, 1973
- Final payment due if deferred payment plan is used: Thursday, March 1, 1973
- Spring vacation: March 17-25, 1973
- Residence halls close: 6:00 p.m., Thursday May 17, 1973

### Calendar Highlights for Graduate Students

<table>
<thead>
<tr>
<th>Event</th>
<th>SUMMER '72</th>
<th>FALL '72</th>
<th>SPRING '73</th>
<th>SUMMER '73</th>
</tr>
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<td>Registration</td>
<td>6/5/72</td>
<td>8/31/72</td>
<td>1/11/73</td>
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<td>Last date to file application with department for final Master's</td>
<td>6/30/72</td>
<td>10/27/72</td>
<td>3/16/73</td>
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<td>written examination</td>
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<td>Last date to file application for admission to candidacy and</td>
<td>7/7/72</td>
<td>11/3/72</td>
<td>3/30/73</td>
<td>7/6/73</td>
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<tr>
<td>graduation for Master’s degree</td>
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<tr>
<td>Final written examination for Master’s degree</td>
<td>7/15/72</td>
<td>11/11/72</td>
<td>4/14/73</td>
<td>7/14/73</td>
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<tr>
<td>Last date to submit final copy of thesis and projects in Graduate</td>
<td>7/22/72</td>
<td>11/18/72</td>
<td>4/21/73</td>
<td>7/21/73</td>
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<td>School</td>
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<tr>
<td>Last date for final oral examinations in defense of thesis and</td>
<td>7/29/72</td>
<td>12/2/72</td>
<td>4/26/73</td>
<td>7/28/73</td>
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<tr>
<td>applied projects</td>
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general information
PART I

general information

HISTORY
MISSION AND OBJECTIVES
THE PLANT
CULTURAL ADVANTAGES
ACCREDITATION AND AFFILIATION
ENRICHMENT OPPORTUNITIES
OUTREACH SERVICES AND PROGRAMS
SCHEDULE OF FEES AND CHARGES
Boise State College is the product of citizens in action. From the inception of the school, during the Depression 30's to February, 1965 when it acquired four-year status as "Boise College," to its present status as a comprehensive state college, the institution has developed through district, regional, and state support.

When college seemed beyond the reach of many young people, in the spring of 1932, an Episcopal Bishop, the Right Reverend Middleton S. Barnwell, organized Boise Junior College. Its classes were held in St. Margaret's Hall, a church-operated girls' academy.

Two years later, in answer to an appeal from the Bishop, a group of visionary citizens formed a non-profit corporation to continue the operation of the fledgling school. The city of Boise, in turn, contributed land on which to build a campus, on a 110-acre tract south of the Boise River, the former municipal airport.

The Idaho Legislature helped lay the groundwork to make the college a public institution by passing an enabling act in February, 1939, permitting the formation of junior college districts. Within a month, the Boise Junior College District was formed by a large majority of the qualified voters; and the school opened that fall as a public institution. Another district vote, by a 10 to 1 majority, approved the necessary funds to start building a college plant.

The 1965 Legislature acted to form a new four-year degree granting institution, Boise College. The first upper division courses were offered during the summer session of 1965, and the first graduation from the four-year college was in the spring of 1967. The 1967 State Legislature voted for the integration of Boise College into the state system of higher education effective January 1, 1969 and changed the name to Boise State College. Boise State is fully accredited by the Northwest Association of Secondary and Higher Schools.

To meet the educational needs of men and women of all ages Boise State College offers one- and two-year courses of study through its Area Vocational-Technical School, four-year curricula leading to the baccalaureate degree in a variety of fields and graduate programs leading to the Masters degree in Business Administration and Elementary Education.

**INSTITUTIONAL MISSION AND OBJECTIVES**

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

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

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

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

Teaching, knowledge and innovation must be advanced on every front—the arts, the sciences and the occupations. In these areas we should allot a greater proportion of our total effort to teaching, first to extend still further each student's understanding of the world, and second, to enrich basic and applied research in the sciences, humanities, and technology so essential to the improvement of humanity in all respects. Therefore, we should encourage the faculty and administration to engage in personal and team research which contributes to institutional improvement of personal growth, and maintain effective communication with students, alumni and the general public in an attempt to assess continually the effectiveness of the college in fulfilling its mission.

The status of the individual must remain our primary concern, and we must further enhance the dignity of the individual student, promote the maxi-
mum development of his capabilities, stimulate their responsible use, and widen the range and effectiveness of opportunities for individual choice, self-development and self-expression.

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

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

THE PLAN

Courses of study are planned to meet the needs of high school graduates who desire additional training or education for the following reasons:

1. To obtain a baccalaureate degree by enrolling in a full four-year course; or to obtain preprofessional background.

2. To obtain graduate professional training in Elementary Education and Business Administration, fields in which the Masters degree is authorized.

3. To obtain a general or specialized education beyond high school.

4. To qualify for business or professional positions through additional education and training.

5. To obtain new skills or retraining in present work, in evening, early morning or weekend classes.

6. To provide general educational and cultural opportunities to the public.

THE PLANT

The tree-studded campus south of the Boise River, opposite Julia Davis Park, is bounded on the west by Capitol Boulevard and on the east by Broadway Avenue. It is traversed on the north by a picturesque river road at the end of which stands a small historic chapel which was moved on campus for posterity. College Boulevard is the southern boundary line of the campus.

The college is within walking distance of the downtown area, below the hill from the Union Pacific Station. Opposite the campus on the south are several religious centers of various denominations.

The Administration Building was completed in 1940 and was followed that same year by the Heating Plant, Music Auditorium, Vocational Shop, Gymnasium and the Music-Drama Annex.

The Science Building was completed in 1955 with a new wing added in 1966. The building provides excellent laboratories, class and seminar rooms and a 260-seat theater-type lecture room.

The Liberal Arts Building was completed in 1967. It includes 33 classrooms, 7 art laboratories, 31 faculty offices, a foreign language laboratory and a 322-seat auditorium equipped with some of the most advanced teaching aids.

The air-conditioned Library, constructed in 1964, with a four-story addition completed in 1971, is a modern brick and glass structure overlooking the Boise River on the north, with a south terrace facing the Liberal Arts Building and the Memorial Fountain and Mall. The enlarged building, with a total area of approximately 145,000 square feet, will accommodate about 1400 readers at large study tables and individual study desks distributed throughout the open stack areas on all floors. The book stacks provide space for about 350,000 volumes, with the present, rapidly growing collection numbering nearly 125,000 volumes.

The Periodical and Documents department, located on the fourth floor, receives over 1200 current periodicals and over 35 newspapers, including a number of Idaho newspapers. Back files of newspapers and many journals are available on microfilm, with several microform readers and reader-printers to facilitate their use. The Library has been a partial depository for U.S. government documents since 1966, and has a growing collection of Idaho state documents.

On the third floor is the Vardis Fisher Memorial Room housing Fisher memorabilia, a complete collection of first editions of books by the noted Idaho author, and his working collection, all contributed by Mrs. Opal Fisher.

The Curriculum Resource Center, housed on the second floor of the library addition, includes the children's and young adult literature collections, and collections of curriculum and special education materials which are available to teachers in the Boise area, as well as to college students and faculty. Electronic carrels providing listening facilities are also available in the Center.
A reserve reading room and general reference collection are located on the ground floor near the circulation and card catalog areas.

The educational film library contains about 1,400 films and several hundred film strips valued at more than $100,000. These materials are used not only in the College, but in schools and by community organizations throughout the area. The latest projectors and other audio-visual equipment are available through the Educational Media Services.

The Teacher Education and Library Science department, and the Reading and Counseling centers are located on the second floor of the original Library Building.

An Educational Television center occupies approximately 10,000 square feet of the ground floor of the Library building. The facility provides a large production studio, offices and modern broadcasting equipment for TV station, KADTV, the non-commercial, public broadcasting station licensed by Boise State College.

The Foreign Language Laboratory is a completely up-to-date facility which provides students with individual equipment which transmits recorded or "live" speech to a listener, and which affords the listener a chance to become a speaker, practicing the sounds heard. Each student can work at his own speed, and is under the constant supervision of a trained proctor. In addition to learning a foreign language, records and tapes are used to bring songs and music, conversational dialogues, literary selections, phonological drills, and syntactical patterns into the laboratory.

The Music Auditorium houses the Cunningham Memorial Organ, considered one of the finest instruments of its kind in the Northwest. The building was remodeled in 1953 and seats 500 persons for college and community functions. The Music Department also is quartered here, including practice rooms and studios.

The College Union Building, opened in the fall of 1967, is a structure of modern design that is the social center of the campus. The facility includes a large snack bar with a seating capacity of more than one thousand students, a game room including snooker and pool tables, an outside equipment rental room, coin amusement machines, a quiet games area (cards, checkers, chess, bridge) and a modern six-lane bowling alley. A large bookstore, a barber shop, numerous meeting and seminar rooms, boarding student dining area, a large ballroom to accommodate one thousand persons, three music listening rooms, a television lounge, two spacious lounge areas and a third story penthouse lounge are also found in the building. Offices for student government, student activities, the Student Management Board and the College Union Director and his staff are located in the facility.

The Music-Drama Annex was used until 1967 as the Student Union Building. It was partially constructed through student fees and further financed by the Board of Trustees and a gift by H. W. Morrison. It provides expanded classrooms, and practice facilities for music students; speech and drama laboratory facilities; a radio broadcast studio; and the Student Health Services.

The Gymnasium and Physical Education Building constructed in 1955 with additional facilities added in 1971 is used extensively by the college and the community for events requiring a large seating capacity (up to 4,000). The gymnasium contains two full-sized basketball floors and additional large areas adaptable for special training classes, testing and registration.

Bronco Stadium, rebuilt in 1970, serves as "Home of the Broncos" football team and for track events, outdoor pageants and spectacles, and for athletic events of high schools and other colleges.

The new stadium seats 14,000 and is expandable to 26,000. It has an Astro-turf playing field, synthetic track surfaces, and a modern Varsity Center for athletes.

The Technical Education Building, completed in 1966, houses classes, laboratories, and offices of the rapidly expanding Vocational-Technical Education Program. Drafting Technology, Electronics, Office-Machine Repair, Horticulture, Practical Nursing, and Dental Technician training are some of the activities conducted in this building.

Women's Residence Halls, Morrison Hall and Driscoll Hall were both completed in 1951 with identical construction of 48 single rooms and 15 double rooms. Central features are downstairs parlor and large recreation rooms. Each dormitory has 10 suites with small living room and lavatory facilities for the occupants. Laundry facilities also are available for the residents.

Opened in the fall of 1967, Chaffee Hall is a men's residence, designed to accommodate 300 students. This beautiful new addition to the campus includes a central unit that is air-conditioned and contains a carpeted lounge, TV room, recreation room, and Resident Director's apartment. Students are housed in two separate three-story units with 24 double rooms, two single rooms and a Resident Advisor's room on each floor.

The Vocational-Technical Center is a new facility opened in the fall of 1970 housing shops and laboratories in automotive technology, welding, and machine shop. A Learning Center is in this building as well as a variety of general classrooms and offices.
The School of Business Building was opened in the fall of 1970. It houses a wide variety of classes in business and government, is air-conditioned and excellently equipped.

The Boise Institute of Religion is provided by the Church of Jesus Christ of Latter-Day Saints is supplement the college experience of all interested students. Within the Institute, located at 1929 College Blvd., courses in religion are offered at minimal cost. Additional offerings include worship services and a variety of social, cultural, athletic, and fraternal activities. The Institute is open to all students willing to abide its standards without restriction as to creed or race.

St. Paul’s Catholic Student Center, completed in 1970, is the base for a parish which includes all Catholic students attending Boise State College. The building, designed around an existing central core area, built in 1965, consists of the chapel in the left wing, and recreational-educational facilities on the right. The original building now houses a main lobby and offices, and connects with both wings and the chaplain’s residence. Catholics of Idaho have built the Center to provide for the spiritual, intellectual and social formation of student participants. It is one of three major Catholic student centers constructed within the past five years on Idaho’s campuses.

CULTURAL ADVANTAGES

Boise State increasingly is becoming the hub of cultural activities for the area, with many events presented at no charge, or for a nominal attendance fee. The College Lyceum Committee sponsors a series of lectures and entertainment featuring outstanding public figures or artists on tour to which the public is invited.

Dramatic offerings by student actors are presented each season. A full calendar of musical offerings includes recitals, concerts of the a cappella choir and the college band (both of which go on tour each year), the BSC-Community Symphony orchestra, and Music Theatre productions.

As the state capital, Boise offers many additional advantages to the students who can observe first hand various governmental departments, where they frequently have an opportunity to work. The city is the hub of communications, with the largest daily newspaper in the state, two major television stations, two weekly newspapers and seven radio stations.

There are two modern hospitals, plus a renowned convalescent center. It is a city of churches, and civic organizations abound for both men and women.

Music opportunities for participants and audience alike are here with a Philharmonic Symphony orchestra, the Community Concert series, in addition to several major musical show productions involving local talent given each year. There is an active Little Theatre group, an Art Association which sponsors an Art Gallery in Julia Davis Park, and a Historical Society in conjunction with the State Historical Museum also located in the Park, across the river from the college campus.

Boise Valley has a mild climate, only a few miles drive to the mountains for abundant snow. Bogus Basin, the local ski area, is only 16 miles from the city.

Family camping is a favorite recreation, with hunting and fishing practically at one’s backdoor. Water sports are found at nearby Lucky Peak reservoir, Lake Lowell and many other recreation spots within a short drive of town.

The city is international headquarters for two large companies, Boise Cascade Corporation and Morrison-Knudsen Construction Company.

ACCREDITATION AND AFFILIATION

Boise State College is fully accredited with membership in the Northwest Association for Secondary and Higher Schools. The Associate Degree program in Nursing is accredited by the National League for Nursing. The Boise State College Music Department is accredited nationally as a member of the National Association of Schools of Music.

Boise State is on the approved list of the American Association of University Women, affiliated with CEEB and has been elected to membership in the College Scholarship Service Assembly.

ENRICHMENT OPPORTUNITIES

HONORS PROGRAM

Director: William P. Mech, Ph.D.

The Honors Program is designed with general education in mind. Its main objective is to provide a broad and comprehensive liberal arts background which complements the specialized education and training which one obtains through the major departments. This includes topics in the sciences, humanities, and social sciences as generally indicated by the standard degree requirements. However, the catalog requirements are to be considered as minimal guide lines 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. The Honors student is expected to do more than the usual out-of-class reading and to spend less time on routine class assignments. He is encouraged to write more, to talk more, and to think more. He has the chance to be a creative participant in his own education. He will learn how to learn on his own, how to ask himself the right questions about new situations and new experiences, and thereby how to become an active and thoughtful member of the American society.
ELIGIBILITY

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

Students who are not admitted to the Honors Program upon initial enrollment at Boise State may apply at any time after the completion of the first semester. An Honors student may drop out of the program at any time within the existing college rules, and the Honors courses he has taken will be applied toward the General College 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. In every case, the student pursues work in his own major department that will prepare him for a professional career. The Honors Program works cooperatively with the major department in providing the opportunity and stimulus for the student to realize his potential.

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

- Honors English — two semesters
- Honors History — American — two semesters
- European — two semesters
- Honors Mathematics — one semester
- Development of Western Civilization — one semester
- Development of Eastern Civilization — one semester
- Honors Economics — one semester
- Honors Biological Science — one semester
- Honors Physical Science — one semester
- Domain of the Arts — one semester
- Honors Seminar (Special Topics Course) — each semester
- Independent Study — each semester
- Summer Reading — each summer

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

Honors Program Director
Boise State College
Boise, Idaho 83707

INDEPENDENT STUDY

TO WHOM AVAILABLE: The availability of independent study opportunities for graduate students, all upper-division students, and Honors Program lower-division students represents one of several unique curricular choices at Boise State College.

PURPOSE: Primarily the independent study experience provides individual study opportunities of a reading or project nature. Independent study allows the student to explore in depth a specific aspect in a discipline or professional field. Study experience of this nature affords students the opportunity to exhibit scholarly competencies on an independent basis.

DEPARTMENTAL AUTHORIZATION: Any department of the college which fields a baccalaureate degree program or graduate program is authorized to offer independent study. The course numbers identifying independent study experiences are not listed in the schedule of classes printed and distributed each term. This does not, however, preclude their availability based on mutual agreement between student and professor and approval by the Department Chairman.

MAXIMUM CREDITS ALLOWED: Only lower-division students who have been accepted into the Honors Program are eligible for 1 to 3 credits of Honors Independent Study per semester. Credits may not exceed three per semester nor six maximum in an academic year.

All 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; no more than 6 credits in any given academic year.

The academic year is interpreted to start with the beginning of each fall semester. The limitations, therefore, for maximum credit allowable in an academic year include any credit taken in the following summer session.
Limits on the amount of credits awarded an independent study experience at the graduate level will be established by the graduate council.

**INDEPENDENT STUDY IDENTIFICATION**
- 188 Honors Independent Study—1-3 credits
- 496 Independent Study—1-4 credits
- 596 Independent Study (graduate)—variable credit

The letter symbol prefix attached to the number representing a level of independent study is determined and designated by the area of interest and is in conjunction with the course designation system code listed on page 37 of the 1972-73 Boise State College Bulletin. For example, an independent study in History would be designated HY-496—3 credits, or a study experience at the graduate level in education would be indicated as TE-596—4 credits.

**PROCEDURES OF APPLICATION:** Students are expected to take the initiative in developing their independent study plans. Pick up the Request for Independent Study forms at either the office of the respective Dean, Division Chairman, or Department Chairman.

**STUDENT RESPONSIBILITY:** Definition of the phrase “Independent Study” means that the student proceeds on his own with periodic checks with the professor necessary. The purpose of the periodic contact between student and professor is to make certain that student progress is satisfactory. At the end of the semester or summer term, the student submits to the professor the completed project (e.g., research paper, thesis, reading abstracts, etc.). The burden and initiative of successfully pursuing the Independent Study rests with the student. Grades will be based on the quality and scholarship of the completed project submitted to the concerned professor. As stated earlier, the independent study experience may be repeated for a maximum of 9 credits; 6 credits maximum in one academic year. Prerequisite: upper division or graduate classification (except for lower division honor students) and consent of advisor, professor supervising the study and Department Chairman.

**CREDIT BY EXAMINATION**

**TO WHOM AVAILABLE:** The opportunity to challenge a college course by examination is available to all persons admitted and enrolled as students at Boise State College.

**WHEN AVAILABLE:** A student may challenge a Boise State College course offering when he feels confident that he has acquired sufficient knowledge (as the result of previous background, education, experience, etc.) to pass an examination which covers the content material of a given course.

**REQUEST PROCEDURE:** Requests for consideration should be made through the Chairman of the Academic Department in which the course to be challenged is offered. Requests are to be submitted on the Credit by Examination form located in Departmental Offices, Offices of the Division Chairmen, Offices of the Deans, Registrar's Office and the Office of the Executive Vice-President. The Credit by Examination form should be completed by the student in conference with the Chairman of the appropriate Department.

**DEPARTMENTAL OPTION:** Each Department shall have the option to allow or not allow credit by examination for each course offered by the Department. In the courses where credit by examination is allowed, the Department shall have the option of using a standardized examination or an examination prepared within the Department.

**APPLICATION OF EXAMINATION SCORE:** A student seeking to earn credit by examination shall, upon receiving his examination score, apply it under one of the following options:

1. For a regular grade
2. On a credit basis whereby the student receives credit with no letter grade for the course if the examination is passed.
3. On a non-credit basis with no letter grade if the examination is failed.

**COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)**

Boise State is the only official testing center within the State of Idaho for full testing services of the College Level Examination Program. The present policy at Boise State College for awarding credit on the basis of CLEP examinations is as follows:

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

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

CLEP Subject Matter Examinations will not be officially released on a Boise State College transcript to other agencies or institutions until the student has successfully completed 15 academic credit hours in residence at Boise State College.
Boise State College currently accepts test scores of CLEP in the following subject matter areas:

<table>
<thead>
<tr>
<th>CLEP EXAM TITLE</th>
<th>BSC EQUIVALENT COURSE AND NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition *</td>
<td>E-101. English Composition *</td>
</tr>
<tr>
<td>Analysis and Interpretation of Literature</td>
<td>E-102. English Composition *</td>
</tr>
<tr>
<td>Biology</td>
<td>B-101 + 102. General Biology or B-103 Concepts of Biology</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>C-101 + 102. Introduction to Chemistry</td>
</tr>
<tr>
<td>College Algebra-Trigonometry</td>
<td>M-111. Algebra and Trigonometry</td>
</tr>
<tr>
<td>Introductory Calculus</td>
<td>M-112. Calculus and Analytic Geometry</td>
</tr>
<tr>
<td>Introductory Accounting</td>
<td>AC-101 + 102. Principles of Accounting</td>
</tr>
<tr>
<td>Money and Banking</td>
<td>EC-301. Money and Banking</td>
</tr>
<tr>
<td>Introductory Business Law</td>
<td>GB-301. Business Law</td>
</tr>
<tr>
<td>Introduction to Business Management</td>
<td>MG-301. Principles of Management</td>
</tr>
<tr>
<td>Introductory Marketing</td>
<td>MK-301. Principles of Marketing</td>
</tr>
<tr>
<td>General Psychology</td>
<td>P-101. General Psychology</td>
</tr>
<tr>
<td>Introductory Sociology</td>
<td>SO-101. Introduction to Sociology *</td>
</tr>
</tbody>
</table>

* Applies only to non-traditional students—several other alternatives are available to students directly out of High School.
** Requires essay exam also.

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

Each Academic Department will decide who is eligible to take the examinations, the passing scores to be accepted, the way the examinations will be used, and the amount of credit obtainable.

Students generally become prepared to take the exams by:
1. Studying independently
2. Having advanced High School courses that parallel those offered by the college
3. Having previously audited the courses
4. Attending non-accredited schools, etc.
5. Correspondence—extension work
6. Educational Television courses
7. Travel
8. Study in Armed Forces or at proprietary schools
9. On-the-job training and experience

Subject Matter Examinations may be repeated after one year has elapsed since the first time the examinations were taken.

Costs
- $15.00 for each specific Subject Matter Examination taken.
- $10.00 Administration charge for students who are not full-time students (8 or more hours.)

ADVANCED PLACEMENT

If it is the preference of an Academic Department to use credit by examination as a form of advanced placement, the department has the option of using its own examination in conjunction with a standard test and recommendations from high school instructors. In this instance the gathering of materials, upon which the granting of credit will be determined, may begin during the student’s last semester in high school. When the student has enrolled in a section of the course at Boise State College, the Department may decide on his qualifications for advanced placement with credit.

CREDIT FOR PREREQUISITES NOT TAKEN

Students who have a sufficiently high Grade Point average (G.P.A.) or American College Testing Score (ACT), or who pass a Departmental Placement Examination may take designated courses without taking the listed prerequisites.

Students who receive a grade of "C" or better for a course in which they have not taken the prerequisite course(s) will be given credit with a grade of "S" (Satisfactory) for that course(s) when the following conditions are fulfilled:
1. The student must make application for this credit prior to registration for the advanced course using the appropriate form and following the prescribed procedure.
2. Department Chairmen, Division Chairmen, and Deans will determine for which prerequisite course(s) this credit is appropriate.
3. In some cases, an examination covering the content of the prerequisite course(s) may be required (and passed) before credit with a grade of "S" is awarded.
EVENING PROGRAM, SPECIAL COURSES, AND COMMUNITY SERVICE OBJECTIVES

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

During recent years, the College has successfully experimented with a great variety of courses, institutes, conferences, field trips, seminars, and other special programs to assist individuals and groups in understanding the complex nature of their society, its problems and possible solutions.

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

SPECIAL SERVICES AND PROGRAMS

Conference, Workshop, Seminar, Institute Planning Assistance — The College offers assistance to groups and agencies that desire help in planning educational programs or require assistance in upgrading personnel in new techniques, knowledge, and skills. Classroom facilities and equipment for these programs can be arranged.

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

Use of Facilities — Boise State College 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 will be available for students grade 4 through college 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 college 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 video-audio equipment are available for group use on the campus.

Data Processing Center — Tours of facilities, equipment demonstrations, and inservice lectures relative to data processing are available upon request.

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

Speaker's Bureau — As a service to the region and state, Boise State College has organized a Speaker's Bureau, whose members have volunteered to present lectures and/or talks before community groups and organizations. Write or call the News Bureau at 385-1198 to make requests.

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

College Band
Drama Offerings
Opera Workshop
A Capella Choir
Traveling art exhibits
Foreign Film Festival
Concerts and Recitals
Faculty Lecture Series
Forums of particular arts
BSC Community Symphony Orchestra
Demonstrations in various fields of study
Programs of outstanding artists and lecturers

EVENING INSTRUCTIONAL PROGRAMS AND SPECIAL COURSES

Extended Day Program — The College offers academic, avocational, and vocational courses on campus for the many individuals in the community who seek to achieve their own personal educational objectives.

Mountain Home Air Force Base Program — Boise State College 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.

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.

M.D.T.A. Programs — The Manpower Development Training Act (MDTA) is a joint state and federal government sponsored program to train adults in job areas where there is a shortage of skilled personnel. A co-objective of this program is to reduce the ranks of the unemployed and underemployed in the state and in particular the Southwestern region of Idaho.

Adult Basic Education Program — Basic literacy training for adults in the community is offered at the Vocational-Technical Division for those who desire to upgrade themselves in order to qualify for occupational entry and—or pursue high school instruction and prepares adults who wish to take the General Educational Development Test to qualify for the Idaho high school equivalency certificate.

General Educational Development (G.E.D.) Training — As a part of the Adult Basic Education Program, the College 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 College 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).

Head-Start Instructor Preparation Program — The College participates with other institutions in the state in offering courses to Head-Start Program personnel to improve their educational base and instructional abilities. These instructors work with disadvantaged pre-school children to prepare them for school.

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

Division of Continuing Education — The College works with the Division of Continuing Education in offering courses for extension credit from Boise State College. The Division of Continuing Education is an operational program of the Idaho Office of Higher Education. There are three regional offices with the Southwestern Regional Office located in Boise. Credit and non-credit classes are offered in any community or region of the state where a sufficient number of students may be organized to form a class and where a qualified instructor is available. These courses are taught by regular college instructors, and other qualified teachers.

Courses can be offered for graduate and undergraduate credit from Boise State College as well as the other state institutions of higher learning. The purpose of these extension classes is to make the resources of higher education available to those citizens of the State who can best be served in off-campus settings.

The Division of Continuing Education offers assistance to organizations, school districts and other interested groups in the formation of programs. For further information contact the Regional Director of Continuing Education, 413 Idaho Street, Boise, Idaho.

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

CIVIC IMPROVEMENT EFFORTS

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

COORDINATING OFFICE AND INFORMATION CENTER

In general, the Director of Extended Day and Summer Sessions is responsible for the total program of continuing education and community service. He directs, supervises, and administers the Evening Program (both academic and vocational), the Mountain Home Air Force Base Program, and special workshops, institutes, seminars, and conferences both on and off campus. In addition, he is responsible for the development, direction, and coordination of the Community Development-Community Service program with the Deans of the various schools as well as with the administrators of other major functions of the College.

The nature of the programs under his direction include credit, non-credit, vocational, avocational, extension, and special interest courses on the college level and at the less than college level.

For more information about the evening programs, special service and development activities of the College, contact Mr. James R. Wolfe, Director of Extended Day and Summer Sessions, Boise State College, 1907 Campus Drive, Boise, Idaho 83707 or telephone 385-1209.
GENERAL INFORMATION
Fees and Charges

CONTINUOUS REPORT OF ACTIVITIES

Boise State College maintains a daily activity information service on a special telephone line. By dialing 385-1111, current information concerning activities taking place on campus is available. The automatic answering device will give information concerning room changes, class cancellations, student activities, sports and other events taking place daily on campus. The number may be dialed at any time, day or night. The service operates except during Christmas vacation and until one week prior to the start of each school session.

SCHEDULES OF FEES AND CHARGES

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

Veterans and war orphans who plan to attend on the GI Bill of Rights must, upon registration, present their certificates of eligibility and must pay all required charges at time of registration. Twelve credit hours for undergraduate students and nine credit hours for graduate students will be considered by the Veterans Administration as a full schedule. Note: Audits and repeats may not be counted toward these hours.

SCHEDULE FOR VETERANS BENEFITS

<table>
<thead>
<tr>
<th>Full-time Benefits</th>
<th>Graduate</th>
<th>Undergraduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 or more hours</td>
<td></td>
<td>12 or more hours</td>
</tr>
<tr>
<td>6-8 hours</td>
<td></td>
<td>9-11 hours</td>
</tr>
<tr>
<td>4-5 hours</td>
<td></td>
<td>6-8 hours</td>
</tr>
<tr>
<td>less than 4 hours</td>
<td></td>
<td>less than 6 hours</td>
</tr>
</tbody>
</table>

Veterans must furnish the Veterans Officer with transcripts of previous post-high school credit.

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

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

TUITION AND FEE SCHEDULE

<table>
<thead>
<tr>
<th>Full Time</th>
<th>Idaho Resident</th>
<th>Non-Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition (per semester)</td>
<td>$176.00*</td>
<td>$176.00*</td>
</tr>
<tr>
<td>Institutional Fees</td>
<td>$176.00</td>
<td>$470.00</td>
</tr>
<tr>
<td>TOTAL TUITION &amp; FEES</td>
<td>$352.00</td>
<td>$646.00</td>
</tr>
</tbody>
</table>

* Includes 3% Idaho Sales Tax.

OTHER FEES

Part-time $18.00 per semester hour
Summer 18.00 per semester hour
Audit 13.00 per semester hour

Application Processing Fee: (Non-Refundable) 10.00

Testing Fee:
Students who have not taken the ACT tests on a regular national testing date will take the test during registration week. There will be no charge to those who have already taken the test 12.00

Change of Schedule Fee:
Changing or adding classes 1.00

Graduation Fee —
Non-Refundable (including cap & gown rental)
Associate Degree 5.00
Baccalaureate Degree 10.00
Masters Degree 15.00

Transcript:
One sent free; extras, each 1.00
(When two or more are ordered at the same time the first copy will be $1.00 and additional copies 50 cents each.)

Music, Performance:

<table>
<thead>
<tr>
<th>Music, Performance</th>
<th>PER SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>All private music lessons: 2 credits</td>
<td>$55.00</td>
</tr>
<tr>
<td>4 credits</td>
<td>$110.00</td>
</tr>
</tbody>
</table>

Fee waivers will be granted to all full-time music majors (8 hours or more) for all required private performance study leading to a B.A. or B.M. degree. Students receiving a fee waiver must be concurrently enrolled in a major ensemble and in Concert Class.

All students receiving fee waivers must be making satisfactory progress ("C" grade or better) in their private performance study to be eligible for a fee waiver the following semester.
Students receiving a fee waiver on an instrument leading to a proficiency examination must attempt the examination at the end of the first year of study and each semester thereafter until successful completion. No more than four semesters of fees for this purpose will be waived.

Late Registration Fee ..................... $5.00

To help defray the extra cost involved with late registration, a fee of $5.00 is charged after the regularly designated days for registration. If a student is forced to register late because of reasons completely beyond his control, he may petition for waiver of late fees prior to payment. An Application for Waiver of Late Fee should be picked up in A-100, filled out completely by the student, and taken to the Dean, Student Personnel Services, or his designee, for consideration. The cashier is not authorized to accept a late registration payment without the payment of the late fee or a waiver of late fee.

ROOM AND BOARD SCHEDULE (for Two Semesters)

MORRISON and DRISCOLL HALLS:

<table>
<thead>
<tr>
<th></th>
<th>BOARD</th>
<th>ROOM</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single</td>
<td>$550.00*</td>
<td>$350.00</td>
<td>$900.00</td>
</tr>
<tr>
<td>Double</td>
<td>550.00*</td>
<td>320.00</td>
<td>870.00</td>
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THE TOWERS:

<table>
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<th></th>
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<tbody>
<tr>
<td>Double</td>
<td>550.00*</td>
<td>332.00</td>
<td>882.00</td>
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CHAFFEE HALL:

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<thead>
<tr>
<th></th>
<th>BOARD</th>
<th>ROOM</th>
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<tbody>
<tr>
<td>Single</td>
<td>550.00*</td>
<td>394.00</td>
<td>944.00</td>
</tr>
<tr>
<td>Double</td>
<td>550.00*</td>
<td>342.00</td>
<td>892.00</td>
</tr>
</tbody>
</table>

For Payment Schedule, see section under Housing.

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

*Includes 3% Idaho Sales Tax ($16.02).

RESIDENCE

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

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

(b) Any student, legal voting age or older, who has continuously resided in the state of Idaho for six (6) months next preceding the opening day of the period of instruction during which he proposes to attend the college or university. Provided, however, that no student shall be deemed to have gained residency while attending any college or university in the state of Idaho.

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

(d) The spouse of a person who is classified, or is eligible for classification, as a resident of the state of Idaho for 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 under the legal voting age whose parent or guardian is a member of the armed forces and stationed in the state of Idaho on military orders. The student, while in continuous attendance, shall not lose his residence when his parent or guardian is transferred on military orders.

(g) A person under the legal voting age, married, and who together with spouse has continuously resided in the state of Idaho for six months next preceding the opening day of the period of instruction during which he proposes to attend the college or university. Provided, however, that no student shall be deemed to have gained residence while attending any college or university in the state of Idaho.

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

(legal voting age is defined by BSC to be 18 years of age or older)

REFUND POLICY

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

<table>
<thead>
<tr>
<th>Period</th>
<th>Refund Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before classes begin</td>
<td>100%</td>
</tr>
<tr>
<td>(Less registration procedure charge of $15.00)</td>
<td></td>
</tr>
<tr>
<td>During first 2 weeks of classes</td>
<td>75%</td>
</tr>
<tr>
<td>During 3rd and 4th weeks</td>
<td>50%</td>
</tr>
<tr>
<td>After 4th week</td>
<td>NO REFUNDS</td>
</tr>
</tbody>
</table>

This policy also pertains to part-time students, including special evening classes. No special consideration is to be given to late registrants in extending the refund policy, and these students will not receive a refund on any portion of the late registration fee. The college reserves the right to deduct from the refund any outstanding bills. An itemized statement of deductions will be forwarded with the refund.
GENERAL INFORMATION

Fees and Charges

check. Upon completion of the withdrawal process, a refund check will be prepared and issued in approximately two to three weeks from date of withdrawal.

DELINQUENT ACCOUNTS

The cancellation of the registration and withholding of academic credit of any student with a delinquent account or an unsatisfactory financial relationship with the business office is authorized without notice if the student has been contacted. This regulation may be invoked at the discretion of the Coordinator of Administrative Services in cases of disregard of the settlement of returned checks, loss of property or breakage, dormitory or housing breakage, library fines and losses, telephone toll charges, overdue notes, etc.

DISHONORED CHECK POLICY

A charge of $5.00 will be assessed each time a check is returned; this amount will be charged to the student and he will be notified. If not cleared within 10 days, a second notice will be sent and a "hold" placed on his records.

Any check that is registered in payment of registration fees and subsequently returned by the bank will result in automatic postponement of the student's registration and the student will be subject to a late registration fee.

HELD PACKETS

Registration Fees are due and payable at the time of Registration. If packet is not cleared by full payment within one class day of registration, the packet will be returned to the Director of Admissions, and the class cards put back in the files for other distribution. If financial assistance is required, the following possibilities are suggested:

1. Financial Aids Office
2. Bank Loan
3. Family Loan

Once a packet has been returned to the Director of Admissions for stripping, a subsequent registration is required when fees can be paid.

AUDITING OF ACCOUNTS

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

INSURANCE COVERAGE

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

Boise State College carries liability insurance covering all on-campus and official college functions including student activities.
student personnel services
PART II

student personnel services
SERVICES
STUDENT ACTIVITIES
HOUSING
ADMISSION REQUIREMENTS
ACADEMIC REGULATIONS
GRADUATION REQUIREMENTS
COURSE DESIGNATION SYSTEM
EXPERIMENTAL COURSES
Office of the Dean of Student Personnel Services

The office of the Dean of Student Personnel Services coordinates the activities of the various offices and departments of the College that provide direct service to the student. All services are considered supportive to the instructional program and are designed to provide direct assistance to students in the attainment of their immediate and long range educational goals.

The staff of the Dean of Student Personnel Services administers a student services program encompassing student government, housing, organizations and activities, health, College Union, counseling, financial aids, admissions, registration, placement, as well as High School and College relations.

Office of the Dean of Women

The Dean of Women is responsible for the general welfare of individual women students. Along with the Dean of Men, she serves as a professional resource for the Dean of Student Personnel Services. Much of her time is spent in individual counseling of women with personal, social or educational problems, as well as with residence hall, sorority, off-campus and organizational advising and programming. She is concerned with faculty-student relations and with research and programming on educational opportunities and career alternatives for women.

The Dean of Women's office administers and advises the Resident Advisor program, the operation of the women's residence halls, Interdormitory Council, Panhellenic Council, the individual sororities, and other women's organizations. She also conducts interviews with students withdrawing from Boise State College.

Office of the Dean of Men

The Dean of Men has the primary responsibility for the general and individual welfare of all male students. Along with the Dean of Student Personnel Services as a resource, back-up, and coordinating professional in all areas of student life. Specifically, he is involved with personal, academic, and social counseling, as well as with fraternity, residence hall, off-campus, organizational, and other advisory services, programs, and planning.

The Dean of Men's office administers and advises the Student Judicial system, eligibility certification, withdrawal from college, Interfraternity Council, Interdormitory Council, Resident Advisor program, Student Handbook, new organizations, individual student recommendations, and student-faculty-community relations.

Office of the Director of Admissions and Records

All matters relating to admission to the College and to credit for work at other schools and colleges are administered by the Director of Admissions. Applications for admission, and inquiries about admissions should be addressed to the Director of Admissions, Boise State College, 1907 Campus Drive, Boise, Idaho 83707.

In addition to admissions, this office has general administrative responsibilities for academic retention and readmissions activities, maintenance of student academic records, certification of completion of requirements for undergraduate degrees, registration procedures, and eligibility for athletic participation. This office also administers relations between students and the Selective Service Boards, Social Security Administration, and Veterans' Administration Affairs.

Office of the Registrar

The Office of the Registrar is responsible for direct maintenance of student academic records. All inquiries concerning credit earned at Boise State College or credit earned at some other institution should be made to The Office of the Registrar, Boise State College, 1907 Campus Drive, Boise, Idaho 83707.

College Union

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

Two spacious student lounges are available, one located on the first floor and one on the second floor. Both are equipped with fireplaces and provide a view of the entire campus. On the second floor of the Union are numerous meeting rooms and banquet facilities, a T.V. lounge, the Main Dining Room for boarding students, the Ball Room with a capacity of 900 and offices for the College Union Director, Associated Students, Alumni Association, and Arbiter.

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

Services

The College Union is governed by the College Union Board of Governors, which consists of eight student members, three faculty members, four administrative members and an Alumni representative. The Board recommends policy to the College President regarding building usage and general programs. A full-time Director and staff are employed to operate the College Union Building.

Bookstore

The Bookstore is operated by the College as an official source for all textbooks, study aids, and other school supplies needed by students. Located in the College Union, the Bookstore has textbooks available for every course offered by the College. Used books are stocked for resale wherever possible.

Also offered is a wide variety of merchandise for sale. This ranges from precision drafting equipment and writing materials needed for class use to toilet articles and the latest books. Also available in the store are art supplies, greeting cards and stationery, and a large paperback book section for the student.

Health Service

The Student Health Service safeguards the health of students through health education, preventive medicine, and therapeutic care. The purpose of the Health Center is to furnish the students with convenient first-rate medical care at a reasonable cost.

All full-time students should be familiar with the provisions of the Health Service. The health fee entitles the student to receive general medical care and consultation during clinic hours. All available community services are utilized. Some services deemed the responsibility of the student and not included as part of the health plan are: dental care, eye glasses, allergy tests, routine physical examinations and management of special and chronic diseases.

The privileges are not available to members of the student's family or faculty and staff. Inquiries regarding the medical examination of health requirements for admission may be made direct to the Student Health Center, Boise State College, 385-1459.

Placement Service

Placement Service provides assistance to students and alumni who are seeking career employment. Basic services include:

1. Career Planning and Information. The Director of Placement Services is available to provide information and assistance regarding career choice and placement opportunities. Placement Services also has a growing library of recruiting literature, annual statements, the COLLEGE PLACEMENT ANNUAL, and other career references.

2. Credential Service. By establishing a placement file with Placement Services, a student may assemble a permanent file containing all the vocationally significant data about himself at a time when instructors and administrators remember him best. Once a file is established, copies may be sent to prospective employers. Students are encouraged to establish credential files early in the year they plan to graduate.

3. On-campus Interviews. Students and alumni are also welcome to interview with the employers recruiting on the campus. Each year, representatives from business, government, and educational institutions arrange for interviews in the Placement Services Office.

Placement Services also maintains information on off-campus part-time, summer, and Christmas employment for students and their spouses. Upon completion of semester registrations, student applications for employment must be filed in person at the Placement Services Office, Room 124, Administration Building. No fee is charged for any of these services.

Center for Counseling, Testing and Guidance

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

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

Alumni Affairs Office

The Alumni Office is located on the second floor of the College Union Building. Robert Willcuts, Director, also coordinates activities of the Boise State College Alumni Association, a voluntary organization, incorporated in 1967. Membership includes all graduates and entitles them to receive alumni news publications, placement services, use of College Union and Library facilities. The objectives and goals of the association are to maintain contact with graduates and former students and to promote their interest in and support of the College. The office publishes
a quarterly magazine and periodical mailings keep the alumni informed of the changes taking place on campus. All members are urged to keep the Alumni Office informed about changes of address, employment status, marriages, births, and other information of interest to fellow class members. Students and alumni are welcome to visit at any time during regular office hours.

High School and College Relations

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

This office works closely with all of the other offices within the framework of Student Personnel Services.

Student Relations Coordinator

The office of the Coordinator of Student Relations correlates all student inter-personal experiences in directing the students’ quest to become responsible persons. He serves the students of Boise State College by hearing, investigating, and seeking fair solutions to both academic and non-academic problems. He researches the students’ opinions and encourages others to consider their point of view. He coordinates campus volunteer programs with the Director of Activities and serves as liaison officer with the community in establishing a meaningful campus ministry program. Humanistic values are emphasized in all student personnel services to promote the individual dignity and unique worth of each student.

STUDENT PERSONNEL SERVICES

FINANCIAL AIDS

A. General Information

Purpose

The primary purpose of the Financial Aid Program on the Boise State College campus is to provide financial assistance and advice to students who would be unable to pursue their education at the College without such help. In implementing this purpose, the BSC Financial Aid staff recognizes that the financial need of an individual student is related to his educational and vocational plans and, very often, with health or adjustment aspects of his development. Thus, the financial aid effort is concerned with assisting students in many ways. In addition to counseling with both students and parents, the BSC Office of Financial Aids administers a comprehensive program of scholarship, service awards, grants, loans, and employment which may be offered to qualified students.

The amount and type of aid a student may receive is determined by his need factor and his academic potential. Need is determined through the Parent’s Confidential Statement. Each student applying for aid through the College is required to submit this confidential statement to the appropriate agency for evaluation. (See special note F)

Boise State College participates in the College Scholarship Service (CSS) of the College Entrance Examination Board. Participants in CSS subscribe to the principle that the amount of financial aid granted a student should be based upon financial need. The CSS assists colleges and universities and other agencies in determining the student’s need for financial assistance. Entering students seeking financial assistance are required to submit a copy of the Parent’s Confidential Statement (PCS) form to the College Scholarship Service, designating Boise State College as one of the recipients, by February 1.

The PCS form may be obtained from the high school counseling office; College Scholarship Service (Box 176, Princeton, New Jersey 08540, or Box 1501, Berkeley, California 94701); or the BSC financial aid office.

Academic ability is based on the student’s past performance. While forms of financial aid require that the student meet minimum entrance requirements, scholarship aid requires that he show outstanding scholarship promise.

The following completed requisites will enable an applicant’s name to be placed on the list of students being considered for awards:
1. Complete Admission Requirements (See page 27).
2. College transcript (if transferring).
3. ACT scores.
4. Aid Application, recommendation, and a financial statement filed.
B. Scholarship, Service Awards, and Grants

Scholarships

Scholarships are administered by the Faculty Scholarship Awards Committee from material compiled by the Director of Financial Aids.

New student scholarships at Boise State College are designated in the following areas:

- **Academic Achievement Scholarships.** Awarded to students of superior achievement.
- **Student Leadership Scholarships.** Awarded to students who have displayed leadership ability in class offices, clubs, and organizations.
- **Performing Arts Scholarships.** Awarded to those who have demonstrated superior talent in music, art, drama, and debate.
- **Special Talent Scholarships.** Awarded to students who have demonstrated some superior ability or accomplishments.

Service Awards

A substantial number of awards are made to students with financial need on the basis of and in recognition of their abilities in special areas of the academic or co-curricular program, i.e., music auditions, student publications, marching and stage band, drill team, science competition, business and distributive education.

Boise State College also administers funds on behalf of donors or sponsors who wish to select the recipient themselves, but who wish to disburse the money through the college. These scholarship funds provided by foundations and trusts are listed periodically in a financial aids bulletin available on request from:

Director of Financial Aids
Boise State College
Boise, Idaho 83707

The bulletin includes a comprehensive financial aids application. Once a student has an application filed, he will automatically be considered for all available scholarships for which he is eligible. (It is not necessary to apply for a specific scholarship.) Last date for filing is March 1, for the following academic year.

Grants

Boise State College participates in several grant programs including Educational Opportunity Grants, Law Enforcement Education Program grants, and Nursing Scholarships, all funded by the federal government. Because of periodic changes in the program and allocations of funds to the College, students should contact the Director of Financial Aids requesting the comprehensive financial aids application mentioned above, and file a PCS.°

C. Loans

Boise State College participates in the National Defense Student Loan Program, Law Enforcement Education Program Loan, and Nursing Student loans for which information is available in the financial aids bulletin. A comprehensive application and financial statement* is required for consideration.

College Short-Term Loans

Loan funds on a short-term repayment basis are available for full-time students who maintain a 2.00 grade average or better. Repayment in full must be made by the end of the semester. A $1.00 service charge is assessed. Part-time on-campus employment is often available to help meet individual loan obligations.

Since its origin as a junior college in 1932, Boise State College has been the recipient of a considerable number of loan funds established by organizations, service clubs, and individual memorials. A list of these funds is available on request from the Director of Financial Aids, and will be published in the next issue of the financial aid bulletin.

Federally Insured Student Loan Program

Federally guaranteed loans for college students were authorized by Congress in the Higher Education Act of 1965.

Loans can be made by banks, credit unions, and other lending institutions directly to students upon certification by the Director of Financial Aids. Repaying is guaranteed to the lending institution by the federal government in the same way that an FHA mortgage is guaranteed.

A student receiving this loan will make no repayment until the first day of the tenth month after he completes his education. Payments shall be not less than $30 per month. If his loan is for $2,000 or more, he may have from five and/or ten years to repay. His payments may be deferred up to three years if he enters active service in one of the armed forces or the Peace Corps.

The maximum loan for an academic year for an undergraduate is $1,500 to a total of $7,500 in his undergraduate years. The interest rate on these loans is 7 per cent per year.

Students may obtain application forms from their home-town lending institution for a Federally Insured Loan. It is recommended that the student call the Financial Aids Office of the College to obtain the current status of the loan program before he begins the application procedure.

Upon completion of the personal information portion of the application, the form should be submitted to the Financial Aids Office at BSC where the Educational Data portion will be completed and signed by the Director of Financial Aids. The form will then be returned to the student for his submission to his own bank or other lending institution. Residents of various states may be eligible for guaranteed loans such as United Student Aid funds and other state programs for which information is available from lending institutions and from the Director of Financial Aids.
D. Student Employment

College Work-Study Program

The College participates in the College Work-Study Program administered by the United States Office of Education. To be eligible for this program a student must be accepted for enrollment as a full-time student or be in good standing if currently enrolled. A student’s eligibility further depends upon his need for employment to defray college expenses with preference given to applicants from low-income families.

Part-Time Employment

Other job opportunities are offered to students who need to work and who do not meet the financial need requirements for the College Work-Study Program. On-campus part-time work opportunities are available in various departments, offices, and agencies of the College. At the time of an interview the financial aid officer will determine if referrals can be made for on-campus employment. Should no employment availability exist this information compiled by the student is transmitted to a placement services file. A placement office is maintained on campus to help students secure part-time employment in private businesses, industry and other employers in the College community, provided the student can meet the requirements established by the employing agency.

E. Liaison

The Financial Aids Office cooperates with numerous agencies and offices so that information and referrals can be shared. The comprehensive financial aid application completed as accurately as possible and substantiated by a Parent’s Confidential Statement is vitally important in financial aid assistance to new students, as well as transfer or continuing students. Records are maintained by the financial aid office during each succeeding period of the student’s enrollment so that renewal assistance can be expedited.

*SPECIAL NOTES

The American College Testing Family Financial Statement may be substituted for the previously endorsed financial statement (PCS).

Federally supported programs of student financial aid and BSC programs require documentary proof of the financial need of a student seeking aid. Those students:

1. unable to file the Parent’s Confidential Statement (CSS) or Family Financial Statement (ACT), or;
2. considering themselves “independent” of parental support. CANNOT BE CONSIDERED without a notarized statement that incorporates the following: “I, as parent or guardian of ........................................................................................................ provided no financial support to cover his cost of education for the previous year, 19..............
He resided in my home .......... months in that year. I did not claim him as an exemption for Federal income tax purposes in that year.

“Further, I hereby certify that I do not claim him as an exemption for Federal income tax purposes in this current year, 19.............. He has resided with me for .......... months in this current year, 19..............

........................................................................................................
Signature of Mother, Father or Guardian

Subscribed and sworn to (or affirmed) before me this .......... day of .......... A.D. at .............. City ..............
State.
...............................................................................................
Signature and Seal of Notary Public

21
Program Center
The Program Center, located on the first floor of the College Union across from the Bookstore, acts as the central office for all campus activities. It houses the College Union Program Board (CUPB) Offices, the Union Program Office, and has mailboxes and filing cabinets for the various campus organizations. Come to the Program Center to obtain any information regarding campus activities.

College Union Program Board
The College Union Program Board (CUPB) is composed of 15 student committees which have the responsibility for planning and implementing a well-rounded activities program at Boise State. There are about 150 positions available to students each year on the various CUPB committees such as Pop Concerts, Classical Concerts, Pop Films, Foreign Films, Lectures, Coffeehouses, Art Shows, etc. Students are urged to apply in the Program Center.

Student Organizations
On the Boise State College campus there are a large number of student organizations covering almost every area of student interest. There are student chapters of professional organizations, special interest groups and other extracurricular organizations. These organizations and groups provide broad opportunities for student participation.

Further information on student organizations may be found in the student handbook or by contacting the Program Center in the College Union.

Student Government
Every full-time student who has paid his ASBSC fee is officially a member of the Associated Students of Boise State College (ASBSC).

The fee that each full-time student pays to student government is used to fund a complete social program, a student newspaper, a yearbook, a complete men's and women's intramural and recreational program, a drill team, a marching band, cheerleaders, and partially fund such programs as drama, debate, choir and community symphony.

Other related programs administered by student government would include Homecoming, Parents' Day, All-Idaho Week, a Draft Counseling Center, a volunteer placement bureau, a family-planning information center, a part-time lawyer available to all students, a campus beautification program and the funneling of student opinion into every faculty or administrative committee dealing with the governance of the College.

Religious Activities
Students are encouraged to participate in local churches. Several religious groups have buildings for students near the campus. Most groups affiliated with Boise State College meet in the College Union for discussions and fellowship.

All Faiths Council is composed of student representatives or recognized religious organizations on campus. Together with the Coordinator of Religious Activities, who is also Coordinator—Student Relations, the Council promotes and coordinates religious activity. This includes not only Christian and Jewish organizations but also the great Eastern religions. The Council encourages and assists new groups to form on campus and receive recognition from the A.S. Senate.

Student Publications
A number of student publications are printed during each school year to serve as sources of information for new students, to report the many events of interest to the campus community, and to record the year's activities.

The Arbiter is the official newspaper of the students of Boise State College. Staff positions are open to full-time students interested in journalism, not necessarily journalism majors.

Les Bois is the college annual published by the Associated Students. The editor is appointed each year by the ASBSC President and other positions on the staff are open to all interested full-time students.

Social Fraternities and Sororities
Boise State College has a number of national social fraternities and sororities. Local chapters of Alpha Chi Omega, Alpha Omicron Pi, Alpha Xi Delta, Delta Delta Delta, and Gamma Phi Beta for women, as well as Kappa Sigma, Sigma Tau Gamma, Beta Sigma Chi, and Tau Kappa Epsilon for men are active on campus. Membership in these fraternities and sororities is by invitation only. Students interested in obtaining more information about them should write directly to the Office of the Dean of Men or the Office of the Dean of Women.

Band, Orchestra, and Choir
The Music Department provides opportunity for music students, as well as other interested students who can qualify, to participate in the Boise State College orchestra, bands, choirs, and smaller ensembles.

Drama
All students with the required grade point average are eligible to try out for a large repertoire of student plays and drama productions.
ACTIVITIES

Debate

Members of the Debating Team travel many thousands of miles each year to engage in intellectual competition with schools from across the country. Proficiency in critical thinking, public speaking and the ability to investigate and intensively analyze significant contemporary issues are the goals sought by students involved in this activity. Financed primarily from the Associated Students of Boise State College budget, it is open to all students who wish to participate.

Athletics

The College encourages athletics as a part of its educational program, with all intercollegiate sports directed and controlled by the Athletic Director, and his staff.

Teams have been organized in football, cross-country, basketball, wrestling, skiing, baseball, track, and tennis. Intercollegiate varsity and freshman athletic events are played under the rules of the National Collegiate Athletic Association (NCAA), of which organization the College is a member. Eligibility to participate is determined by the Boise State College Athletic Board of Control.

The ASBSC and the Department of Physical Education through the Recreation Board provide intramural sports as a recreational opportunity for all students not actively engaged in intercollegiate athletic competition. Intramural participation is free to all students.

ELIGIBILITY FOR EXTRA-CURRICULAR ACTIVITIES

1. In order to represent Boise State College or any student organization in any extracurricular activity of an intercollegiate nature such as: Debate, Student Conferences, Fraternal or Organizational Conferences, class related activity junkets, Cheerleader and/or Broncettes trips (except athletics) a student must:
   a) Not be disqualified or suspended from the college or on academic, social or conduct probation.
   b) Be currently enrolled as a full-time student.
   c) Have earned at least a 2.00 Cumulative GPA during his previous semester at this College and carried a full-time load during said semester.
   d) Have a 2.00 Cumulative GPA or better. The ABSSC President, Vice President, Treasurer, and Senate members shall have a minimum 2.25 cumulative GPA standing at the time of election to office.
   e) If a first semester Freshman, have written approval of his ACADEMIC advisor.
   f) If a first semester transfer student, have written clearance from the Student Personnel Services Office.
   g) All candidates for extracurricular activities must be certified by the Dean of Men's Office before election or participation. Eligibility certification is valid for one semester and must be renewed.

2. Exceptions

Rules 1a and 1c do not apply to students engaged in activities that are required as part of a class: students participating in intramural sports or intercollegiate athletics.

Intercollegiate Athletic Eligibility

Students participating in intercollegiate athletics must comply with the eligibility rule of the National Collegiate Athletic Association. Specific information concerning individual eligibility may be obtained from the Athletic Director at Boise State College.

Student Conduct

Upon enrollment the student and the college enter into an agreement of mutual responsibility for maintaining order and standards as well as preserving the educational purpose and function of that relationship. The College is obligated to advise the student of established policies and procedures whereas the student is obligated to conduct himself as a responsible member of the college, and larger community.

As representatives of the college, students are expected to conduct themselves in a manner which will bring credit to themselves and the College. Standards of behavior should reflect good taste, courtesy, consideration and respect for the rights of fellow students.

Being a student at Boise State College does not relieve the individual of his responsibility to society and its laws. College sanctions may be imposed on a student apprehended by a law enforcement agency or appearing in a civil court, where his conduct significantly interferes with the College's educational responsibility to all members of the College community. This policy does not in any way constitute double jeopardy.

Disciplinary Sanctions

Disciplinary action for misconduct on or off the campus may include payment of damages, fines and/or constructive services, or one of the following:

1) Admonition—An expression from the administration, generally in the form of a verbal warning or caution, that the expected standard of conduct is not being maintained. Used principally with first time minor infractions.

2) Censure—An expression of disapproval or condemnation of a specific act against the standard of conduct—generally in writing—with a possible loss of a minor privilege.
(3) Conduct Probation—generally a written warning, with or without a judicial hearing signifying that additional disregard for the standard of conduct will constitute grounds for suspension or expulsion. Usually a minimum time period is specified.

(4) Disqualification—disciplinary action excluding the individual from participating in certain activities or privileges for a prescribed period of time. A loss of a privilege, i.e., relinquishing a student office.

(5) Suspension—An administrative or Student Hearing Board action terminating registration, with a possible loss of academic credit, for a prescribed period of time. Re-enrollment must be requested by petition.

(6) Expulsion—an administrative or Student Hearing Board action permanently terminating a student’s registration at the institution. Readmission is possible only by action of the President of the College.

Appeals Procedure

(1) Appeals concerning traffic violations are filed with the Director of Buildings and Grounds and heard by the Appellate Traffic Council.

(2) Appeals from a lower judicial body should be made to the next higher body, i.e., ASBSC Judiciary or Student Conduct Board, through the Dean of Student Personnel Services Office. All appeals must be in writing and submitted within one week (7 days) of the decision with copies to the original and last judicial body. The appeal should include the reason for the appeal and new evidence not considered by the original committee or council.

(3) Appeals from decisions of the Student Conduct Board may be made to the President of the College through the Dean of Student Personnel Services Office. The appeal must be in writing giving full details of the case and specific evidence or justification for the appeal within one week (7 days) of the previous decision.

Procedural Due Process and Right of Appeal

Fair play in all situations involving serious disciplinary actions is a right of every student. This is especially true in cases where conduct probation, suspension or expulsion are imposed or where an adverse notation may be made on a permanent record. In such cases, due process will consist of:

(1) Adequate written notice of the charges. Normally said notice is sent from the appropriate Dean’s office.

(2) The opportunity for a fair hearing by allowing the student to appear alone or with another person to assist or advise him; to hear the evidence, its nature and source, and to offer evidence in his own behalf.

(3) The right of the student to question the source of the evidence and to be heard by those in charge of the hearing.

(4) The right of the student to be heard by committee, board, or appropriate official.

(5) The right of the student to appeal the decision to the next highest authority and to be advised of the procedure.

STUDENT HOUSING

All single students under 21 years of age who are not living at home or with relatives will be required to live in college residence halls insofar as space is available, or in a sorority or fraternity. Fraternity or sorority members and pledges must obtain approval to live in their respective houses. Any student who reaches the age of 21 years during the semester for which he has made application to the college will be considered to be 21 years of age for housing assignment purposes. Exceptions to this policy must be approved by the Dean of Men or the Dean of Women.

The Boise State College Residence Hall Application-Contract initiated at the beginning of the academic year is binding for the entire school year (fall and spring semesters). Thus the student who enters into a housing agreement with the college is committed to living in a college residence hall for the entire school year. Breach of contract will obligate the student for the full amount of the contract.

All students are required to report any change of address (temporary or permanent) to the Dean of Men or the Dean of Women prior to moving. Students living...
off campus or at home are subject to the same standards of conduct expected of students living in college housing or residence halls.

A. Director of Housing

The Director of Housing and his staff are responsible for all student housing on and off the campus. The Director prepares student housing policies and procedures, conducts housing programs and surveys, and has the responsibility of accounting for housing and food service income. The office also supervises all married student housing and assignments; plans for redecorating, maintaining, and refurnishing of all college housing facilities; promotes the listing of public housing with the college for student use; supervises the records kept of available and occupied residence hall facilities and community housing; coordinates the housing program with the Dean of Student Personnel Services, Dean of Men, Dean of Women and other staff concerned with housing programs.

B. College Residence Halls

The College currently maintains four residence halls with accommodations for approximately 760 students. Living conditions are comfortable and conducive to successful academic progress. They also contribute to and encourage participation in the wholesome activities of college life. The women’s residence halls (the new Towers, Driscoll and Morrison) will accommodate approximately 456 students while the men's residence hall (Chaffee) is designed to house 300 students.

The new Towers Dorm, located on the west end of the campus, has seven stories and accommodates 300 students. It is carpeted and air-conditioned, with study lounges and laundry facilities.

Driscoll and Morrison Halls, located on the Boise River, are virtually identical, with forty-eight single and fifteen double rooms arranged into ten suites of from six to eight women each.

Chaffee Hall is divided into two separate three-story units of approximately fifty men to a floor living in twenty-four double rooms, two single rooms and a Resident Advisor's room per floor. Each student room is equipped with a telephone. Both units are connected by enclosed corridors to a Central Lounge and Control Unit. Each floor of Chaffee Hall is in a sense a separate living unit with a small informal lounge, study room, kitchenette, and laundry facilities.

Laundry facilities are available in each of the residence halls. Linens (sheets, pillow, pillow cases, and bath towels) are not provided and the student must also furnish blankets (2), iron, and a study lamp (lamps are not needed in Chaffee Hall or the Towers). All residents are required, as part of the housing contract, to take their meals in the College Union dining room. Students in the residence halls and others who have meal tickets are expected to dress for Sunday dinners.

Applications for room reservations should be made as early as possible. Contract for residence hall accommodations are for room and board for the entire academic year. Applications must be made on an official contract form and accompanied by a security deposit of $35.00.

#### MEAL SERVICE CALENDAR

(For the Year 1972-73)

**Fall Semester**—August 29, 1972 through December 21, 1972. (Except Thanksgiving Vacation, November 23 through November 26, 1972.)

**Between Semesters**—December 22, 1972 through January 8, 1973. Meal Service will be suspended and the Snack Bar will be closed.

**Spring Semester**—January 9, 1973 through May 17, 1973. (Except spring vacation, March 17 through March 25, 1973.)

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

C. Application Procedure

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

**Director of Housing**

Boise State College
1907 Campus Drive
Boise, Idaho 83707

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

1) A completed application-contract is sent directly to the Boise State College Housing Office with:
a. A $35.00 security deposit. Check or money orders should be made out to Boise State College. This deposit is not to be construed as a partial payment for the cost of room and board. It is held (after assignment) as a damage deposit and is refundable when the student permanently moves out of the residence hall as specified in Residence Hall Contract Conditions. Form IA. Security deposits are forfeited if cancellation of a room assignment is not received prior to August 1 for the Fall Semester and January 3 for the Spring Semester.
b. Signature of parent or guardian for students under twenty-one.

2) After the items above are processed a tentative room assignment is made and the student notified.

3) This room assignment is officially confirmed after the student contacts the Housing Office to pay or make arrangements for room and board. The student will be advised of his specific room number when he moves into his hall.

ACCEPTANCE AND PROCESSING OF THE CONTRACT BY THE DIRECTOR OF HOUSING DOES NOT CONSTITUTE APPROVAL OF ACADEMIC ADMISSION TO THE COLLEGE. AND APPLICATION FOR ADMISSION IS NOT AN APPLICATION FOR HOUSING.

D. Off-Campus Student Housing

All unmarried students under 21 years of age must petition and obtain the written approval of the Dean of Men or the Dean of Women to live off campus. Lists of available housing are on file in the Housing Office. The college does not inspect the accommodations; parents and students must accept full responsibility for the selection. The college recommends that students and parents make written agreements with landlords concerning the obligation and expectations of each party.

As a matter of policy, assignments to College Residence Halls and other housing facilities are made without reference to race, creed or color, and the College expects privately owned accommodations offered through its listing service to be operated in the same manner. Listings are accepted only with this understanding.

Students over 21 years of age and/or married need not obtain approval but are welcome to contact the Housing Office for assistance.

All students are required to report any change of address, both temporary and permanent, to the Dean of Men or the Dean of Women.

E. Married Student Housing

Eighty-four housing units are available for full-time (8 credits or more) married students. Rates for apartments are $60.00 to $65.00 for one bedroom, $70.00 for two bedroom and $75.00 for three bedroom. (Charges are subject to change without notice.) Electric refrigerators and ranges are installed in each apartment. Con- operated washing machines and dryers are located on the site. Heat, water, hot water, and trash service are furnished; other facilities are not furnished.

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GENERAL RESIDENCE HALL REGULATIONS

Occupancy of a Hall is a privilege extended to the student by the College. The continuation is dependent upon his or her reasonable and satisfactory personal conduct and the observance of all College regulations. (Specific Hall regulations are covered in separate Hall handbook publications.)

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

2. The College respects the students' right to privacy; however, the College reserves the right to enter a student's room at any time for health, safety, welfare and maintenance purposes.

3. All Residence Hall contracts are for both room and board. Contracts for room only are not available.

4. Room and board payments for the academic year become due and payable upon receipt of the letter of temporary assignment; confirmation of a room assignment cannot be made until financial terms of this contract are met by total payment or the three specified installments. Arrangements for payment other than the above must be made directly with the Housing Office.

5. Students will be responsible for the furniture and fixtures in their rooms and for College property within the Hall. Where individual responsibility for damages can be determined, the individual will be charged. Otherwise, the charge will be made against the Hall or floor organization and prorated among the students living in that suite, floor, or area at the time the damage occurred.

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

7. Participation in fire drills is mandatory. Residents who fail to comply with this requirement and do not vacate the Hall when the alarm rings may be asked to move out because the College cannot then accept responsibility for their safety.

8. Anyone found turning in a false alarm, tampering, damaging or in any way using fire equipment or safety apparatus for other than its intended use may be immediately dismissed from the residence hall, fined, and subject to further action by the College authorities. Electrical wiring or alteration of existing wiring by students is prohibited.

9. The use and/or possession of alcoholic beverages on campus is prohibited. This includes the display of empty alcohol containers in individual rooms or elsewhere.

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

11. Social Fee: There is a social fee levied at each dormitory in the amount of $10.00 a year, payable at check-in time.

12. Possession of firecrackers, gunpowder and/or other forms of explosives is prohibited.
Admission Requirements to the College

Applicants for admission must be at least 16 years of age. See Graduate Bulletin for admission requirements to the Graduate School.

CREDENTIALS

Students applying for admission to Boise State College as full-time students (8 or more hours) are required to furnish the following material:

1. An application for admission must be completed and submitted. A $10 fee (Non-refundable) will be assessed at the time of initial full-time matriculation and should accompany the application.

2. An original transcript or transcripts of high school credits showing four completed years of school, signed by the principal, superintendent, or other authorized official. Early acceptance may be obtained at Boise State College on the basis of a six-semester high school transcript showing cumulative Grade Point Average of 2.50 (C+) or better, if other factors in matriculation are satisfactory.

3. Official transcripts and statements of honorable dismissal from each institution attended after high school graduation. Transcripts must be sent directly from the institution to the Director of Admissions.

4. Completed physical examination.

5. Official scores from the American College Testing Program (ACT). Tests are administered five times each year to high school seniors throughout the nation. Students who miss the regular tests will be tested during registration week for an additional $12 fee. Other national test scores are not utilized.

6. Applicants for Vocational-Technical programs must take the General Aptitude Test Battery (G.A.T.B.) at any State Employment Security Agency. The ACT tests are not required, but recommended, for some Vocational-Technical applicants.

Students applying for admission to Boise State College as part-time students (7 or fewer hours) need to furnish only a completed application.

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

Students who profess objections to physical examinations because of religious tenets will be excused from completing the physical examination form as prescribed above and a written certification of such objection will be filed with the Student Health Center.

Certificate of Admission—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 before registration to settle any questions that may arise and to receive by mail a Certificate of Admission one week before registration. Before a student may register, he must have a certificate signed by the Director of Admissions.

Students who complete matriculation after the cut off date must pick up their Certificate of Admission in the Director of Admissions Office.

Veterans attending under the G.I. Bill of Rights (Chapter 34) or under the War Orphans Act (Chapter 35) must, upon registration, present a Certificate of Eligibility. Those attending under Chapter 31 (Rehabilitation Program) or any other provision of Title 38 United States Code, must present an Authorization of Entrance or be charged tuition and fees. Upon presentation of this Authorization, complete refund will be made.

Veterans attending either full or part time must have transcripts from previous schools sent to Boise State College.

For information concerning the G.I. bills contact the Veterans Administration Center first.

A. ADMISSION AS REGULAR STUDENTS

By Certificate—Admission to the College is based upon credentials showing graduation from an accredited high school and presentation of 15 acceptable units earned from the ninth grade through the twelfth as listed below under Summary of High School Requirements. Twelve units must have been earned during the tenth, eleventh, and twelfth grades.

A "unit" represents a high school subject taught five times a week in periods of at least 36 weeks. A certificate of secondary school records should be filled out and signed by the superintendent, principal, or other official of the school in which the work was done. It should show the length of each course in weeks, the length of each recitation, and the grades of scholarship attained, including a record of all failures and conditions. All certificates accepted toward admission to Boise State College become the property of the College, and are permanently filed among its records. They cannot be returned to the student.

Academic units shall be defined as English (composition and literature), foreign language, mathematics, social studies, and natural science.

Elective units may be taken from the academic subjects named as well as from vocational and other subjects commonly given in high schools with the following exceptions:

(a) Spelling, penmanship, reviews, project work in conjunction with regular courses, and work which is primarily of the nature of extracurricular activities.

(b) Less than one unit in foreign language, shorthand, typing or bookkeeping.

(c) Less than one-half unit in any subject.

(d) More than one unit in physical education and one in ROTC or two in ROTC.
SUMMARY OF HIGH SCHOOL REQUIREMENTS
For Basic Lower Division College Curricula
Minimum requirements:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Elementary Algebra</td>
<td>1</td>
</tr>
<tr>
<td>Plane Geometry</td>
<td>(1)</td>
</tr>
<tr>
<td>Social Studies</td>
<td>2</td>
</tr>
<tr>
<td>Laboratory Science (from grade 10, 11 or 12)</td>
<td>1</td>
</tr>
<tr>
<td>Other Academic</td>
<td>2</td>
</tr>
<tr>
<td>Total Academic</td>
<td>10</td>
</tr>
<tr>
<td>Electives</td>
<td>5</td>
</tr>
<tr>
<td>Total Units</td>
<td>15</td>
</tr>
</tbody>
</table>

*Not required but recommended.
General Science is acceptable as an academic unit but not as a natural science.

Freshmen students who have graduated from an accredited high school will be considered for admission upon receipt of the various application materials and a high school transcript showing a date of graduation and signed by a certified member of the school district. If the student under consideration is below a 1.50 accumulative high school grade point average and does poorly on the ACT Series, he would then be asked to define in writing or through a personal interview his personal goals. Students who fall in this category are encouraged to work closely with the Admissions Office and Counseling Center.

A transfer student, whether resident or non-resident, should have a minimum accumulative grade point average of 2.00 from all other schools attended prior to being allowed to enter Boise State College. Borderline cases will be decided by the Admissions Committee with the exception of foreign students, who will be counseled by the Foreign Student Advisor.

ADMISSION POLICY FOR HIGH SCHOOL STUDENTS

High school students may attend Boise State College classes provided that:

1. A letter of request be written by the high school principal on behalf of the student indicating that:
   a. The student is doing above average high school work
   b. That the college course will not interfere with the student's high school program nor be an excessive burden for the student to carry
   c. That the student has the expressed permission of his parents and principal to engage in the college course
   d. That the specific course or courses desired be explicitly stated.

2. The decision concerning admission of high school students without complete credentials will be made by the Admissions Committee.

B. ADMISSION OF TRANSFER STUDENTS

Students applying for admission as full-time students (8 or more hours) to Boise State College as transfer students from other accredited institutions are required to furnish the following material:

1. Completed application
2. $10 matriculation fee
3. High school transcript showing graduation date
4. Official transcripts from all post-high school institutions attended
5. Evidence of good academic standing at most recent institution attended
6. Physical examination, reasonably current
7. ACT test scores or evidence of successful completion of one year of college-level English composition

Credit from non-accredited institutions will be accepted on the basis of the practice as reported in The Report of Credit Given By Educational Institutions by the American Association of College Registrars and Admissions Officers. Credit denied on the basis of such practice may be sought by examination.

Students transferring to Boise State College as part-time students (7 or fewer hours) need to furnish only a completed application.

C. ADMISSION BY EQUIVALENCY CERTIFICATE

Any application that is accompanied by a High School Equivalency Certificate will be processed exactly as it would be if a high school diploma were presented. Inquiries should be addressed to the State Department of Education, Statehouse, Boise, Idaho.

D. ADMISSION BY EXAMINATION

Applicants who have attained the age of eighteen years and who have achieved passing scores (45 or above) on all five of the General Educational Development tests will be admitted as Special Students (see below) in lieu of a high school diploma or an equivalency certificate, providing that the applicant has been away from high school for at least one year preceding his application.

E. ADMISSION AS SPECIAL STUDENT

Persons who are unable to meet requirements as regular students and desire to take special studies may be admitted on special status upon presentation of satisfactory evidence that they are qualified to do college level work.

A special student is not eligible to become a candidate for graduation until he has satisfactorily met entrance requirements or until he has completed 32 semester hours of work in the College with a grade point of 2.5 or better.

F. Admission to Vocational-Technical Courses

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

G. ADMISSION WITH ADVANCED STANDING

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

In accordance with Idaho statutes as approved by the State Board of Education, the acceptance of credits from Junior College is uniform for both certification and transfer purposes and no more than 64 semester hours or \( \frac{1}{2} \) the total hour requirement of the specific curriculum is established as the uniform maximum limit effective September 1, 1950.

H. ADMISSION WITH DEFICIENCIES IN GROUP REQUIREMENTS

Students who qualify for admission to the College but who fail to meet specific group requirements may be admitted with deficiencies to take courses for which they are prepared. All such deficiencies must be removed before graduation. Students entering with deficiencies will remove them by taking college courses, generally without college credit, or by taking work in a secondary school while taking part-time work at the college. College courses cannot be substituted for high school algebra and geometry. When college courses are taken to make up deficiencies, the time spent in such classes shall count twice as much toward making up deficiencies as does an equal amount of time spent in high school.

I. CHALLENGING COURSES—GRANTING CREDIT BY EXAMINATION

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

Each department shall have the option to allow or not to allow credit by examination for each course in the department. In those courses where credit by examination is allowed, the department shall have the option of using a standardized examination or an examination prepared within the department. The student attempting to earn credit by examination shall, upon receiving his score for the examination, apply it under one of the following options:

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

J. CREDIT VS. AUDIT REGISTRATION

If you take a course for credit, you will be expected to attend class regularly, complete required assignments, and take the necessary examinations. If you take a course on AUDIT basis, attending class, completing assignments, and taking examinations are all optional. Courses may be taken only once for credit; however, they may be audited again, if desired.

A student auditing a course may change his status from audit to credit up to and including the last day allowed for registering for courses for credit (see Calendar, page ). If a change is made, the student must pay any difference in a course cost and an additional $3.00 change-in-status fee. All changes must be initiated by the student.

A student may change from credit to audit up to and including the last day of mid-semester examinations. After that date and up to and including the last day to withdraw from classes a student may change from credit to audit only if he is passing at the time of the request. No fee adjustment will be made to the student by the College if the audit rate is less than the credit rate. All changes must be initiated by the student.

K. ACCEPTANCE INTO PROGRAM

A student must declare his major upon entering the upper division. The Registrar will evaluate the student’s transcripts for acceptance into the College. The student will be sent to an advisor for assistance in formulating a program to fulfill all requirements for his declared major. The student is ultimately responsible for the selection of courses for his major and the degree.
ADMISSION OF FOREIGN STUDENTS

Boise State College 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 College.

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 College. Arrangements to take the TOEFL examination may be made by writing directly to TOEFL, Educational Testing Service, P.O. Box 582, Princeton, New Jersey 08540, U.S.A. The test must be taken and the scores received by the College prior to a decision on admission of the applicant.

Financial Statement: All foreign students must present to the 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 College.

Health and Accident Insurance: Boise State College recommends that foreign students accepted for admission have health and accident insurance. Boise State College makes available such a policy to all registered 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, in addition, scores from the Admission Test for Graduate Study in Business.

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

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

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

ACADEMIC REGULATIONS

A. GRADING SYSTEM

A. Distinguished work—Four quality points per hour.
B. Superior work—Three quality points per hour.
C. Average work—Two quality points per hour.
D. Passing but unsatisfactory work—one quality point per hour.
F. Failure. No quality points per hour.
S. Satisfactory completion of certain courses.
U. Unsatisfactory completion of certain courses.
(NR) No report given
NC Non-graded course
Inc. Incomplete may be given in cases where work has been satisfactory up to the last three weeks in the semester. Work not made up within the first half of the semester after the student returns to college automatically becomes a failure unless special extension of time is granted by the instructor and Dean of the School. If an incomplete has been awarded and the student returns after a two years' lapse the automatic F rule does not apply. He may elect to remove the incomplete, re-enroll in the course or allow the incomplete to remain on the record. Incompletes not made up within four years automatically become W's and make-up privileges are forfeited.
W. Official withdraw indicating passing work. For procedure, see regulations (paragraph F) below.

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

In computing the grade point average of a student with repeat courses, only the most recently received grades and quality points shall be used for the first 16 credits repeated. In the case of further repetitions, the grade point average shall be based on all grades assigned and on all credits carried.
B. CLASSIFICATION OF STUDENTS

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

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

Students enrolled and classified during the first semester are not reclassified at the beginning of the second semester.

Students enrolled for 8 semester hours or more will be considered a full-time student.

A student who is carrying less than 8 hours will be classified as a part-time student.

C. ATTENDANCE AND ABSENCE FROM CLASS

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

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

D. Academic Probation and Disqualification

A student whose work is of such a character that it appears he cannot continue in the College with profit to himself and credit to the institution may be placed on probation and, subsequently, disqualified. In general, satisfactory performance means orderly progress toward graduation requirements with a cumulative grade point average of 2.0 or better.

Any student whose grade point average is 1.5 or lower following his first semester in college will be placed on probation. A student placed on probation for the second consecutive semester may, after a review of his record, be disqualified and dropped from the college.

A student may be denied permission to re-register in the college if, after at least two semesters, his cumulative grade-point average is twelve points below a grade-point average of 2.0. This calculation is made by multiplying by two the total credit hours in which he has been enrolled and subtracting twelve. If the answer so obtained is not exceeded by the student's total quality points, he will be subject to this regulation. Permission to re-enter may be denied.

A student disqualified for the first time for either of the above reasons may be permitted to re-register by one of the following methods:

1. Permitting a semester to elapse before applying for re-registration.

2. The student must obtain an official Application for Reinstatement form from the Dean of the School under which his major falls. If a student desires special consideration for the fall semester, his application must be on file no later than August 18, and no later than January 12 for consideration for the spring semester. In very special cases, a student who is disqualified as a result of his fall semester performance may have until noon of the first day of the following spring semester registration to file an Application for Reinstatement form, if his faculty advisor files a written petition on behalf of the student.

In the case of second or successive disqualifications, a student must follow item 2 above to secure reinstatement.

In either of the above instances, the student will re-register on probationary status.

A student may be dropped from the college rolls at any time his character and conduct are found to be generally unsatisfactory.

The President reserves the right to handle special cases involving probation or dismissal.

Students on probation shall take minimum loads and are not eligible to represent the College in any extracurricular activities. Students on probation during the second semester shall take a lighter load than formerly and should try other courses as a means of determining their aptitudes.

E. ADMISSION ON PROBATION

Students wishing to transfer to Boise State College from other colleges and universities must have a G.P.A. of 2.00 or above on all prior collegiate work completed or have cleared the probationary provision outlined above. Transfer students from other colleges and universities who have failed to clear probationary provisions outlined above may, upon written petition, be granted permission to enroll on probation by the Admissions Committee.

F. WITHDRAWAL

Withdrawal from Individual Courses. A student may withdraw from individual courses by securing a change in registration card from his advisor, which must be endorsed by the advisor and each instructor involved, then presented to the Registrar for signature, and then cleared with the Business Office. The date on which the Registrar signs the change card will be the official withdrawal date.

Complete Withdrawal from College. A student may officially withdraw from college (all courses) only by securing a withdrawal permit from the Dean of Men or Dean of Women, and having it signed by same. The Dean will advise the student of the offices he must clear with before presenting the complete withdrawal to the Registrar's Office. After clearance with the Registrar the student is sent to the Business Office for final clearance.

A student may withdraw prior to the end of mid-semester examinations (see specific date on College Calendar) without penalty for failing work. If the student withdraws after the end of mid-semester examinations, he may receive a grade of "W" only if his work is passing
as of the official withdrawal date and an "F" in all courses in which he is failing. A student may not withdraw from college or from individual courses during the last three weeks of a semester, including final examination week. Students discontinuing a course without having completed an official withdrawal shall be awarded a grade of "F."  

Right of Appeal:  
In cases where a strict application of this regulation seems—in the opinion of an instructor, advisor or a student—to work an unreasonable hardship, the matter will be referred through the Dean of Men or Dean of Women to the Dean of Student Personnel Services.

G. MAXIMUM LOAD  
No student shall be allowed to enroll for more than 18 hours without special permission from the Dean of the School in which his major falls, unless more hours are specified in his curriculum.

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

I. CREDIT FOR PREREQUISITES NOT TAKEN  
Students who have a sufficiently high G.P.A., or ACT score, or who pass a Departmental Placement examination may take designated courses without taking the listed prerequisite.  
Students who receive a grade of "C" or better for a course in which they have not taken the prerequisite course(s) will be given credit with a grade of "S" for that course(s) when the following conditions are fulfilled:
1. The student makes application for this credit.
2. Department Chairmen, Division Chairmen, and Deans will determine for which prerequisite course(s) this credit is appropriate.
3. In some cases, an examination covering the content of the prerequisite course(s) must be passed by the student.

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

K. UNDERGRADUATE ENROLLMENT IN 500-LEVEL COURSES  
Undergraduate students at Boise State College may apply up to a total of two 500-level courses (they would enroll under special status) toward the credit requirements for their undergraduate degree. Undergraduates in 500-level courses must have senior standing. 500-level courses may be applied to the required credits with additional credits from a field other than that chosen to satisfy the sequence requirement or  
2. Any three of the following courses:
   Biology—Concepts of Biology  
   Chemistry—Concepts of Chemistry  
   Geology—Fundamentals of Geology  
   Mathematics—Cultural Approach to Math  
   Physical Science—Foundations of Physical Science  
   Physics—Introduction to Descriptive Astronomy  

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

* Determined by student score on ACT exam. See page 32
Boise State College Graduation Requirements

A student must make formal application for graduation by filing with the Registrar the application form which is obtained at the Registrar’s Office. Normally this application should be submitted two semesters before the contemplated graduation. Graduation fees are listed in Part I of the catalog.

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

GENERAL COLLEGE REQUIREMENTS

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

English Composition

English composition, E 101 and E 102, must be successfully completed by all students with the following exceptions:

a. Students scoring in the 80th percentile or above on the ACT national norms are exempt from E 101.

b. Any student, with the recommendation and permission of the English Department may take the departmentally specified competency test and upon passing it be exempt from E 101.

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

BACCALAUREATE DEGREES

Minimum Graduation Requirements (Credits)

<table>
<thead>
<tr>
<th>ALL BACCALAUREATE DEGREES</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. General College Requirements (minimum)</td>
</tr>
<tr>
<td>A. Total credit hours</td>
</tr>
<tr>
<td>Must include:</td>
</tr>
<tr>
<td>1. English Composition</td>
</tr>
<tr>
<td>2. Upper Division credit hours</td>
</tr>
<tr>
<td>B. Grade Point Average for all courses taken</td>
</tr>
<tr>
<td>II. Other College Requirements</td>
</tr>
<tr>
<td>A. Minimum requirements for one of the degrees offered.</td>
</tr>
<tr>
<td>B. Specific requirements for a departmental major.</td>
</tr>
<tr>
<td>1. A student must have a minimum cumulative G.P.A. in all courses required by his major.</td>
</tr>
<tr>
<td>2. A student will not be allowed credit toward his major department requirements for any grade of “D” in upper division courses in his major department.</td>
</tr>
<tr>
<td>C. A minimum of 15 credit hours of electives outside of the major field.</td>
</tr>
</tbody>
</table>

III. Minimum Credit Hours in Residence

Minimum credit hours in residence: 30 credit hours of which the last 15 credit hours prior to graduation must be taken at the College during the regular or summer sessions.

IV. Extension, Correspondence and Religion Courses

Total hours of extension or correspondence courses that may be allowed: not more than 24 credit hours of which not more than 12 credits may be in correspondence study. Permission to take correspondence courses while in residence at Boise State College must be received in advance by filing an application for such courses with the Dean of the appropriate school.

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

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

V. Requirements for Additional Baccalaureate degree

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

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

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

VI. Requirements for Double Major

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

BACHELOR OF ARTS DEGREE
Minimum Requirements (Credits)

A. General College requirements—3 or 6 credits
   1. English Composition 3 or 6 credits

B. Area I requirements .......................... 12
   1. Literature 3
   2. Three credits in a second field
      Three credits in a third field
      Three credits in any Area I field
   3. Three credits from 2 may be in performance courses

Area I is composed of the following fields:
   Art AR
   Humanities HU
   Literature *
   Music MA, ME, MU
   Philosophy PY
   Theatre Arts TA

C. Area II requirements .......................... 12
   1. History 3
   2. Three credits in a second field
      Three credits in a third field
      Three credits in any Area II field

Area II is composed of the following fields:
   Anthropology AN
   Communications CM
   Economics EC
   Geography GG
   History HY
   Political Science PO
   Psychology P
   Sociology SO

D. Area III requirements .......................... 12
   1. A year’s sequence chosen from:
      Biological Sciences
      Mathematics
      Physical Sciences
      With additional credits from a field other than that chosen to satisfy the sequence requirement.

   or
   2. Any three of the following courses:
      Biology—Concepts of Biology
      Chemistry—Concepts of Chemistry
      Geology—Fundamentals of Geology
      Mathematics—Cultural Approach to Math
      Physical Science—Foundations of Physical Science
      Physics—Introduction to Descriptive Astronomy

Area III is composed of the following fields:
   Biology—B, BT, EH, Z
   Chemistry—C
   Geology—GO
   Mathematics—M
   Physical Science—PS
   Physics—PH

E. Students seeking the B.A. degree must have an additional 9 credits chosen from Areas I and/or II or one year of a foreign language.

F. Departmental major

BACHELOR OF SCIENCE DEGREE
Minimum Requirements (Credits)

A. General College requirements .......................... 3 or 6 credits
   1. English Composition 3 or 6 credits

B. Area I requirements .......................... 12
   1. Three fields must be represented
   2. Three credits may be in a performance course

Area I is composed of the following fields:
   Art AR
   Humanities HU
   Literature *
   Music MA, ME, MU
   Philosophy PY
   Theatre Arts TA

C. Area II requirements .......................... 12
   1. Three fields must be represented

Area II is composed of the following fields:
   Anthropology AN
   Communications CM
   Economics EC
   Geography GG
   History HY
   Political Science PO
   Psychology P
   Sociology SO

D. Area III requirements .......................... 12
   1. Two fields must be represented

Area III is composed of the following fields:
   Biology—B, BT, EH, Z
   Chemistry C
   Geology—GO
   Mathematics—M
   Physical Science—PS
   Physics—PH

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

F. Departmental major

* Determined by student score on ACT exam.
**Literature—Courses in various departments concerned with the writings of specific authors, periods, styles, themes, or geographic areas.
BACHELOR OF BUSINESS ADMINISTRATION DEGREE

Minimum Requirements (Credits)

A. English Composition ........................................ 3-6
B. Area I Requirements ......................................... 6
C. Area II Requirements ........................................ 12
   1. Economics .................................................. 6
   2. Area II credits other than in economics ............. 6
D. Area III Requirements ...................................... 11-12
   1. Two-semester sequence in math ...................... 8
   2. One semester physical or biological science ... 3-4
      Suggested science courses:
      Concepts of Biology, B-100
      Concepts of Chemistry, C-100
      Foundations of Physical Science, PS-100
      Fundamentals of Geology, G-100
      Introduction to Descriptive Astronomy, PH-100
      Man and His Environment, EH-200

E. An additional 16 hours are required in disciplines other than those administered in the School of Business. These additional credits must include hours from at least two of the three definitive areas as defined:

BACHELOR OF MUSIC DEGREE

Minimum Requirements (Credits)

A. General College Requirements .............................. 5-8
   1. Physical Education ....................................... 2
   2. English Composition ..................................... 3-6
B. Area I Requirements ........................................ 9
   1. Literature .................................................. 6
   2. Other Courses ............................................. 3
      No fewer than 3 credits selected from:
      Music History
      Introduction to Art
      Introduction to Theatre
      Introduction to Humanities
      Introduction to Philosophy or Ethics
C. Area II Requirements ....................................... 9
   1. Lower Division History .................................. 3
   2. Other courses ............................................. 3
      No fewer than 3 credits selected from:
      Political Science
      Sociology
      Anthropology
      Psychology
      Economics
      Geography
   3. No fewer than 3 credits selected from
      the areas listed in C.1. and C.2. above ............ 3
D. Area III Requirements ..................................... 8
   1. Foreign Language ........................................ 8
   2. Music Education majors will take 8 credits of math
      and/or science or a year's sequence of a foreign
      language.
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 Music.
G. In addition to the above Degree requirements, a minimum
   of 15 credit hours is required for graduation in electives
   outside of the major field.

BACHELOR OF FINE ARTS DEGREE*

Minimum Requirements (Credits)

A. General College Requirements .............................. 5-8
   1. Physical Education ....................................... 2
   2. English Composition ..................................... 3-6
B. Area I Requirements ........................................ 9
   1. Literature .................................................. 6
   2. Other courses ............................................. 3
      No fewer than 3 credits selected from:
      Introduction to Music
      Introduction to Theatre
      Introduction to Humanities
      Introduction to Philosophy or Ethics
C. Area II Requirements ....................................... 9
   1. Lower Division History .................................. 3
   2. Other courses ............................................. 3
      No fewer than 3 credits selected from:
      Political Science
      Sociology
      Anthropology
      Psychology
      Economics
      Geography
   3. No fewer than 3 additional credits selected
      from areas C.1. and C.2. above ........................ 3
D. Area III Requirements ..................................... 8
   A year's sequence chosen from the following:
   Biological Science
   Mathematics
   Physical Science
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.
G. In addition to the above Degree requirements, a minimum
   of 15 credit hours is required for graduation in electives
   outside of the major field.

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

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

Accounting
Advertising Design
Art
Art, Secondary Education Option
Biology
Biology, Secondary Education Option
Business Education
Chemistry
Chemistry, Secondary Education Option
Communication
Communication, Secondary Education Option
Criminal Justice Administration
Earth Science Education
Economics
Elementary Education
English
English, Secondary Education Option
Environmental Health
Finance
General Business
Geology
History
History, Secondary Education Option
Industrial Business
Marketing
Mathematics
Mathematics, Secondary Education Option
Medical-Technology
Music
Music, Secondary Education Option
Office Administration
Physical Education, Secondary Education Option
Political Science
Pre-Dental Studies
Pre-Medical Studies
Psychology
Social Science
Social Science, Secondary Education Option
Social Work
Sociology
Theatre Arts
Theatre Arts, Secondary Education Option

OTHER DEGREES

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

Associate of Science
- Medical Record Technician
- Inhalation Therapy Arts
- Registered Nursing
- Fashion Merchandising—Mid-Management
- Secretarial Science
- Marketing—Mid-Management
- Criminal Justice Administration
- Medical Secretary

Associate of Applied Science
- Drafting Technology
- Electronics Technology

Diploma
- A diploma will be granted upon successful completion of the following two-year programs:
  - Horticulture
  - Machine Shop
  - Office Machine Repair
  - Welding (2-year program)

Certificate of Completion
- A certificate of completion is granted for completion of less than 2-year programs and for completion of other authorized programs, such as seminars, workshops, special interest community courses, etc.
The course designation system code uses one or two letters to indicate courses within specific areas of interest. In many cases the letters used will suggest the courses indicated but should not be considered abbreviations. Areas of interest are grouped by School and Department following the organizational pattern of the remainder of the catalog.

**SCHOOL OF ARTS AND SCIENCES**

- Department of Art: Art AR
- Department of Biology: Biology B, Botany BT, Environmental Health EH, Forestry FS, Zoology Z
- Department of Chemistry: Chemistry C
- Department of Communication: Communication CM
- Department of English: English E, Humanities HU, Linguistics LI
- Department of Foreign Languages: Foreign Languages FL, French F, German G, Spanish S
- Department of Geology: Geology GO, Geography GG
- Department of Home Economics: Home Economics HE
- Department of History: History HY
- Department of Mathematics: Mathematics M
- Department of Music: Music, Applied (Performance) MA, Music, Ensemble ME, Music, General MU
- Department of Political Science: Political Science PO, Philosophy PY
- Department of Physics, Engineering and Physical Science: Engineering EN, Physics PH, Physical Science PS
- Department of Societal and Urban Studies: Anthropology AN, Criminal Justice Administration CR, Social Work SW, Sociology SO
- Department of Theatre Arts: Theatre Arts TA
- Department of Art: Art AR
- Department of Biology: Biology B, Botany BT, Environmental Health EH, Forestry FS, Zoology Z
- Department of Chemistry: Chemistry C
- Department of Communication: Communication CM
- Department of English: English E, Humanities HU, Linguistics LI
- Department of Foreign Languages: Foreign Languages FL, French F, German G, Spanish S
- Department of Geology: Geology GO, Geography GG
- Department of Home Economics: Home Economics HE
- Department of History: History HY
- Department of Mathematics: Mathematics M
- Department of Music: Music, Applied (Performance) MA, Music, Ensemble ME, Music, General MU
- Department of Political Science: Political Science PO, Philosophy PY
- Department of Physics, Engineering and Physical Science: Engineering EN, Physics PH, Physical Science PS
- Department of Societal and Urban Studies: Anthropology AN, Criminal Justice Administration CR, Social Work SW, Sociology SO
- Department of Theatre Arts: Theatre Arts TA

**SCHOOL OF BUSINESS**

- Department of Accounting and Data Processing: Accounting AC, Data Processing DP
- Department of Business Education and Office Administration: Business Education BE, Office Administration OA, Department of Economics EC

**SCHOOL OF HEALTH SCIENCES**

- Health Sciences: Inhalation Therapy IT, Medical Records Technology MR, Registered Nursing RN

**SCHOOL OF VOCATIONAL-TECHNICAL EDUCATION**

- Vocational Two-Year Programs: Horticulture Service Tech HO, Machine Shop MS, Office Machine Repair OM, Welding W
- Pre-Technical Non Credit Program: Pre-Technical PT
- Technical Two-Year Program: Drafting Technology DT, Electronics ET
- Vocational One-Year Programs: Auto Body AB, Auto Mechanics AM, Dental Assistant DA, Practical Nursing PN, Basic Welding W

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COURSE NUMBERING

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

000-099 Terminal credit and non-credit courses (including remedial, evening vocational, and adult education courses)
100-199 Freshman level courses
200-299 Sophomore level courses
300-499 Upper division level courses
500-above Graduate level courses

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

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

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

COLLEGE-WIDE COURSE NUMBERS

UNDERGRADUATE

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

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

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

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 College.

297 Special Topics—1-4 credits
A student may apply a maximum of 12 credits of Special Topics (both 297 and 497) toward graduation.

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

497 Special Topics—2-4 credits
May be repeated for a maximum of 12 credits—297 plus 497. Prerequisite: advanced standing and consent of instructor and department chairman.

498, 499—Senior Seminar—1-2 credits maximum
Prerequisite: senior standing in a major area.

GRADUATE

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

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

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

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

597 Special Topics
598 Seminar
599 Short Term Conference or Workshop (Graded Pass or Fail)

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

The courses contained in this catalog do not preclude or limit the College in its offerings for any semester or session nor does it restrict the College to the time block (semester) represented by the approved academic calendar for 1972-73.

Boise State College 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.

INTERDISCIPLINARY COURSES

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

HP 195, 295, 395, 495 Honors Seminar—1 credit
A seminar involving inter-disciplinary lectures and discussion for Honors Students. Topics are selected by the students.

HP 100, 200, 300, 400 Summer Readings—1-3 credits
An opportunity and incentive for students to continue their studies during the summer when they are away from campus and faculty. Students must select their area of interest, contact a faculty supervisor, and coordinate through the Honors Program Director concerning testing and credit for the work prior to the end of spring semester. Students will register during fall registration and will complete written and oral testing as required not later than October 15 in order to receive credit with a grade of "S" or "U".

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 Dean of Student Personnel Services 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.

GE 497, 597 Special Topics in General Education—Variable credits

GS 501 History of Science—1800 to Present For Elementary Teachers—3 credits
(Course description Part VII of catalog)

EXPERIMENTAL OFFERING COURSES

In an effort to provide curricular relevance with flexibility to meet changing needs many departments within the college provide experimental courses with full credit and academic content that are not fully approved as continuing offerings of the college. These courses may or may not be incorporated in the curricular offerings in the future. They are offered on an experimental basis to determine student response and value for continuation.

The following courses are under consideration for offering during the academic year 1972-73. The listing is neither complete nor final and is provided to illustrate the type of experimental courses anticipated. The Class Schedule and Registration Information brochure published for each semester will contain the finalized details of courses to be offered.

English Department Special Topics

American Humor — 3 Credits
A study of the elements in selected American humorous writings that illumine native character.

American War Literature — 3 Credits
An examination of selected American works which explore the nature and impact of war.

The Novel of the American City — 3 Credits
A study of American novels whose themes have been concerned primarily with the shaping of people's lives by the urban environment.

Utopias and Anti-Utopias — 3 Credits
A study of that genre of literature which is expression of man's profoundest aspirations as well as his deepest fears.

Modern Non-Western Literature — 3 Credits
The course includes representative works from selected significant modern authors in Asia and Africa.

The Literature of Fear — 3 Credits
A reading of works which frighten to entertain and those which frighten to gain the reader's attention and interest.

Comparative Mythology — 3 Credits
A course designed to compare myths of Eastern and Western cultures on myths dealing with origin and extinction, nature, and cultural, religious and heroic traditions.

The Bible As Literature — 3 Credits
Major and minor types of literature incorporated into the Bible will be identified and studied as artistic productions.
History Department Special Topics

American Values to 1877 — 3 Credits
The ideals of liberty, equality, and progress; the colonial experience through the Civil War era with emphasis upon interpretation rather than fact; two volumes of selected readings. First semester. Not open to students who have credit in HY 151. For Honors students or by permission of instructor.

American Values Since Lincoln — 3 Credits
A topical study of the realities of the past, the traditional goals, and American idealism. Selected readings provide a comprehensive coverage of United States history from the post-Civil War era to the present. Second semester. Not open to students who have credit in HY 152. For Honors students or by permission of instructor.

Lewis and Clark — 2 Credits
A study of the famous “Corps of Discovery” led by Meriwether Lewis and William Clark from Wood River, Illinois, to the Pacific Ocean and return. Special consideration to be given to the role of the leaders as scientists, surveyors, physicians, naturalists and anthropologists. Second semester.

Tudor-Stuart England — 3 Credits
A consideration of England during the reigns of the Tudor and Stuart monarchs of England. Among the developments in England to be treated are: monarchy versus the development of parliamentary government; the rise of the middle class in England; exploration and colonization and the beginnings of the British Empire; religious changes and social conflict in England; cultural developments in England. First semester.

History of Ireland — 3 Credits
Emphasis will be placed on the 700 year struggle of Ireland to gain national independence from Great Britain, the successes and failures of the Irish Republic, and the continued tragic division between Irishmen today. First semester.

The Bourgeois Revolutions — 3 Credits
The emergence of political democracy and economic liberalism as the dominant political philosophies in the United States and Europe during the period from 1776 to 1832. First semester.

American Constitutional Development — 3 Credits
A study of the origins, writing and development of the American Constitution, from colonial charters, through the Constitutional Convention, John Marshall, Civil War, age of industrial development, Progressivism, World Wars and Cold War and the Warren Court. Considerable emphasis placed on the role of the Supreme Court. First semester. Prerequisite: HY 151-152 or consent of instructor.

Small Town America — 3 Credits
Attention is given in this course to particular types of towns, but the text, readings, and discussions focus on the values that were fostered in the small town; the institutions and practices that shaped public sentiment in 19th and early 20th century America. First semester.

Marxist Revolutions — 3 Credits
The course will examine communist revolutionary theory and practice. Emphasis will be given to the ideas of Marx, Engels, Lenin and their successors. The processes by which various communist parties have come to power, failed to come to power, or are seeking to come to power will be discussed. Second semester.

Nazi Germany — 3 Credits
A study of National Socialism in modern German history, the course will deal with such developments as the rise of Hitler’s movement during the Weimar era, the institutions of the totalitarian state, and the German role in the coming of the Second World War and the impact of German occupation on the French, Jewish, Slavic and other European peoples. Second semester. Prerequisite: HY 103 or consent of instructor.

20th Century Britain — 3 Credits
Stresses British participation in the leading events of the 20th century—imperialism and the world wars, the decline of Britain from world power, and the adjustment and transition of Modern Britain to a welfare state. Second semester.

The City in American History — 3 Credits
Historical survey of the city in American life from colonial times to the present, with emphasis on nineteenth and twentieth century developments. Individual research on selected problems in urban history. Second semester.

Church and State in the U.S. — 3 Credits
A study of church, state relations from American colonial beginnings to the present, with emphasis on the nature of church involvement in the state and the varying attitudes toward church involvement in politics. Second semester.

Pacific Northwest Indian History — 3 Credits
An ethnohistorical survey of the tribes of the Pacific Northwest embracing the culture, arts, and religious practice of these Indian people. Changes brought by white contact will be stressed as will the Indian Wars fought in the area. Special attention will be given to the Indians of Idaho and their history. Second semester.
PART III

school of arts and sciences

Dean: Joseph P. Spulnik, Ph.D.

Associate Dean: William E. Shankweiler, Ph.D.

PHILOSOPHY

OBJECTIVES

ACTIVITIES

DEPARTMENTS

Art
Biology
Chemistry
Communication
English
Foreign Language
Geology
Home Economics
History
Mathematics
Music
Political Science
Physics, Engineering and Physical Science
Societal and Urban Studies
Theatre Arts
Philosophy

The School believes that the purpose of men's lives is to know, to search, and to achieve, and that knowledge is necessary to the good life of free men. The School, therefore, provides an opportunity for each student to share in the accumulated experience of men of all times and places, hoping not only to lead each student to basic knowledge of the matter traditional to the School's major divisions of study, but also to stimulate students to exercise their own powers to range beyond the known — to dream a better possible human condition and devise ways of moving toward it.

To this end we hope to encourage students to be curious and wisely skeptical, learning that inquiry and intelligent doubt are often the first steps toward creation, achievement, and a fuller understanding of their own nature and potential.

Objectives

1. To offer programs of study leading to a baccalaureate degree in the Arts — Advertising Design, Art, Communication, English, History, Music, Political Science, Social Science, Social Work, Sociology, Theater Arts, and in the Sciences — Biology, Chemistry, Earth Science, Mathematics. Degrees available in the above areas, including the Secondary Education Options offered by all departments, include the Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts (in Art, Art Education, and Advertising Design), and Bachelor of Music (in Music Performance, Music Education, and Music Theory and Composition.)

2. To offer undergraduate programs in Engineering, Physics, Home Economics, Forestry, and Wildlife Management.

3. To offer elective and service courses for students majoring in other schools.

ACTIVITIES

The Cold-drill

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

Brisas

The Department of Foreign Languages, with the cooperation of the Spanish Club members and departmental students and faculty, publishes each year a Spanish-English magazine focusing on various social and educational areas of Hispanoamerica.

Performances, Exhibitions, Workshops

Membership in the various groups and organizations engaged in extracurricular activities is available to all students who qualify. These groups offer opportunities for growth and participation beyond curricular requirements. Students may participate in art exhibits in the Liberal Arts Building, Library, and Student Union gallery areas; extensive intramural and inter-collegiate offerings of the Department of Communication including Debate, Reader's Theatre, and productions of plays from both the classical and modern repertoires in the college's unique Subal theatre; 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 an "American Heritage Tour" presented by the college each summer, as well as science fairs, environmental workshops, etc.
**DEPARTMENT OF ART**

**Requirements for Art Major**

**Bachelor of Arts Degree**
General Art, Art Education, Advertising Design

<table>
<thead>
<tr>
<th>I. General Art-Bachelor of Arts Program</th>
<th>128-128</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. General College and Basic Core Requirements</td>
<td>47-55</td>
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<tr>
<td>2. Art Major Requirements</td>
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<tr>
<td>Painting</td>
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<td>Drawing</td>
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<td>Design</td>
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<td>Sculpture</td>
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<td>Crafts</td>
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<td>Senior Seminar</td>
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<td>3. Electives</td>
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<tr>
<th>II. Art Education-Bachelor of Arts Program</th>
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<td>1. General College and Basic Core Requirements</td>
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<td>Painting</td>
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<td>Printmaking</td>
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<td>Crafts</td>
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<td>3. Education Requirements for State Certification</td>
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<tr>
<td>Audio-Visual Aids</td>
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<tr>
<td>Foundations of Education</td>
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<tr>
<td>Educational Psychology</td>
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<td>Art Methods in Secondary Schools</td>
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<tr>
<td>Secondary Student Teaching</td>
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<th>III. Advertising Design — Bachelor of Arts Program</th>
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<td>1. General College and Basic Core Requirements</td>
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<td>2. Art Major Requirements</td>
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<td>Drawing</td>
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<td>Lettering and Layout</td>
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<tr>
<td><strong>Total</strong></td>
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</tbody>
</table>

**I. General Art — Bachelor of Fine Arts Degree — Drawing and Painting Emphasis**

| 1. General College and Core Requirements | 34 |
| 2. Art Major Requirements | 65 |
| Painting | 14 |
| Drawing | 14 |
| Art History | 10 |
| Watercolor | 4 |
| Design | 4 |
| Printmaking | 3 |
| Sculpture | 3 |
| Ceramics | 3 |
| Crafts | 2 |
| Lettering | 2 |
| Senior Seminar | 2 |
| Art Electives | 4 |
| **Total** | 128 |

Recommended professional electives in the drawing and painting emphasis: Upper Division Literature, Introduction to Philosophy, Ethics, Foreign Language, Upper Division History.

**II. General Art — Bachelor of Fine Arts Degree — Sculpture and Ceramics Emphasis**

| 1. General College and Core Requirements | 34 |
| 2. Art Major Requirements | 65 |
| Sculpture | 12 |
| Ceramics | 12 |
| Art History | 10 |
| Painting | 8 |
| Drawing | 8 |
| Crafts | 4 |
| Design | 4 |
| Lettering | 2 |
| Senior Seminar | 2 |
| Art Electives | 3 |
| **Total** | 128 |

Recommended professional electives in the sculpture and ceramics emphasis: Geology, Introduction to Chemistry, Rocks and Minerals, Foreign Language, Upper Division History.

**III. Art Education — Bachelor of Fine Arts Degree — Drawing and Painting Emphasis**

| 1. General College and Core Requirements | 34 |
| 2. Art Major Requirements | 65 |
| The art major requirements for the art education option are the same as those for the general art option in both areas of emphasis. |
| 2. Education Requirements for State Certification | 20 |
| Including Secondary Art Methods |
| Audio-Visual Aids | 2 |
| Foundations of Education | 3 |
| Secondary School Methods | 3 |
| Educational Psychology | 3 |
| Art Methods in the Secondary Schools | 3 |
| Secondary Student Teaching | 6 |
| 4. Professional Electives | 9 |
| **Total** | 128 |
### IV. Advertising Design — Bachelor of Fine Arts Degree
#### Advertising Design Emphasis
1. General College and Core Requirements
   
   Advertising Design: 10
   Painting: 8
   Drawing: 8
   Watercolor: 4
   Design: 4
   Sculpture, Ceramics or Crafts: 6
   Lettering and Layout: 4
   Art History: 4
   Creative Photo: 2
   Printmaking: 3
   Art Electives: 6
   Advertising Illustration: 4
   Senior Seminar: 2

2. Art Major Requirements
   
   Advertising Design: 10
   Painting: 8
   Drawing: 8
   Watercolor: 4
   Design: 4
   Sculpture, Ceramics or Crafts: 6
   Lettering and Layout: 4
   Art History: 4
   Creative Photo: 2
   Printmaking: 3
   Art Electives: 6
   Advertising Illustration: 4
   Senior Seminar: 2

3. Professional Electives
   

<table>
<thead>
<tr>
<th>ART MAJOR</th>
<th>Lower Division — All Degrees</th>
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<tr>
<td></td>
<td>(Suggested Program)</td>
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#### I. General Art

<table>
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<tr>
<th>Freshman Year</th>
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<tr>
<td>Basic Design</td>
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<tr>
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<td>Elementary Painting</td>
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<td>Intermediate Painting</td>
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<td>Social Science (Area II)</td>
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<td>Lab Science or Mathematics (Area III)</td>
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<td>Electives</td>
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<td>Intermediate Painting</td>
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<td>Lab Science or Mathematics (Area III Sequence)</td>
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### II. Art Education

Freshman Year (see General Art Freshman Year)

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<th>Sophomore Year</th>
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<th>2ND SEM</th>
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<tr>
<td>Intermediate Painting</td>
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<tr>
<td>General Psychology</td>
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<tr>
<td>Introduction to Music or Drama</td>
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<tr>
<td>Lab Science or Mathematics</td>
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<tr>
<td>Electives</td>
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### III. Advertising Design

Freshman Year (see General Art Freshman year)

<table>
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<tr>
<th>Sophomore Year</th>
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<tbody>
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<td>Intermediate Drawing</td>
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<tr>
<td>Intermediate Painting</td>
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<td>2</td>
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<tr>
<td>Advertising Design</td>
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<td>2</td>
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<tr>
<td>Introduction to Music or Drama</td>
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<td>Social Science</td>
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<tr>
<td>Lab Science or Mathematics</td>
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<tr>
<td>Electives</td>
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</tbody>
</table>

*Advertising Design Majors Only.*
SCHOOL OF ARTS & SCIENCES
Department of Art

COURSE OFFERINGS

AR ART

Lower Division

100 Basic Drawing and Painting for Non-Art Majors
  — 2 credits
  A one semester course with emphasis on media, tech-
iques, and philosophy designed to acquaint the general
college student with the basic fundamentals of drawing and pain-
ting. Four studio hours per week. Either semester.

101 Art History — 2 credits
  A historical survey of painting, sculpture and architecture
from Pre-historic art to art of the Renaissance. First semester.

102 Art History — 2 credits
  A historical survey of painting, sculpture and architecture
from the Renaissance to the present. Second semester.

103 Introduction to Art — 3 credits
  A one-semester course designed to acquaint the general
college student with the aesthetics of painting, sculpture, archi-
tecture, and related art forms. Either semester.

105 Basic Design — 2 credits
  A two-dimensional theoretical and applied study of the
structural organization underlying painting, commercial and
industrial art, and interior decorating. Scientific and aesthetic
investigation of color are included. Four studio hours per week.
(Limited enrollment 2nd semester.) Either semester.

106 Basic Design — 2 credits
  Theoretical and applied study of the structural organization
underlying three dimensional art forms such as sculpture, archi-
tecture and ceramics. Four studio hours per week. Advisable
to take AR 105 prior to AR 106. Second semester.

107 Lettering — 2 credits
  A study of lettering techniques and various alphabetical
forms; emphasis upon modern styles, spacing and layout. Four
studio hours per week. Either semester.

108 Lettering and Layout — 2 credits
  A study of lettering techniques used in advertising design,
for advertising design majors. Four studio hours per week. Ad-
visable to take AR 107 prior to AR 108. Second semester.

111 Drawing — 2 credits
  Applied study of perspective, form, light and shade, and
composition. Four studio hours per week. Limited enrollment
second semester. Either semester.

112 Drawing — 2 credits
  Introduction to the human figure. Four studio hours per
week. Advisable to take AR 111 prior to AR 112. Second se-

113 Painting — 2 credits
  Emphasis on the techniques of transparent and opaque
water base media. Four studio hours per week. Limited enroll-
ment second semester. Either semester.

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

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

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

121 Crafts — 2 credits
  A creative exploration in designing and constructing simple
problems in metals, leather, wood, fabric, enameled, mosaics and
other media. Four studio hours per week. First semester.

122 Crafts — 2 credits
  Continued exploration in designing and constructing work
in metals, leather, wood, fabrics, enameled, mosaics and other
media. Four studio hours per week. Advisable to take AR 121
prior to 122. Second semester.

131 Interior Decorating — 2 credits
  Aid in understanding and appreciating interior design. The
most basic components of home decorating will be studied.
These include color, wallpaper, fabrics, carpet, and furniture.
Two hours lecture, one-half-hour demonstration per week.
Either semester.

141 Photography Theory — 1 credit
  Introduction to simple problems in the photographic pro-
cess. Evening program only. Either semester.

143 Photography Laboratory — 1 credit
  Actual work in taking, developing and printing pictures,
both for technical development and creative growth. Evening
program only. Two hours per week. Either semester.

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

204 Advertising Design — 2 credits
  Advanced assignments in various techniques employed in
advertising and commercial art. Four studio hours per week.
Advisable to take AR 203 prior to AR 204. Second semester.

211 Drawing — 2 credits
  Anatomical rendering and analysis of the drawing in rela-
tion to creative composition. Four studio hours per week.
Advisable to take AR 111 and AR 112 prior to AR 211. First se-

212 Drawing — 2 credits
  Drawing in various media from the human figure. Four hours
studio per week. Advisable to take AR 211 prior to AR 212.
Second semester.

215 Painting — 2 credits
  Painting in oil with emphasis on various techniques and
subjects. Four studio per week. Advisable to take
AR 113 and AR 114 prior to AR 215. First semester.

216 Painting — 2 credits
  Creative work in oils and related media. Four studio hours
per week. Advisable to take AR 215 prior to AR 216. Second
semester.

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

218 Painting-Watercolor — 2 credits
  Introduction to experimental techniques in the use of opaque
waterbase media. Work will be outdoors from nature as well as
studio work. Four studio hours per week. Advisable to take
AR 217 prior to AR 218. Second semester.

225 Ceramics — 3 credits
  An introduction to ceramics technique and materials. Mold-
ing, hand building, decoration, glazing, and firing will be given.
Enrollment is limited. Six studio hours per week. Advisable to
take AR 105 and AR 106 prior to AR 225. First semester.

226 Ceramics — 3 credits
  Beginning the use of the potter's wheel, molding, hand
building, decoration, glazing and firing. Limited enrollment. Six studio hours per week. Advisable to take AR 225 prior to AR 226. Second semester.

231 Sculpture — 3 credits
Work in a variety of three dimensional materials, with emphasis on the techniques of carving, modeling, and constructing. Six studio hours per week. Advisable to take AR 105 or AR 106 prior to AR 231. First semester.

232 Sculpture — 3 credits
Continued work in a variety of three dimensional materials, with emphasis on the techniques of carving, modeling and constructing. Six studio hours per week. Advisable to take AR 231 prior to AR 232. Second semester.

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

Upper Division

301 Nineteenth Century Art History — 3 credits
An in-depth study of important artists and movements in Europe and the United States; from neoclassicism in France to social commentary in America. First semester.

302 Twentieth Century Art History — 3 credits
An in-depth study of important artists and movements in Europe, Mexico and the United States; from Fauvism in France to trends in contemporary American art. Second semester.

303 Advertising Design — 3 credits
Design and preparation of art for reproduction, techniques and studio practices. Six studio hours per week. Advisable to take AR 203 and 204 prior to AR 303. First semester.

304 Advertising Design — 3 credits
Design and preparation of art for reproduction, techniques and studio practices. Six studio hours per week. Advisable to take AR 303 prior to AR 304. Second semester.

305 Visual Design — 3 credits
Advanced exploration of two-dimensional and three-dimensional design, continuing with problems in line, form, color, texture, and space. Six studio hours per week. Advisable to take AR 105 and 106 prior to AR 305. First semester.

306 Visual Design — 3 credits
Advanced exploration of two-dimensional and three-dimensional design, continuing with problems in line, form, color, texture, and space. Six studio hours per week. Advisable to take AR 305 prior to AR 306. Second semester.

309 Introduction to Printmaking — 3 credits
Introduction to the processes of woodcut, lithography and etching. Advisable to take AR 105-106, AR 111-112, prior to AR 309. First semester.

310 Printmaking — 3 credits
Further concentration in two of the following four areas: woodcut, lithography, etching, serigraphy. Six studio hours per week. Advisable to take AR 309 prior to AR 310. Second semester.

311 Drawing — 3 credits
Advanced life drawing in various media. Six studio hours per week. Advisable to take AR 111, AR 112, AR 211, AR 212 prior to AR 311. First semester.

312 Drawing — 3 credits
Advanced life drawing in various media, with emphasis on personal creative approaches. Six studio hours per week. Advisable to take 311 prior to AR 312. Second semester.

315 Painting — 3 credits
Creative work in representational or non-representational areas in oil and related media. Six studio hours per week. Advisable to take AR 113-114, AR 215-216 prior to AR 315. First semester.

316 Painting — 3 credits
Continued study in representational or non-representational areas in oil and related media. Six studio hours per week. Advisable to take AR 315 prior to AR 316. Second semester.

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

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

321 Elementary School Art Methods — 3 credits
For students expecting to teach in the elementary schools. This course is especially designed to help prospective teachers construct outlines of courses for creative art activities in the elementary grades. Progressive methods and materials conducive to free and spontaneous expression are stressed. Two lecture and four studio hours per week. Either semester.

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

326 Ceramics — 3 credits
Advanced study in the materials of ceramics, with emphasis on personal, creative approaches. Six studio hours per week. Advisable to take AR 325 prior to AR 326. Individual instruction will be given. Second semester.

331 Sculpture — 3 credits
Advanced study in the material and methods of the sculptor with emphasis upon welded steel and metal casting. Six studio hours per week. Advisable to take AR 231 and AR 232 prior to AR 331. First semester.

332 Sculpture — 3 credits
Advanced study in the material and methods of the sculptor, with emphasis in personal, creative approaches. Six studio hours per week. Advisable to take AR 331 prior to AR 332. Second semester.

341 Creative Photography — 3 credits
Advanced study of photographic techniques, emphasis on the creative approach to picture taking and printing. Two hour lecture, and four studio hours per week. Adjustable camera required. Advisable to take AR 341 prior to AR 342. First semester.

342 Creative Photography — 3 credits
Advanced study of photographic techniques with emphasis on personal creative approaches. Two hour lecture and four studio hours per week. Adjustable camera required. Advisable to take AR 341 prior to AR 342.

351 Secondary School Art Methods — 3 credits
Art education on the junior high school and senior high school levels. Three hours lecture per week. First semester.

361-362 Advertising Illustration — 2 credits
Advanced study emphasizing techniques and methodology of illustrating finished art for ads. Fundamental approaches to story, product, fashion and decorative illustration with emphasis on building a portfolio. Four studio hours per week. Prerequisite: AR 203-204. Each semester.
SCHOOL OF ARTS & SCIENCES
Department of Biology

371 Contemporary American Art — 3 credits
A survey of the major artistic trends of the 20th century that lead to the assumption of leadership in the visual arts by the United States. Beginning with the armory show, 1913, to the 1960's. Advisable to take AR 101-102 prior to AR 371. Each semester.

409 Printmaking — 3 credits
Concentrated work in one of the following areas: Woodcut and wood engraving, etching and metal engraving, black and white and color lithography, collograph. Six hours studio per week. Advisable to take AR 309 and AR 310 prior to AR 409. Each semester.

411, 412 Life Drawing — 2 credits
An advanced life drawing class with emphasis on a classical anatomical study of the human figure. Four studio hours per week. Prerequisite: AR 111, 112, AR 211 and consent of instructor. Either semester.

415 Painting — 3 credits
Preparation for graduate study in opaque or transparent media. Six studio hours per week. Advisable to take AR 316 prior to AR 415. First semester.

416 Painting — 3 credits
Continued preparation for graduate study in opaque or transparent media. Six hours studio per week. Advisable to take AR 415 prior to AR 416. Second semester.

417 Painting-Watercolor — 3 credits
Advanced study in selected watercolor media. Six studio hours per week. Advisable to take AR 317 and AR 318 prior to AR 417. First semester.

418 Painting-Watercolor — 3 credits
Advanced study in selected watercolor media. Six studio hours per week. Advisable to take AR 317 and AR 318 prior to AR 431. First semester.

425 Ceramics — 3 credits
Continued study in the materials of ceramics, with emphasis on the exploration of clays, glazes, and firing as it applies to the creative artist or teacher. Six studio hours per week. Advisable to take AR 325 and AR 326 prior to AR 425. Individual instruction will be given. First semester.

426 Ceramics — 3 credits
Continued study in the materials of ceramics, with emphasis on the personal, creative approaches. Six studio hours per week. Advisable to take AR 325 and AR 326 prior to AR 426. Individual instruction will be given. Second semester.

431 Sculpture — 3 credits
Continued study in the material and methods of the sculptor with emphasis on welded steel and metal casting. Six studio hours per week. Advisable to take AR 331 and AR 332 prior to AR 431. First semester.

432 Sculpture — 3 credits
Continued study in the material and methods of the sculptor, with emphasis in personal, creative approaches. Six studio hours per week. Advisable to take AR 331 and AR 332 prior to AR 432. Second semester.

498 Senior Seminar — 2 credits
Required reading, and written and oral reports, relative to the senior art majors' area of interest within the visual arts. First semester.

DEPARTMENT OF BIOLOGY
Dr. Donald J. Obee, Chairman
Professors: Fritchman, Obee
Associate Professors: Baker, Fuller, Papenfuss, Wyllie
Assistant Professors: Belknap, Kelley
Instructors: Colby, Kelleher

REQUIREMENTS FOR BIOLOGY MAJOR

I. BACHELOR OF SCIENCE OPTION
1. General College and Baccalaureate Degree Requirements see pages 33-35.
2. Major Requirements:

   CREDITS

   A. Biology
   1. Advanced General Biology 10
   2. Biology—any two courses 6-9
      Bacteriology 5
      Evolution 3 or 4
      Genetics 3 or 4
   3. Physiology—one course 4
      Plant Physiology 4
      Mammalian Physiology 4
   4. Invertebrate Zoology—one course 4
      Entomology 4
      Invertebrate Zoology 4
   5. Natural History—two courses 8
      Systematic Botany 4
      Vertebrate Natural History 4
   6. Morphology—two courses, plant and animal
      Comparative Anatomy 4
      Plant Anatomy 3
      Plant Morphology 4
      Vertebrate Histology 4
      Vertebrate Embryology 4
   7. Biology Seminar—1 semester 1
   8. Biology electives to total 45 credits.
      Any of the above courses or Cytology, Mammalogy, Micro technique, Ornithology, Parasitology or Ichthyology.

   B. Chemistry
   1. General Chemistry 16
   2. Elementary Organic Chemistry 6

   C. Mathematics
   1. Mathematics 115-116 10

   3. Recommended Electives
      1. Introduction to Biophysics 25
      2. Earth Sciences
      3. Chemistry
      4. Language
BIOLOGY MAJOR
Bachelor of Science
(Suggested Program)

FRESHMAN YEAR:
1ST SEM.
English Composition ........................................ 3
General Chemistry ........................................... 5
Mathematics .................................................... 5
Area I Electives ............................................... 3

2ND SEM.
16

SOPHOMORE YEAR:
1ST SEM.
Advanced General Biology .................................. 5
Elementary Organic Chemistry ............................. 3
Area I Electives ............................................... 3
Area II Electives ............................................. 3
Unspecified Electives ......................................... 3

2ND SEM.
17

JUNIOR YEAR:
1ST SEM.
Biology Electives ............................................. 10
Other Electives ................................................ 6

2ND SEM.
16

SENIOR YEAR:
1ST SEM.
Biology Seminar ............................................. 1
Biology Electives ............................................. 7
Other Electives ................................................ 7

2ND SEM.
15

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

FRESHMAN YEAR:
1ST SEM.
English Composition ........................................ 3
General Chemistry ........................................... 5
Mathematics .................................................... 5
Area I Electives ............................................... 3

2ND SEM.
16

SOPHOMORE YEAR:
1ST SEM.
Advanced General Biology .................................. 5
Elementary Organic Chemistry ............................. 3
Area I Electives ............................................... 3
Area II Electives ............................................. 3
General Psychology ........................................... 3
Unspecified Electives ......................................... 3

2ND SEM.
17

JUNIOR YEAR:
1ST SEM.
Vertebrate Natural History ................................ 4
Foundations of Education .................................. 3
Biology Electives ............................................. 4
Systematic Botany ............................................ 4
Electives ...................................................... 3

2ND SEM.
18

SENIOR YEAR:
1ST SEM.
Biology Electives ............................................. 11
Biology Seminar ............................................. 1
Other Electives ................................................ 3
Educational Psychology ..................................... 3
Secondary Teaching Methods ............................. 3
Audio-Visual Aids ............................................ 2
Student Teaching ............................................. 6

2ND SEM.
15-16

49
ENVIRONMENTAL HEALTH

The environmental health scientist is concerned with the study and determination of the effects of environmental factors, singly and in the aggregate, upon the health of man. The need for such a program is evident when one considers the increasing demand for trained personnel in such areas as environmental pollution prevention, food inspection, and teaching. Environmental Health experts are employed by Federal, State, and Local agencies, private industry, and teaching institutions. Currently, there are vacancies at all levels in Idaho and surrounding states.

REQUIREMENTS FOR ENVIRONMENTAL HEALTH MAJOR

Bachelor of Science

A. General Requirements (8 credits)
   English Composition ........................................... 6
   Physical Education Activities .................................. 2
   Electives ......................................................... 12

B. Area I Requirements (12 credits)
   Psychology ...................................................... 3
   Sociology ....................................................... 3
   Electives ....................................................... 6

C. Area II Requirements (12 credits)
   General Chemistry .............................................. 10
   Elementary Organic Chemistry ................................. 6
   Math 115 and Math 116 ........................................... 10
   General Physics ................................................ 8
   Advanced General Biology ...................................... 10
   General Bacteriology .......................................... 5
   Entomology ..................................................... 4
   Food Microbiology ............................................. 4
   Biocology ..................................................... 4
   Mammalian Physiology .......................................... 4

D. Science Requirements (69 credits)
   Food Microbiology ............................................. 4
   Mammalian Physiology .......................................... 4
   General Bacteriology .......................................... 5
   Pathogenic Bacteriology ...................................... 4
   Entomology ..................................................... 4
   General Physics ................................................ 4
   Environmental Sanitation ...................................... 3
   Area I Electives ................................................ 3
   Area II Electives ............................................. 3

E. Public Health Requirements (19 credits)
   Environmental Sanitation ...................................... 6
   Public Health Field Training .................................. 8
   Public Health Administration .................................. 2
   Man and His Environment ...................................... 3

F. Electives (15 credits)
   Suggested Electives
   Principles of Data Processing
   Principles of Economics
   Speech
   State and Local Government
   Federal Government
   General Parasitology

ENVIRONMENTAL HEALTH

Bachelor of Science

(Suggested Program)

FRESHMAN YEAR:

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<td>Math 105-106 or Math 111-112</td>
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<td>Man and His Environment</td>
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<tr>
<td>Psychology</td>
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<td>Entomology</td>
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<tr>
<td>Environmental Sanitation</td>
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<tr>
<td>Summer between Junior and Senior Year</td>
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<td>Public Health Field Training</td>
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SOPHOMORE YEAR:

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<td>Entomology</td>
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<td>Area II Electives</td>
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<td>Food Microbiology</td>
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<td>Mammalian Physiology</td>
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<td>Public Health Administration</td>
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<td>Bioecology</td>
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<td>Introduction to Sociology</td>
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<td>Electives</td>
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FORESTRY AND WILDLIFE MANAGEMENT

FRESHMAN YEAR:

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<td>Introduction to General Chemistry</td>
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<td>General Forestry</td>
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<td>Mathematics</td>
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<td>Speech</td>
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<td>Physical Education Activities</td>
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SOPHOMORE YEAR:

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<td>5</td>
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<tr>
<td>Systematic Botany</td>
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<td>4</td>
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<tr>
<td>Technical Drawing</td>
<td>2</td>
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<tr>
<td>Plane Surveying</td>
<td>3</td>
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</table>
MEDICAL TECHNOLOGY MAJOR

Bachelor of Science Program

There is a definite demand for Registered Medical Technologists in hospitals, clinics, physicians' offices, medical schools and research laboratories. There is now a four-year curriculum which consists of three years of college training during which period 96 semester hours of study are completed. The fourth year, the student is eligible to take the examination for registration as a Medical Technologist and receive the Bachelor of Science degree.

REQUIREMENTS FOR MEDICAL TECHNOLOGY MAJOR

1. Six hours of English Composition ........................................ 6
2. Completion of the basic core requirements:
   A. Humanities Group 1 ................................................. 12
   B. Social Sciences Group 2 ........................................... 12
3. Laboratory Sciences and Mathematics:
   A. Required Courses .................................................. 43-45
      1. One-year sequence in each of:
         General Chemistry .............................................. 10
         Advanced General Biology ..................................... 10
         Organic Chemistry .............................................. 6
      2. One semester of:
         Freshman Mathematics .......................................... 5
         Bacteriology ....................................................... 5
         Analytical Chemistry or Biochemistry ....................... 4 or 5
         Mammalian Physiology ......................................... 4
   B. Electives to be selected from the following: 19-20
      Biology or Zoology (select at least two
      courses from the following):
      Comparative Anatomy ............................................ 4
      Vertebrate Embryology .......................................... 4
      Vertebrate Histology ............................................ 4
      Cytology ............................................................ 4
      Microtechnique ................................................... 3
      General Genetics ................................................ 3 or 4
      Parasitology ...................................................... 3
      Intro to Biophysics .............................................. Area I and II
   4. One year of clinical training ....................................... 32

PRE-DENTAL HYGIENE CURRICULUM

This curriculum is designed for women students interested in a professional career in dental hygiene. This particular program is designed for students planning to enroll in the dental hygiene program as sophomore or junior students at Idaho State University. The dental hygiene curriculum leads to either a Bachelor of Science or Bachelor of Arts Degree in Dental Hygiene. Those students who plan to enroll at schools other than Idaho State University are advised to pattern their pre-dental hygiene curriculum after that of the specific school to which they expect to transfer.

The Bachelor's Degree in dental hygiene qualifies the graduate for specialized services in public health, school health, administration and education of dental hygienists, as well as training and licensing to give important dental services under the supervision of a dentist.

SCHOOL OF ARTS & SCIENCES
Department of Biology

MEDICAL TECHNOLOGY MAJOR

Bachelor of Science Program

(Freshman Year)

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(Sophomore Year)

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<td>Organic Chemistry</td>
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<td>Area I Electives</td>
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(Junior Year)

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<td>Analytical Chemistry or Biochemistry</td>
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(Senior Year)

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<td>Parasitology and Mycology</td>
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<td>Hematology</td>
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<td>Histology and Tissue Techniques</td>
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<td>Blood Banking</td>
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Senior year to be spent in clinical training in St. Luke's Hospital or St. Alphonsus Hospital, Boise, Idaho, or other hospitals with approved clinical training facilities. The equivalent of 32 credit hours is earned in clinical training which includes the above courses and their semester credit equivalents.

SOPHOMORE YEAR

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<tr>
<th>Course</th>
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<tr>
<td>Introduction to General Chemistry</td>
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<td>and 102 or General Chemistry 111 and 112</td>
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<td>Non-specified Elective or Foreign Language</td>
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<td>Microbiology 205</td>
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<td>Human Physiology and Anatomy 107</td>
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<td>5</td>
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<tr>
<td>Nutrition 207</td>
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<td>Total</td>
<td>15-16</td>
<td>15-17</td>
</tr>
</tbody>
</table>
# REQUIREMENTS FOR PRE-DENTAL, PRE-MEDICAL STUDIES MAJOR

## I. Biology Option

### 1. General College and Baccalaureate Degree Requirements to include:

- **English Composition**: 6
- **General Psychology**: 3

### 2. Biology Requirements

- **Advanced General Biology**: 10
- **General Bacteriology**: 5
- **Comparative Anatomy**: 4
- **Vertebrate Embryology**: 4
- **Mammalian Physiology**: 4
- **General Genetics**: 3-4
- **Vertebrate Histology**: 4

### 3. Chemistry Requirements

- **General Chemistry**: 10
- **Organic Chemistry**: 10
- **Analytical Chemistry**: 5
- **Physical Chemistry**: 8
- **Instrumental Analysis**: 4
- **Chemistry Preparations**: 2
- **Chemistry Seminar**: 2

### 4. Physics and Mathematics

- **General Physics**: 8
- **Mathematics sequence**: 10

**Totals for Areas 1-4**: 107-110

- **Electives Needed**: 18-21

- Additional upper division credits so that upper division credits total at least 40.

## II. Chemistry Option

### 1. General College and Baccalaureate Degree Requirements to include:

- **English Composition**: 6
- **General Psychology**: 3

### 2. Biology Requirements

- **Advanced General Biology**: 10
- **Comparative Anatomy**: 4
- **Vertebrate Embryology**: 4

### 3. Chemistry Requirements

- **General Chemistry**: 10
- **Organic Chemistry**: 6-8
- **Analytical Chemistry**: 4
- **Physical Chemistry**: 8
- **Instrumental Analysis**: 4
- **Chemistry Preparations**: 2
- **Chemistry Seminar**: 2

### 4. Physics and Mathematics

- **Math 115-116**: 10
- **Math 205-206**: 8
- **General Physics**: 8

**Total for Areas 1-4**: 118-119

- **Electives**: 9-10

---

### Suggested Programs

#### BIOLOGY OPTION

**FRESHMAN YEAR:**

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<td>English Composition</td>
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<td>Physical Education Activities</td>
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**SOPHOMORE YEAR:**

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<tr>
<td>Advanced General Biology</td>
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<td>*Organic Chemistry</td>
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**JUNIOR YEAR:**

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<td>Comparative Anatomy</td>
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**SENIOR YEAR:**

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**CHEMISTRY OPTION**

**FRESHMAN YEAR:**

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**SOPHOMORE YEAR:**

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**JUNIOR YEAR:**

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**SENIOR YEAR:**

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**TOTAL:** 16 | 13-14
**COURSE OFFERINGS**

**B BIOLOGY**

**Lower Division**

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<thead>
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<th>Course Code</th>
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<tr>
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<td>Concepts of Biology</td>
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<td>101-102</td>
<td>General Biology</td>
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<td>205</td>
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<td>303</td>
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<td>310</td>
<td>Pathogenic Bacteriology</td>
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<tr>
<td>401</td>
<td>Organic Evolution</td>
<td>3</td>
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<tr>
<td>410</td>
<td>Food Microbiology</td>
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<td>412</td>
<td>General Parasitology</td>
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**BT BOTANY**

**Lower Division**

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<td>201</td>
<td>Systematic Botany</td>
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**Notes:**
- 100 Concepts of Biology: An introductory course for non-majors planning to take only one semester of Biology. A survey of the plant and animal kingdoms with emphasis on topics such as evolution, genetics, and ecology and their application to such current problems as pollution, over population and eugenics. May not be used to form a sequence with either B-101 or B-102. Each semester.
- 101-102 General Biology: A general one year introduction into the study of plant and animal life, with an interpretation of the principles of morphology, physiology, ecology, embryology, and genetics as represented by both types of organisms. Emphasis on the above principles is placed on their relationship to man. This course is recommended for those students taking only a single course in biological sciences. Three lectures and one 2-hour laboratory period per week. Each semester.
- 203-204 Advanced General Biology: A general introduction to plant and animal life designed for biology majors and pre-professional students in medicine, dentistry, medical technology, forestry and others. Modern concepts of the chemical properties and physiological activities of organisms are emphasized. Plants are considered in the Fall semester; animals in the Spring. Three lectures and two three-hour laboratories per week. Prerequisite: General Chemistry, C-111-112; Introduction to Chemistry, C-101-102 or Introduction to Physical Sciences, PS 101-102. A concurrent course in Organic Chemistry is recommended. Each semester.
- 205 Microbiology: Designed for pre-nursing and Home Ec students. A study of microorganisms causing infectious diseases and contamination of foods. Principles of sterilization and disinfection are included along with examination of food, water, blood, milk, and excreta. Two lectures and two one-hour laboratory periods per week. First semester.
- 303 General Bacteriology: A general survey of the field of bacteriology, designed for students in the general science courses and as a foundation for advanced work in the subject. Three lectures and two 3-hour laboratory periods a week. Prerequisite: Advanced General Biology and Elementary Organic Chemistry. First semester.
- 310 Pathogenic Bacteriology: A course emphasizing the cultural, biochemical and morphological characteristics of the more important species of disease-producing bacteria. Two lectures and two three-hour laboratory periods per week. Prerequisite: General Bacteriology. Second semester.
- 343 Genetics: A study of the principles of genetics as they relate to living organisms. Prerequisite: one year of General Biology, or one year of Advanced General Biology or equivalent. Second semester.
- 344 Genetics Laboratory: A practical course in the techniques of growing and analyzing genetical material. The laboratory work will include exercises in culturing of Drosophila, and other animal and plant materials. Results of experimental work will be analyzed and reports submitted. Prerequisite: concurrent or prior enrollment in Genetics Lecture. Second semester.
- 365 CytoLOGY: This course is a study of prokaryotic and eukaryotic cells, their specializations, and the structure, function, and variations in their cellular organelles; the mechanism of mitosis, meiosis; chromosomal aberrations; the interactions of nucleus and cytoplasm; and cytological methods. Three 1-hour lectures and one 3-hour lab. Prerequisite: Advanced General Biology. Alternates with Microtechniques, Z-361, and is offered on odd-numbered years. First semester.
- 410 Food Microbiology: A course concerned with those species of micro-organisms of economic importance to food and fermentation industries as they relate to problems of food poisoning and food-borne infections, pollution, spoilage, spoilage control and sanitation. Two lectures and two three-hour laboratory periods per week. Prerequisite: General Bacteriology. First semester.
- 412 General Parasitology: A general study of parasitism including the parasites of man. Lectures devoted to a phylogenetic survey of the parasitic animal groups. Laboratory provides experience in examination of host animals, detection and identification of major locally occurring parasitic groups. Two lectures and one three-hour laboratory per week. Offered alternate years with Organic Evolution. Prerequisite: Advanced General Biology or consent of instructor. Second semester, even numbered years.
- 423 Bioecology: A survey of the physical factors of the environment and the biological interrelationships of organisms and their effect on the mode of life and distribution of plants and animals. Three lectures per week. Prerequisite: Advanced General Biology or consent of instructor. First semester.
- 424 Bioecology Laboratory: Field investigations into the broad areas of aquatic and terrestrial eco-systems. Study of population and community dynamics, structures, fluctuations, etc. Prerequisite: Advanced General Biology or consent of instructor and Systematic Botany. Weekend field trips will be taken. Concurrent or prior enrollment in Bioecology. First semester.
- 498, 499 Biology Seminar: A review of pertinent literature on selected topics. Restricted to senior biology majors. Each semester.

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**Notes:**
- 365 CytoLOGY: This course is a study of prokaryotic and eukaryotic cells, their specializations, and the structure, function, and variations in their cellular organelles; the mechanism of mitosis, meiosis; chromosomal aberrations; the interactions of nucleus and cytoplasm; and cytological methods. Three 1-hour lectures and one 3-hour lab. Prerequisite: Advanced General Biology. Alternates with Microtechniques, Z-361, and is offered on odd-numbered years. First semester.
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- 498, 499 Biology Seminar: A review of pertinent literature on selected topics. Restricted to senior biology majors. Each semester.
SCHOOL OF ARTS & SCIENCES
Department of Biology

Upper Division

302 Plant Anatomy — 3 credits
This course is designed to acquaint the student with the internal structure of plant tissues, tissue systems and organs from a developmental standpoint. The study will be limited to the higher plants with emphasis on the Angio-sperms. Two lectures and two 2-hour labs. Prerequisite: Advanced General Biology or consent of instructor. Alternates with Plant Morphology. Second semester, odd numbered years.

311 Plant Morphology — 4 credits
The student will become familiar with differences in the embryology, development, physiology, anatomy and reproductive cycle of the various plant taxa. Three one-hour lectures, two two-hour labs per week. Prerequisites: Advanced General Biology. Organic Chemistry recommended. Alternates with Plant Anatomy. Second semester, even numbered years.

401 Plant Physiology — 4 credits
Plant physiology will emphasize the physical and chemical processes of plant body functions. It includes a study of cellular tissue and organ functions, the mineral requirements of the plant, its metabolism, water uptake, photosynthesis, compounds synthesized by plants and a brief discussion of soil chemistry. Prerequisite: Advanced General Biology and Elementary Organic Chemistry. General Physics and Plant Anatomy are recommended. First semester.

EH ENVIRONMENTAL HEALTH

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

301-302 Environmental Sanitation — 3 credits
First semester — A critical review of federal, state, and city ordinances affecting food processing and handling. Second semester — Areas of special community sanitation problems concerning such as waste disposal, insect and rodent control, industrial hygiene, and radiological sanitation, etc. Each semester.

350 Public Health Field Training — 8 credits
Study of actual public health problems, code, compliance, recording procedures, degrading procedure, etc. Prerequisite: Environmental Sanitation. Summer.

401 Public Health Administration — 2 credits
Organization, administration and functions of the various health agencies. Prerequisite: Environmental Sanitation. First semester.

FS FORESTRY

Lower Division

101 General Forestry — 2 credits
A general survey of the entire field of forestry, the history and social importance of forestry, timber management and propagation of the important trees of the U.S. Two lectures per week. Second semester.

Z ZOOLOGY

Lower Division

107 Human Physiology and Anatomy — 5 credits
For students in Home Economics, Pre-Nursing and Physical Education. Designed to give a general knowledge of the more important physiological problems and of the anatomical structure and functions of the human body. Three lectures and two two-hour laboratory periods per week. Not open for credit to students who have completed Advanced General Biology. Each semester.

Upper Division

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

305 Entomology — 4 credits
A study of the biology of insects with emphasis on their ecology, classification, morphology, physiology, and control. The course includes exercises in collecting and identification of local species. Two lectures and two 3-hour laboratory periods per week. Prerequisite: Advanced General Biology or consent of instructor sometime during the academic year which precedes their enrollment in this course in order that they may commence their collecting of specimens during the more productive summer months. First Semester.

307 Invertebrate Zoology — 4 credits
Morphology, phylogeny and natural history of the marine invertebrate animals and terrestrial arthropods exclusive of the insects. Two lectures and two three-hour laboratories per week. Prerequisite: Advanced General Biology or consent of instructor. Second semester.

341 Ornithology — 3 credits
A lecture, laboratory and field course dealing with the classification, structure, identification, distribution and behavior of birds. Two lectures and one two-hour laboratory period each week. Prerequisite: Natural History of the Vertebrates. Alternates with Mammalogy and is thus offered on even numbered years. Second semester.

351 Vertebrate Embryology — 4 credits
An analysis of the development of vertebrates with special emphasis on the experimental approach to morphogenetic processes dealing with the classification, structure, identification, distribution and behavior of birds. Two lectures and two three-hour laboratories per week. Prerequisite: Advanced General Biology or consent of instructor. Second semester.

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

361 Microtechnique — 3 credits
A study of the theory and practical application of procedures involving fixation, staining, preparation of paraffin sections and whole mounts, and histochemical techniques. One hour lecture and two 3-hour laboratory periods. Prerequisite: Advanced General Biology or consent of instructor. Alternates with Cytology, B-365, and is offered on even numbered years. First semester.

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

401 Mammalian Physiology — 4 credits
Lectures and laboratory exercises in animal physiology dealing with the basic physiological functions of cells, tissues, and organ systems of vertebrate animals. Prerequisite: Advanced General Biology and Elementary Organic Chemistry. Three lectures and one 3-hour laboratory period per week. Second semester.

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

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

DEPARTMENT OF CHEMISTRY
Jack L. Dalton, Chairman
Professors: Dalton, Hibbs, Spulnik
Associate Professors: Emerson, Peterson (E)
Assistant Professors: Banks, Carter, Ellis

REQUIREMENTS FOR CHEMISTRY MAJOR

I. Liberal Arts Option:
1. General College and Baccalaureate Degree Requirements. See pages 33-35.
2. Major requirements:
   A. Chemistry........................................ 45
      General Chemistry.............................. 10
      Organic Chemistry.............................. 10
      Physical Chemistry............................. 8
      Analytical Chemistry.......................... 5
      Advanced Inorganic Chemistry.............. 4
      Instrumental Analysis........................ 4
      Chemistry Seminar............................ 2
      Chemistry Preparation or Independent Study 2
   B. Mathematics.................................... 10-18
      Completion of Mathematics through Calculus M-206.
   C. Physics......................................... 11
   3. Recommended Electives
      Foreign Language
      Upper Division Mathematics
      Upper Division Physics
      Life Science Courses

II. Secondary Education Option:
1. General College and Baccalaureate Degree Requirements. See pages 33-35.
2. Major Requirements:
   A. Chemistry........................................ 39
      General Chemistry.............................. 10
      Organic Chemistry.............................. 10
      Physical Chemistry............................. 8
      Analytical Chemistry.......................... 5
      Advanced Inorganic Chemistry.............. 4
      Chemistry Seminar............................ 2
   B. Mathematics.................................... 10-18
      Completion of Mathematics through Calculus M-206.
   C. Physics......................................... 11
   3. Education Requirements
      Foundations of Education
      Educational Psychology
      Secondary School Methods
      Secondary Student Teaching
      Education Electives

55
SCHOOL OF ARTS & SCIENCES
Department of Chemistry

CHEMISTRY MAJOR

Liberal Arts
(Suggested Program)

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SOPHOMORE YEAR:

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JUNIOR YEAR:

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Secondary Education Option
(Suggested Program)

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JUNIOR YEAR:

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Course Offerings

C CHEMISTRY

Lower Division

100 Concepts of Chemistry — 4 credits
A descriptive, non-mathematical course designed to acquaint students with the science of chemistry and chemistry's relationship to other fields of study and to modern life. This course cannot serve as a prerequisite to any other Chemistry course, nor will it serve a part of a Chemistry sequence. Students who have received credit for C-102 or C-112 may not receive credit for C-100. Three lectures and one 3-hour laboratory per week. Each semester.

*101-102 Introduction to Chemistry — 4 credits
This course is designed for those students whose curriculum does not require an intensive study of chemistry. The course deals with fundamental principles of chemistry. First semester - atomic and molecular structure, states of matter, general reactions, and solutions. Second semester - ionization, equilibrium, redox, electrochemistry and an introduction to Organic Chemistry. The second semester also includes introductory, semi-micro, qualitative analysis. Three lectures and one 3-hour laboratory period per week. Each semester.

*111-112 General Chemistry — 5 credits
A thorough study of the fundamentals and principles of chemistry involving their application to various elements. The second semester includes qualitative analysis on the semi-micro scale. This course is designed for those students whose curriculum requires a considerable knowledge of chemistry. Three lectures and two 3-hour laboratory periods per week. Recitations are included in the laboratory sessions. Prerequisite: high school chemistry. Each semester.

*207-208 Elementary Organic Chemistry — 3 credits
An introductory course covering the fundamental principles and applications of organic chemistry. Designed for those students who do not require an intensive study of chemistry. Two lectures and one 3-hour laboratory per week. Prerequisite: Chemistry C-102 or C-112. Each semester.

211 Analytical Chemistry — 5 credits
Quantitative application of mass and volume relationships and of chemical equilibria to gravimetric and volumetric analysis. Three lectures and two 3-hour laboratory periods per week. Prerequisite: General Chemistry C-112. Each semester.

Upper Division

*317-318 Organic Chemistry Lecture — 3 credits
A comprehensive study of organic compounds with emphasis on reaction mechanisms and synthesis. Designed to fulfill the requirements of Chemistry majors, Chemical engineers, and professional and preprofessional students. Three lectures per week. Prerequisite: General Chemistry C-112. Each semester.
319-320 Organic Chemistry Laboratory — 2 credits
The first semester will cover the basic lab techniques used in Organic Chemistry and organic preparations. The second semester will deal with the interpretation of spectra and qualitative analysis. Two three-hour labs per week. Prerequisite: Chemistry 217-218 or concurrent enrollment. Each semester.

321-322 Physical Chemistry — 4 credits
A study of chemical thermodynamics, reaction kinetics, phase equilibria, electrochemistry, absorption, molecular structure, and quantum theory. Three lectures and one 3-hour lab per week. Prerequisite: General Chemistry C-112, General Physics PH-102 or Physics PH-221, and Calculus and Analytic Geometry M-206 or equivalent. Each semester.

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

402-402 Advanced Inorganic Chemistry — 2 credits
The first semester will cover atomic and molecular structure periodic properties, acid-base properties and the chemistry of the elements. The second semester includes chemical bonding, complex ions, coordination compounds, nonaqueous solutions and nuclear reactions. Two lectures per week. Prerequisite: two years of college chemistry. Each semester.

411 Instrumental Analysis — 4 credits
Theory and practice of the more common instrumental methods of analysis, laboratory experience with commercial instruments. Two lectures and two three-hour labs per week. Prerequisite: Analytical Chemistry C-311. Second semester.

417, 418 Chemical Preparations — Organic — 1 credit
A course designed to give students practical experience in the preparation of Organic compounds. The student will be assigned a number of compounds to prepare. May be taken either in one semester for 2 credits or in two semesters for 1 credit each semester. Prerequisite: Organic Chemistry C-218 and Senior standing. Offered on demand.

421, 422 Chemical Preparations — Inorganic — 1 credit
A course designed to give students practical experience in the preparation of inorganic compounds. The student will be asked to prepare a number of compounds. May be taken either in one semester for 2 credits or in two semesters for 1 credit each semester. Prerequisite: Physical Chemistry C-321 and C-322 and Senior standing. Offered on demand.

431 Introduction to Biochemistry — 3 credits
A study of the chemistry of biologically important compounds, and an introduction to metabolism. Three lectures per week. Prerequisite: C-208 or C-218. Second semester.

432 Biochemistry Laboratory — 1 credit
Identification, isolation, and reaction of biologically important compounds. One 3-hour laboratory per week. Prerequisite: C-431 or concurrent enrollment. Second semester.

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

*Certain courses cover somewhat similar subject matter, and credit cannot be granted for both courses. Credits for C-101, 102 will not be allowed if credit is given in C-111, 112. Credits for C-207, 208 will not be allowed if credit is given in C-317, 318.

* A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course. A comma between course numbers indicates either course may be taken independently of the other.

SCHOOL OF ARTS & SCIENCES
Department of Communications

DEPARTMENT OF COMMUNICATION

Dr. Robert R. Boren, Chairman
Associate Professors: Boren, Pitman, Warwick
Assistant Professors: Demoux, French

Instructors: Demoux, French

REQUIREMENTS FOR COMMUNICATION MAJOR

1. Completion of general college requirements for Bachelor of Arts degree as listed on pages 33-35.

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM 111</td>
<td>Fundamentals of Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>CM 201</td>
<td>Methods of Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>CM 221</td>
<td>Communication Process</td>
<td>3</td>
</tr>
<tr>
<td>CM 421</td>
<td>Theories of Communication</td>
<td>3</td>
</tr>
<tr>
<td>CM 498</td>
<td>Communication Seminar</td>
<td>2</td>
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<td></td>
<td>Courses for Area of Emphasis</td>
<td>26-29</td>
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<tr>
<td></td>
<td>Total</td>
<td>40-43</td>
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</table>

COMMUNICATION MAJOR

Bachelor of Arts Program

(Suggested Programs)

INTERPERSONAL COMMUNICATION EMPHASIS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. CM-131</td>
<td>Listening</td>
<td>3</td>
</tr>
<tr>
<td>CM-251</td>
<td>Discussion Methods</td>
<td></td>
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<tr>
<td>CM-307</td>
<td>Interviewing</td>
<td>3</td>
</tr>
<tr>
<td>CM-431</td>
<td>Small Group Process</td>
<td>8-9</td>
</tr>
<tr>
<td>B. CM-171</td>
<td>Mass Communication: Concepts and Perspectives</td>
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<tr>
<td>CM-341</td>
<td>NonVerbal Communication</td>
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<tr>
<td>CM-351</td>
<td>SocioCultural Communication</td>
<td>8-9</td>
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<tr>
<td>CM-361</td>
<td>Organizational Communication</td>
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<tr>
<td>CM-412</td>
<td>Persuasion</td>
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<tr>
<td>CM-478</td>
<td>Public Relations</td>
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<tr>
<td>C. CM-321</td>
<td>History of Rhetorical Theories</td>
<td>3</td>
</tr>
<tr>
<td>CM-331</td>
<td>History of Public Address</td>
<td></td>
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<tr>
<td>CM-332</td>
<td>Contemporary American Address</td>
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<tr>
<td>D. CM-112</td>
<td>Argument and Debate</td>
<td>3</td>
</tr>
<tr>
<td>CM-113</td>
<td>Competitive Speaking</td>
<td></td>
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<tr>
<td>CM-121</td>
<td>Voice and Diction</td>
<td>6-7</td>
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<tr>
<td>CM-211</td>
<td>Intermediate Speech Communication</td>
<td></td>
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<tr>
<td>CM-241</td>
<td>Oral Interpretation</td>
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<tr>
<td>CM-231</td>
<td>Speech Construction and Delivery</td>
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<tr>
<td>CM-271</td>
<td>Journalistic Communication: Theory and Practice</td>
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<tr>
<td>CM-273</td>
<td>Reporting and News Writing</td>
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<tr>
<td>CM-451</td>
<td>Communication Practicum</td>
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<tr>
<td>CM-471</td>
<td>Radio-TV Newswriting</td>
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<td></td>
<td>Total</td>
<td>40-43</td>
</tr>
</tbody>
</table>

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SCHOOL OF ARTS & SCIENCES
Department of Communications

MASS COMMUNICATION EMPHASIS:
1. General College Requirements
2. Departmental Core Requirements
3. Suggested Courses, as follows:
   A. CM-171-172 Mass Communication: Concepts and Perspectives
   B. CM-272 Journalistic Communication Theory and Practice
   C. CM-171-172 Mass Communication: Concepts and Perspectives

SECONDARY EDUCATION EMPHASIS:
1. General College Requirements
2. Departmental Core Requirements
3. Suggested Courses, as follows:
   A. CM-241 Oral Interpretation
   B. CM-401 Methods of Teaching Communication Arts
   C. CM-171-172 Mass Communication: Concepts and Perspectives
   D. CM-211 Voice and Diction
   E. CM-351 Socio-Cultural Communication

Course Offerings

CM COMMUNICATION

Lower Division

102 Professional Speech Communication — 2 credits
A course designed especially for two-year preprofessional curricula. Theory and principles involved in oral communication. Introduction to argumentation and delivery of extemporaneous speeches. Each semester.

111 Fundamentals of Speech-Communication — 3 credits
Fundamental principles of public speaking; audience analysis; interest and attention factors; listening, selection and organization of speech material; delivery. Practice in preparation and delivery of extemporaneous speeches. Students may not earn credits in this course and in Professional Speech Communication CM-102. Each semester.

112 Argumentation and Debate — 3 credits
Introduction to Argumentation and Debate and the role of each in a free society. Preparation for and participation in phrasing and analyzing propositions; briefing and presenting evidence; studying persuasion, refutation, fallacies of argument. Either semester.

113 Competitive Speaking — 3 credits
A concentrated study of and practice in intercollegiate contest speaking; for example: expository, persuasive, oratorical, interpretive and extemporaneous speaking. Either semester.

114 Intercollegiate Debate — 1 credit
Preparation for and participation in competitive debate using the current intercollegiate debate topic. Prerequisite: CM-112 or permission of the instructor. Each semester.

121 Voice and Diction — 3 credits

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

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

201 Methods of Inquiry — 3 credits
Introduction to methods of inquiry used in communication research, emphasizing their value and utility.

221 Communication Process — 3 credits
An introduction to and analysis of the process and problems in Communication. Emphasis upon contributions from speech and related disciplines. Each semester.

231 Speech Construction and Delivery — 3 credits
The theory and practice of speech construction. Application to specific audience situations. Delivery of manuscript speeches. Practice in various mass media. First semester.

241 Oral Interpretation — 3 credits
Practice in reading prose, poetry, and drama to help the student determine the logical and emotional meaning of a selection and project that meaning to his listeners. A portion of the time is spent in voice development. Either semester.

251 Discussion Methods — 3 credits
Study and practice in small group interaction, includes theory and concepts of planning and performing, social climate and group decision-making. Second semester.

271-272 Journalistic Communication: Theory and Practice — 3 credits
An experiential based study of journalistic theory and practice. Emphasis is placed on the production of mass media content, through closed circuit radio and television productions and laboratory publications. Not to be taken concurrently with Communication 171-172. CM 271- Fall semester. CM 272-Spring semester.

273-274 Reporting and News Writing — 3 credits
Fundamentals of reporting, from techniques of interviewing and fact-gathering through the construction of the news story. Emphasis will be placed on accuracy, conciseness and clarity in writing. Includes study of elements of newspaper styles — usage, grammar, punctuation, capitalization — and the use of copyreading symbols. Prerequisite: CM 171 or 172 or consent of instructor, and ability to use typewriter. Each semester.

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

Upper Division

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

311 Speech-Communication for Teachers — 3 credits
A course to improve prospective teachers’ command of the communication processes used in effective teaching; emphasis on situations that confront teachers, instruction in phonetic analysis of American English speech sounds, assistance in self-improvement through the mastery of speech methods. Each semester.

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

314 Intercollegiate Debate — 1 credit
Preparation for and participation in competitive debate using the current intercollegiate debate topic. Prerequisite: CM-114 or permission of the instructor. Each semester.

321 History of Rhetorical Theories — 3 credits
A study of the major rhetoricians from the classics of Aristotle, Plato, Sophists, Quintilian through Medieval-Renaissance and Modern, (Blair, Campbell, Whately) to contemporary theories of oral discourse. Either semester.

331 History of Public Address — 3 credits
A study of great addresses throughout history. An evaluation of the address, the spokesman, the historical context in which they spoke, their ideas and the effect of their advocacy on society. Fall semester.

332 Contemporary American Address — 3 credits
A continuation of Public Address covering the United States in the years 1960 to present. Spring semester.

341 Non-Verbal Communication — 2 credits
An examination of the function of non-verbal language codes in Communication. An analysis of space, time, color, form, and vocal language codes inherent in all areas of human communicative interaction. Emphasis on individual projects demonstrating non-verbal communication. Fall semester.

351 Socio-Cultural Communication — 3 credits
An analysis of societal and cultural influences on effective interpersonal Communication. A critical examination of specific communication problems and suggested correctives related to the function of society and culture. Alternate years.

361 Organizational Communication — 3 credits
The application of Communication theory and methodology to the study of Communication within the formal organization. Theories and problems of human Communication within and between organizations. Fall semester.

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

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

375 Student Publications Techniques — 2 credits
A survey of techniques of writing, editing, layout, and design. Students without formal training or experience in Journalism will develop skills in newspaper production both by classwork and by work on the student newspaper. Students will meet in regular class and lab sessions under the supervision of the instructor. Each semester.

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

401 Methods of Teaching Communication
Arts — 3 credits
Analysis and planning of curriculum for speech-communication and drama. Instructional materials and methods of teaching speech and drama. Attention to classroom instruction techniques, development of behavioral objectives, forensics program management and play production. Spring semester.

412 Persuasion — 3 credits
Theories of human motivation as operative in individuals and groups; the role of evidence, reasoning, and ethical proof; the analysis of persuasive materials. Spring semester.

421 Theories of Communication — 3 credits

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

451 Communication Practicum — 1-4 credits
Directed study emphasizing the practical application of skills and theory relevant to human communication. An opportunity to focus on areas of special interest to the student. Prerequisite Senior standing. May be repeated for a total of 4 credits.

471 Radio-TV Newswriting — 2 credits
Practice writing of radio-tv news, including timing and arrangement of material, adding script to film, techniques for condensing stories, deciding the importance of story material. Preparation of "headlines," five and ten minute broadcasts. Prerequisite: Reporting and Newswriting CM 273-274. Fall semester.

478 Public Relations — 3 credits

498 Communication Seminar — 2 credits
A study of speech-communication problems together with presentation of paper(s) based on research into problems. Prerequisite: Senior standing. Each semester.
# REQUIREMENTS OF ENGLISH MAJORS

**Bachelor of Arts Degree**

## I. Completion of general college requirements for Bachelor of Arts. See Pages 33-35.

## II. English major requirements

<table>
<thead>
<tr>
<th>CREDITS</th>
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<tbody>
<tr>
<td>A. Required courses for all majors</td>
<td>29</td>
</tr>
<tr>
<td>1. Survey of British Literature</td>
<td>6</td>
</tr>
<tr>
<td>2. History of Literary Criticism</td>
<td>3</td>
</tr>
<tr>
<td>3. Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>4. Pre-1800 British Literature</td>
<td>6</td>
</tr>
<tr>
<td>5. Post-1800 British or American Literature</td>
<td>6</td>
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<tr>
<td>6. Introduction to Language Studies</td>
<td>3</td>
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<tr>
<td>7. Senior Seminar</td>
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<tbody>
<tr>
<td>B. Required courses in English Options</td>
<td></td>
</tr>
<tr>
<td>1. Liberal Arts Option:</td>
<td></td>
</tr>
<tr>
<td>a. Competence in a Foreign Language Equivalent to that gained by 2 years of college instruction.</td>
<td></td>
</tr>
<tr>
<td>b. History of the English Language</td>
<td>3</td>
</tr>
<tr>
<td>c. English Electives, of which 3 must be American Literature credits. (The American Literature may be lower division)</td>
<td>18</td>
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<tr>
<td>Grand Total:</td>
<td>21</td>
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</table>

2. Secondary Education Option:

<table>
<thead>
<tr>
<th>CREDITS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>d. Applied English Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>e. Oral Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>f. Teaching English Composition</td>
<td>3</td>
</tr>
<tr>
<td>g. English Electives, of which 3 must be American Literature credits. (The American Literature may be lower division)</td>
<td>12</td>
</tr>
<tr>
<td>h. Professional courses required by the department and which count toward certification</td>
<td>21</td>
</tr>
</tbody>
</table>

1) Methods of Teaching Secondary School English

2) Speech Communication for Teachers

Grand Total:

1) Liberal Arts Option — 50 credits, plus a foreign language

2) Secondary Education Option — 50 credits, plus required professional courses. (See Part V for required Professional Education courses.)
Course Offerings

E ENGLISH

Students who transfer from other schools with qualifying scores on objective tests, equivalent to those administered to Boise State College 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 requirement.

Lower Division

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

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

102 English Composition — 3 credits
Practice in expository writing based on analysis and interpretation of imaginative literature. Study of basic literary terms and methods, and of the relationship between literature and human experience. Prerequisite: E-101 or consent of Department Chairman. Each semester.

103 English Composition — 3 credits
Continuation of E-120 with special emphasis on vocabulary development; reading and development of skill in written English. For foreign students with TOEFL scores (or equivalent) of 500 or below. Practice in speaking & listening to current American English; reading and vocabulary development; elementary principles of English Composition. Prerequisites: Admission to college, recommendation of Foreign Student Advisor and consent of instructor.

Credit not applicable toward requirements for graduation.

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

122 Composition and Reading for Foreign Students — 3 credits
Practice in college level reading and composition; development of special vocabulary skills related to students individual needs; advanced English sentence structure. For foreign students with TOEFL scores (or equivalent) of 500-550. Prerequisites: Admission to college, recommendation of Foreign Student Advisor and consent of instructor. The sequence E-122-123 satisfies the E-101 requirement for foreign students.

123 Advanced English Composition for Foreign Students — 3 credits
Study of and practice in the principles of formal and informal written English; principles of the essay and research paper; continuation of vocabulary development and mastery of the more complex types of English structure. Prerequisites: Admission to college, recommendation of Foreign Student Advisor and consent of instructor. The sequence E-122-123 satisfied the E-101 requirement for foreign students.

201 Advanced Expository Composition — 3 credits
An advanced writing course for students who wish to develop skills beyond those acquired in English Composition. Students examine specimens of professional writing as well as criticizing the work of other students. Extensive writing practice stressing organization, clarity and effectiveness. Each semester.

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

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

230 Western World Literature — 3 credits
Homer through Dante. Prerequisite: E-102. Fall semester.

235 Western World Literature — 3 credits
Renaissance to Present. Prerequisite: E-102. Spring semester.

240 Survey of British Literature to 1790 — 3 credits
Prerequisite: E-102. Fall semester.

240 Survey of British Literature: 1790 to Present — 3 credits
Prerequisite: E-102. Spring semester.

270 Survey of American Literature — 4 credits
A survey of American literature from the Colonial writers to the modern writers. Prerequisite: E-102. Each semester.

Upper Division

301 Teaching English Composition — 3 credits
Methods and techniques for teaching English composition in secondary schools, with emphasis on individualization of instruction, student-centered activity, creativity, and integration of composition into all the other aspects of the total English program. Limited to teachers, students with a secondary option and a major or minor in English, or consent of the Department. Prerequisites: Upper Division standing, and LI 305, introduction to Language Studies, or inservice teacher. Either semester.

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

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

320 Non-British Western World Drama — 3 credits
Aeschylus through Racine. Prerequisite: junior standing and E-102 or consent of the Department Chairman. Either semester.

336 Nineteenth-Century Continental Literature — 3 credits
Prerequisite: Junior standing and E-102 or consent of Department Chairman. Fall semester, alternate years.

388 Twentieth-Century Continental Literature — 3 credits
Prerequisite: Junior standing and E-102 or consent of Department Chairman. Spring semester, alternate years.

340 Chaucer — 3 credits
A detailed study of the poetic works of Geoffrey Chaucer. Prerequisite: E-240. Fall semester, alternate years.

341 Medieval Non-Dramatic Literature — 3 credits
A detailed study of epic and romance genres in translation without concern for national limitations. Prerequisite: E-240 and junior standing. Either semester, alternate years. Not offered 1972-73.

345 Shakespeare: Tragedies and Histories — 3 credits
A study of representative Shakespearean Tragedies and Histories. Prerequisite: E-240. Spring semester.
DEPARTMENT OF ARTS & SCIENCES
Department of English

346 Shakespeare: Comedies and Romances — 3 credits
A study of representative Shakespearean Comedies and Romances. Prerequisite: E-240. Fall semester.

347 Spenser — 3 credits
Prerequisite: Junior standing and E-240 or consent of Department Chairman. A study of the Faerie Queene and minor works. Either semester, alternate years. Not offered 1972-73.

348 Renaissance Non-Dramatic Literature — 3 credits
A study of non-dramatic Renaissance Literature prior to 1603. Prerequisite: E-240. Either semester, alternate years.

349 Renaissance British Drama: Non-Shakespearean — 3 credits
Prerequisite: Junior standing and E-240 or consent of Department Chairman. Spring semester, alternate years. Not offered 1972-73.

350 Earlier Seventeenth Century Non-Dramatic Literature — 3 credits
A study of the poetry and prose written by English authors such as Donne, Jonson, Bacon, Burton, and Marvell, who flourished during the first sixty years of the 17th century. Prerequisite E-240. Either semester, alternate years.

351 Milton — 3 credits

352 Dryden, Pope and Their British Contemporaries — 3 credits
Prerequisite: Junior standing and E-240 or consent of Department Chairman. Fall semester, alternate years.

353 Swift, Johnson and Their British Contemporaries — 3 credits
Prerequisite: Junior standing and E-240 or consent of Department Chairman. Spring semester, alternate years.

354 British Novel: Beginnings through Scott — 3 credits
Prerequisite: Junior standing and E-240 or consent of Department Chairman. Fall semester.

355 Dryden, Pope and Their British Contemporaries — 3 credits
Prerequisite: Junior standing and E-240 or consent of Department Chairman. A study of the poetry and prose written by English authors such as Donne, Jonson, Bacon, Burton, and Marvell, who flourished during the first sixty years of the 17th century. Prerequisite E-240. Either semester, alternate years.

356 Victorian Poetry — 3 credits
Tennyson, Browning and contemporaries. Prerequisite: Junior standing and E-240 or consent of Department Chairman. Spring semester, alternate years. Not offered 1972-73.

357 Victorian Prose — 3 credits
A study of important non-fiction prose works written during the Victorian period. Prerequisite: E-260 and junior standing. Spring semester, alternate years.

358 American Renaissance — 3 credits
Emerson, Hawthorne, and contemporaries. Prerequisite: Junior standing and E-270 or consent of Department Chairman. Either semester.

359 American Realism — 3 credits
Twain, James, and contemporaries. Prerequisite: Junior standing and E-270 or consent of Department Chairman. Either semester.

360 Methods of Teaching Secondary School English — 3 credits
Study of traditional and modern theories and methods of teaching composition, language and literature at the secondary level. Prerequisite: Introduction to Language Studies LI 305. Fall semester.

361 Literature of the American West — 3 credits
Prerequisite: Junior standing and E-270 or consent of Department Chairman. Either semester.

362 Twentieth-Century Anglo-American Fiction — 3 credits
Prerequisite: Junior standing and one semester of E-260 or E-270 or consent of Department Chairman. Either semester.

363 Twentieth-Century Anglo-American Poetry — 3 credits
Prerequisite: Junior standing and one semester of E-260 or E-270 or consent of Department Chairman. Either semester.

364 Twentieth-Century Anglo-American Drama — 3 credits
Prerequisites: Junior standing and one semester of E-260 or E-270 or consent of Department Chairman. Either semester.

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

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

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

LI LINGUISTICS

305 Introduction to Language Studies — 3 credits
A general survey of contemporary language study as it is carried on in the fields of linguistics, anthropology, semantics, psychology, and communication theory. Fall semester.

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

309 History of the English Language — 3 credits
A study of the periods in the development of English: Indo-European and Germanic backgrounds; development of writing; internal and social forces of change; dialects of English. Concentrated work with written documents in English language history. Prerequisite: LI-305 or consent of Department Chairman. Spring semester.
SCHOOL OF ARTS & SCIENCES
Department of Foreign Languages

DEPARTMENT OF FOREIGN LANGUAGES

Chairman

Associate Professors: deNeufville, Valverde
Instructor: Rodriguez
Special Lecturers: Herbert, Torbet

REQUIREMENT FOR A FOREIGN LANGUAGE TEACHING MINOR

In order to be recommended by the Department of Foreign Languages to teach a foreign language, the student must have completed a minimum of 6 hours of upper division literature and 6 hours of upper division conversation and composition in that language, and 3 hours of an upper division course in methods of teaching foreign languages.

FL FOREIGN LANGUAGE

310 Methods of Teaching Foreign Languages — 3 credits
A lecture-discussion course intended for prospective and in-service language teachers. Various aspects of language teaching are considered, including classroom techniques, problems, audio-visual materials, and testing. Outside reading and a notebook required. Prerequisite: a minimum of two years of the same foreign language, or in-service teaching. Spring semester.

F FRENCH

Lower Division

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

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

Upper Division

301-302 Survey of French Literature — 3 credits
An introduction to the major writers and trends of the French literary tradition. Selections and complete works of poetry, fiction, theatre, and essay are studied. In the first semester, the Middle Ages through the 18th century are covered; in the second semester, the 19th and 20th centuries. Classes are conducted mostly in French. Prerequisite: F 201-202 or demonstrated proficiency. Meets the literature requirement for the baccalaureate degrees. Each semester.

303-304 French Composition and Conversation — 3 credits
Intended to further stimulate clarity, simplicity, and precision in oral and written French; and to lay the foundations for literary studies. Class conducted entirely in French. Prerequisite: F 201-202 or demonstrated proficiency. Each semester.

G GERMAN

Lower Division

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

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

Upper Division

301-302 Survey of German Literature — 3 credits
An introduction to the major writers and trends of the German literary tradition. Selections and complete works of poetry, fiction, theatre, and essay are studied. In the first semester, the Middle Ages through the 18th century are covered; in the second semester, the 19th and 20th centuries. Classes are conducted mostly in German. Prerequisite: G 201-202 or demonstrated proficiency. Meets the literature requirement for the baccalaureate degrees. Each semester.

303-304 German Conversation and Composition — 3 credits
Intended to further stimulate clarity, simplicity, and precision in oral and written German; and to lay the foundations for literary studies. Class conducted entirely in German. Prerequisite: G 201-202 or demonstrated proficiency. Each semester.

S SPANISH

Lower Division

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

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

Upper Division

301-302  Survey of Spanish Literature — 3 credits
A historical survey of the Spanish literature from the early Middle Ages to modern times. Reading and interpretation of major literary as well as socio-cultural trends, with assigned oral and written reports; development of powers of interpretation, critical insight. Lectures and class participation are in Spanish. Prerequisite: Intermediate Spanish S-201 and S-202. Meets the literature requirement for baccalaureate degrees. Each semester.

303-304  Spanish Conversation and Composition — 3 credits
Intended to further stimulate clarity, simplicity, and precision in oral and written Spanish; and to lay the foundation for literary studies. Class conducted entirely in Spanish. Prerequisites: S 201-202 or demonstrated proficiency. Each semester.

DEPARTMENT OF GEOLOGY

Dr. Kenneth Hollenbaugh, Chairman

Professors: Warner
Associate Professors: Hollenbaugh, Wilson (M)
Assistant Professors: Nichols, Spinosa

The Department of Geology provides two degree programs in geology and non-degree course offerings in geography. The curriculum leading to the Bachelor of Science 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 Bachelor of Science 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.

In addition to the courses formally offered in both curricula, a student may receive credit for courses given under the heading of Special Topics or for Independent Study as explained on page 31. Any one of the following Special Topics may be offered either semester in response to sufficient student demand: biostratigraphy, geochemistry, glacial and Pleistocene geology, mining geology, petroleum geology, regional geology, and regional field study and report writing.

It is strongly recommended that high school students who plan to enter the geology or earth science curriculum include chemistry, physics, and as much mathematics as is available to them, in their high school program.
### GEOLOGY MAJOR

**Suggested Program**

#### FRESHMAN YEAR:
- **English Composition**: 3 SEM.
- **Physical Geology**: 4 SEM.
- **Historical Geology**: 4 SEM.
- **Mathematics**: 5 SEM.
- **Chemistry**: 4 SEM.
- **Total SEM.**: 16

#### SOPHOMORE YEAR:
- **Mineralogy**: 4 SEM.
- **Petrology**: 4 SEM.
- **General Physics**: 4 SEM.
- **Degree Requirements**: 3 SEM.
- **Electives**: 4 SEM.
- **Total SEM.**: 15

#### JUNIOR YEAR:
- **Sedimentology**: 4 SEM.
- **Stratigraphy**: 4 SEM.
- **Structural Geology**: 3 SEM.
- **Paleontology**: 3 SEM.
- **Degree Requirements**: 6 SEM.
- **Electives**: 4 SEM.
- **Total SEM.**: 17

#### SENIOR YEAR:
- **Field Geology**: 4 SEM.
- **Seminar**: 1 SEM.
- **Upper Division Geology**: 3 SEM.
- **Upper Division Electives**: 6 SEM.
- **Upper Division Electives in Geology**: 6 SEM.
- **Total SEM.**: 16

### EARTH SCIENCE EDUCATION MAJOR

**Suggested Program**

#### FRESHMAN YEAR:
- **English Composition**: 3 SEM.
- **Physical Geology**: 4 SEM.
- **Historical Geology**: 4 SEM.
- **Mathematics**: 5 SEM.
- **Chemistry**: 4 SEM.
- **Total SEM.**: 16

#### SOPHOMORE YEAR:
- **Foundations of Education**: 3 SEM.
- **Geography**: 3 SEM.
- **General Physics or General Biology**: 4 SEM.
- **Ocean Geology**: 3 SEM.
- **Meteorology**: 3 SEM.
- **General Psychology**: 3 SEM.
- **Degree Requirements**: 6 SEM.
- **Astronomy**: 4 SEM.
- **Total SEM.**: 17

#### JUNIOR YEAR:
- **Upper Division Geology**: 4 SEM.
- **Degree Requirements**: 3 SEM.
- **Upper Division Electives**: 7 SEM.
- **Geomorphology**: 3 SEM.
- **Total SEM.**: 17

#### SENIOR YEAR:
- **Educational Psychology**: 3 SEM.
- **Upper Division Geology**: 6 SEM.
- **Seminar**: 1 SEM.
- **Secondary School Methods**: 3 SEM.
- **Student Teaching**: 6 SEM.
- **Education Electives**: 6 SEM.
- **Upper Division Electives**: 2 SEM.
- **Audio Visual Aids**: 16 SEM.
- **Total SEM.**: 16

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**SCHOOL OF ARTS & SCIENCES**

**Department of Geology**

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**JUNIOR YEAR:**
- **Upper Division Geology**: 4 SEM.
- **Degree Requirements**: 3 SEM.
- **Upper Division Electives**: 7 SEM.
- **Geomorphology**: 3 SEM.
- **Total SEM.**: 17

**SENIOR YEAR:**
- **Educational Psychology**: 3 SEM.
- **Upper Division Geology**: 6 SEM.
- **Seminar**: 1 SEM.
- **Secondary School Methods**: 3 SEM.
- **Student Teaching**: 6 SEM.
- **Education Electives**: 6 SEM.
- **Upper Division Electives**: 2 SEM.
- **Audio Visual Aids**: 16 SEM.
- **Total SEM.**: 16
Course Offerings

GO GEOLOGY

Lower Division

100 Fundamentals of Geology — 4 credits
An introduction to the principles of physical and historical geology. Topics include weathering, erosion, glaciation, volcanism, earthquakes, the study of rocks, minerals, and 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 8-hour sequence in geology. Three lectures and one three-hour lab per week. Each semester.

101 Physical Geology — 4 credits
A study of the origin and development of the earth’s materials, land forms, internal structures, and the physical processes acting on and in the earth that produce continuous change. Topics include weathering, erosion, glaciation, volcanism, metamorphism and igneous activity, mountain building, earthquakes, and the origin of continents, ocean basins, and landscapes. The laboratory provides instruction and practice in the identification of rocks and minerals, and the use of topographic and geologic maps. Three lectures and one three-hour laboratory per week. Field trips required. Each semester.

103 Historical Geology — 4 credits
A study of the origin and progressive development of the earth and evolution of plants and animals. The geologic history of the earth is treated in considerable detail. Prehistoric life and fossil study as well as field trips to fossil beds are included in the laboratory work. Three lectures and one three-hour laboratory per week. Prerequisite: Physical Geology. Each semester.

105 Rocks and Minerals — 3 credits
A systematic study of rocks and minerals, with emphasis on physical characteristics and methods of identification. Field trips and laboratory sessions are part of the course for those taking the class for credit. Prerequisite: High school chemistry or permission of the instructor. Either semester.

201 Introduction to Ocean Geology — 3 credits
A general study of the physiography, the structures, and the sedimentary processes and environments of the ocean floor and the geologic processes and environments represented thereby. Methods and instruments of ocean floor investigation are also studied. Two one-hour lectures per week. Prerequisite: Historical Geology. Second semester.

213 Introduction to Meteorology — 3 credits
An introduction to the study of weather phenomena in terms of origin, distribution, and classification. Instruments and research methods are also investigated. Prerequisite: Physical Geology. Three one-hour lectures. Second semester.

221 Mineralogy — 4 credits
A study of genesis, distribution and classification of minerals. This includes some crystallographic, optical, and chemical methods. Laboratory work consists of mineral analysis and observation by the use of microscopes, chemicals, and models. Three one-hour lectures and one three-hour laboratory per week. Prerequisite: Historical Geology and College Chemistry or concurrent registration in College Chemistry. First semester.

222 Petrology — 4 credits
Study of igneous, sedimentary, and metamorphic rocks with emphasis on physical and chemical conditions controlling the origin, occurrence, and association of the various rock types. Field relationships, identification of rocks in hand specimen, and an introduction to microscopic analysis. Three one-hour lectures and one three-hour lab per week as well as two all-day Saturday field trips. Prerequisite: Mineralogy. Second semester.

250 Principles of Paleontology — 3 credits
A course designed for non-geology majors, especially those planning to teach in the biological sciences. The course provides an overview of the various fields of paleontology. Evolution, taxonomy, and descriptions of important fossil groups will be stressed. Laboratory periods will be used to study small collections of the more important phyla and to introduce the student to simple museum techniques of fossil preparation and display. A term paper or project is required. Two one-hour lectures and one three-hour laboratory per week. Prerequisites: Any introductory course in geology, biology, zoology, or botany or consent of the instructor. Either semester.

311 Sedimentology — 4 credits
A study of the classification of sedimentary rocks and all processes involved in their genesis. Major headings are weathering, erosion, transportation, deposition and diagenesis. Geologic environments of each process and each rock type are studied. Laboratory work consists of microscopic, chemical and other analyses of sedimentary rocks and of a study of the methods and instruments used in statistical treatment of sediments for mapping and research purposes. Three one-hour lectures and one three-hour laboratory per week. Prerequisite: Mineralogy. First semester.

312 Stratigraphy — 4 credits
The study of sedimentary strata with chronostratigraphy as its special aim. Emphasis is placed on genetic environments, natural sequences of formations and facies, and correlation techniques. The classification and dating of sedimentary units is the end result. Three one-hour lectures and one three-hour laboratory per week. Prerequisite: Sedimentology. Second semester.

313 Geomorphology — 3 credits
A study of the external physiographic features of the earth’s surface such as mountains, valleys, beaches, and rivers and the processes by which they are formed and changed. Laboratory work consists of map studies and field investigations. Two lectures and one three-hour laboratory per week. Prerequisite: Historical Geology. First semester.

314 Structural Geology — 4 credits
A study of the physical nature of rocks, the origin, description, classification, and interpretation of deformed structures of the earth’s crust, and the principal theories of deformation and orogeny. Lab problems in recognition and analysis of geologic structures, the geometry of faults and folds, construction of maps and cross sections, and the use of aerial photos. Field trip. Three lectures and one three-hour lab per week. Prerequisite: Historical Geology and College Algebra and Trig. First semester.

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

322 Petrography — 4 credits
An introduction to the study of rocks in thin section by means of the polarizing microscope. The interpretation of the origin and history of igneous, metamorphic, and sedimentary rocks based primarily on features observed in this section. A systematic survey of the major rock types with emphasis on textures, mineralogy, and classification. Prerequisite: GO 321. Spring semester.
351, 352 Invertebrate Paleontology — 3 credits
A course designed for geology majors and majors in related disciplines. It is a study of the invertebrate phyla with special emphasis on hard-part morphology, ontogeny, phylogeny, paleoecology, taxonomy and biostratigraphic usefulness of the geologically more important groups. Laboratory work consists of study of representative fossils from standard collections. Additional laboratory work involves preparation, handling and study techniques of fossils which the student collects during the several field trips. These one-hour lectures and one three-hour laboratory per week. Field trips required. Prerequisites: Historical Geology or Advanced General Biology. Each semester.

403 Engineering Geology — 3 credits
Application of geology to engineering projects. Aspects of geology include selected principles from structural geology, petrology, geomorphology, photo geology, geohydrology and soil mechanics. These principles are applied to construction and maintenance of transportation routes, dams, canals, bridges, building foundations and tunnels. Case histories of major projects are studied. Two lectures and one three-hour laboratory per week. Field trips. Prerequisite: Historical Geology or Advanced General Biology. Each semester.

412 Groundwater Geology — 3 credits
A study of the origin of water found beneath the earth’s surface and the geologic conditions which permit the movement, work, and accumulation of water in subsurface materials. Emphasis is placed on structural, sedimentational, and stratigraphic conditions most conducive to the formation of ground water reservoirs. Three one-hour lectures per week. Prerequisite: Structural geology and stratigraphy or permission of instructor. Second semester.

421 Ore Deposits — 3 credits
The genesis, structure, mineral associations and classification of economic deposits of minerals. Discussion of modern theories of ore deposition, origin and migration of ore-bearing fluids, and the processes of alteration, secondary enrichment, paragenesis, and zoning. Consideration is given to the controls or ore occurrence and to the economics of exploration, development, and use of ores. Three lectures per week. Field trip required. Prerequisites: Mineralogy and Structural Geology. Second semester.

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

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

GG GEOGRAPHY

Lower Division

101 Introduction to Geography — 3 credits
A comprehensive survey of various environments of man in a study of world patterns and major regions with emphasis on the utilization of globes, interpretation and construction of maps. The course introduces basic concepts and techniques used in geography, utilization of natural resources, distribution of population and outstanding problems of each region. Both semesters.

DEPARTMENT OF HISTORY

Dr. Warren Vinz, Chairman

Professors: Caylor, Lovin

Associate Professors: Barrett, Gould, Ourada, Vinz

Assistant Professors: Bryant, Fletcher, Seward, Sims, Sylvester, Tozer

Instructors: Ligget

REQUIREMENTS FOR HISTORY MAJOR

Bachelor of Arts Program

I. Liberal Arts Option
   1. General College requirements to include:
      Federal Government ........................................... 3
      Foreign Language or equivalent (a minimum of) ............. 8

   2. History requirements:
      A. Lower Division Courses .................................... 15
         History of Western Civilization .......................... 9
         United States History ...................................... 6
      B. Upper Division Courses (a minimum of) .................. 25
         History Seminar ........................................... 2
         Study and Methods of History ............................ 2
         American History Elective ................................ 3
         Study and Methods of History ............................ 2

   3. Electives ...................................................... 28-36

II. Secondary Education Option
   1. General College requirements to include:
      Federal Government ........................................... 3

   2. History requirements:
      A. Lower division courses .................................... 15
         History of Western Civilization .......................... 9
         U.S. History ................................................... 6
      B. Upper Division Courses (a minimum of) .................. 25
         American History Elective ................................ 3
         Study and Methods of History ............................ 2

   3. Educational requirements for State Certification for Secondary Education ......................................... 20

   4. Electives ...................................................... 18

III. History Minor Option
   1. Completion of the following courses: ........................ 21
      U.S. History ................................................... 6
      Federal Government ........................................... 3
      History of Western Civilization .......................... 6
      History or Political Science Electives ...................... 3
      Upper Division American History Elective ................. 3

28-36
Course Offerings

HY HISTORY

Lower Division

101, 102, 103 History of Western Civilization — 3 credits
First semester: The development of European civilization from classical antecedents to the twelfth century, A.D.; Second semester: The development of the early modern European works from the twelfth century to 1815; Third semester: The development and expansion of western civilization worldwide since 1815. Each semester.

151, 152 United States History — 3 credits
First semester: The history of American civilization from Pre-Columbian days to 1877 with emphasis given to the development of the union and expansion. Second semester: A survey of the significant factors influencing American development from the Civil War to the present, including the growth of American business, and the emergence of the nation to a world power. Each semester.

298 American Heritage — 2 credits
An introductory course to an Eastern seaboard trip; provides a survey of the early and contemporary contributions to our American heritage. Historical and governmental sites to be visited include Williamsburg, Washington, D.C., and New York City. The credit allowance in this course is subject to the student's participating in the tour and doing the required work. The course is open on an audit basis for other interested students. Second semester or Summer.

Upper Division

300 The Study and Methods of History — 2 credits
The methods of historical research — selection and evaluation of source materials, interpretation, synthesis — and the preparation of scholarly written papers. Required for all history majors by the completion of the junior year. Open to selected students in other majors with permission of the instructor. Either semester.

303 The Enlightenment and French Revolution — 3 credits

307 Germany and the Quest for Unity, 1848-1970 — 3 credits
The struggle for German unity in modern times, and the relation of this issue to the origins of the two World Wars. The problem will be traced through the "opening to the east" inspired by Willy Brandt. Prerequisite: HY-103. Not offered in 1972-73.

308 France and the Quest for Stability, 1814-1968: — 3 credits
The failure of Frenchmen in the 19th and 20th centuries to achieve political and social equilibrium. The problem will be traced through the establishment of the Fifth Republic by Charles De Gaulle. Prerequisite: HY-103. Not offered in 1972-73. Either semester alternate years.

309 The Renaissance — 3 credits
A study of European society, economic development, artistic expression and humanism, and political concepts, with attention to both the Renaissance in Italy and in the North. Prerequisite: HY-102. First Semester, alternate years. Not offered 1972-73.

310 The Reformation — 3 credits
Survey of Church-State relationships to include the Babylonian Captivity, the Great Schism, the impact of the national state, and the theological and political philosophies of reformers from Wycliffe to the Council of Trent. Consideration will be given to the world wide impact of Protestantism, the Catholic Reformation, and dissident minority sects. Prerequisite: HY-102. First semester, alternate years.

311, 312 History of England — 3 credits
First semester: Survey of the major cultural, political, economic and religious developments in England from the beginning to 1603. Second semester: Great Britain from the seventeenth century to the present. Prerequisite: History of Western Civilization HY-101, HY-103 or consent of the instructor. Each semester, alternate years. Not offered 1972-73.

313, 314 History of Russia — 3 credits
First semester: Survey of the origins and development of the Kievan and Muscovite states to the eighteenth century. Second semester: A study of the major cultural and economic institutions as well as the growth of political power by the state from the eighteenth century to the present. Prerequisite: History of Western Civilization HY-102, HY-103. HY-313 not offered 1972-73. Either semester, alternate years.

315, 316 History of the Far East — 3 credits
A survey of the major powers of the Orient — their internal political and cultural development. Each semester.

319 Ancient Greece — 3 credits
A study of the political, social, and cultural development from the Cretan civilization through the Hellenistic period, with stress on those tendencies and achievements which have influenced later developments in Western Civilization. Prerequisite: History of Western Civilization HY-101. Either semester, alternate years.

320 Ancient Rome — 3 credits
Political, social and cultural history from the Etruscans to the 5th century A.D., with stress on those tendencies and achievements which have influenced later developments in Western Civilization. Prerequisite: History of Western Civilization HY-101. Either semester, alternate years.

321 Medieval History — 3 credits
The political, economic and cultural development of Mediaeval Europe from the fifth to the fourteenth century. Prerequisite: History of Western Civilization HY-102. Suggested additional preparation, HY-101. Either semester.

331, 332 History of the Near and Middle East — 3 credits

351 Colonial America — 3 credits
Colonial rivalry in North America; an investigation of the political organizations, social institutions, economic development, and the war for American independence. Prerequisite: United States History HY-151. Second semester.

352 The Federal Period, 1783-1815 — 3 credits
The United States from the end of the Revolution through the War of 1812. Emphasis on the government under the Articles of Confederation; drafting and implementing the Constitution; the rise of political parties; and the War of 1812. Prerequisite: United States History HY-151. Either semester.

353 The National Era, 1815-1848 — 3 credits
The development of American nationalism; the Era of Good Feelings; the emergence of Jacksonian Democracy; Manifest Destiny; the beginnings of sectional rivalry; and the Mexican War. Prerequisite: United States History HY-151. Either semester.
354  Civil War and Reconstruction — 3 credits
   A study of the origins of the conflict between the states, the
   encounter and the problems of reunification. Prerequisite:
   United States History HY-151. Second semester. Not offered
   in 1972-73.

355  Western America — 3 credits
   The frontier as a region in transit from the Atlantic seaboard
   to the Pacific. Emphasis will be given to the migration
   of people in the Trans-Mississippi West. Prerequisite: United
   States History HY-151. Second semester.

357  Idaho and the Pacific Northwest — 3 credits
   Political, economic and social development of the Pacific
   Northwest with emphasis upon the people, customs, and institu-
   tions of Idaho. Prerequisite: United States History HY-151.
   First semester.

358  Emergence of Modern America, 1877-1917
   — 3 credits
   The industrial growth of the United States; emergence as a
   world power; Roosevelt, Wilson, and the Progressive Era. Pre-
   requisite: United States History HY-151. First semester.

359  Recent United States, 1917 to Present — 3 credits
   Versailles and post-war disillusionment; boom and bust of
   the 20's: the Great Depression and FDR's New Deal; reappearance
   on the world scene; World War II and its aftermath. Pre-
   requisite: United States History HY-152. Second semester.

361, 362  Diplomatic History of the United States
   — 3 credits
   Development of diplomacy from the foundation of the Repu-
   blic to the present. Attention will be given to the impact of
   domestic developments upon the formulation of foreign poli-
   cies. Prerequisite: United States History HY-151 and HY-152.
   HY-361 second semester. HY-362 not offered 1972-73. Second
   semester, alternate years.

363g, 364g  United States Social and Cultural History
   — 3 credits
   United States social and cultural development from colonial
times to the present. Attention will be given to the nature and
meaning of the United States national experience by examining
customs, traditions, and intellectual developments in their his-
torical context. Prerequisite: HY-151-152. Not offered in 1972-
73. Each semester, alternate years.

367  Colonial Spanish America — 3 credits
   The development of distinctive Spanish American societies
   through the merging of medieval Spanish with Amerind and Afri-
can cultures in South and Middle America, all within the frame-
work of European political rivalries. The course concludes with
the independence wars of the early nineteenth century. Prere-
quisite HY-102. First semester.

368  Spanish American Nations — 3 credits
   The struggle towards democracy, economic progress, and
   political stability of Spanish American nations since their
   achievement of independence. Emphasis is on the Andean, Mid-
   dle American and Caribbean areas, including their relations with
   the United States. Prerequisite HY-367. Second semester.

498  History Seminar — 2 credits
   Study of a selected problem in history. Paper based on re-
   search into problem to be prepared and reported to the seminar.
   Required for History Major, Liberal Arts option; recommended
   for History Major, Secondary Education option. Prerequisite:
   Senior standing. Either semester.

The objective of the department of home economics
is to provide training of high quality for each of the stu-
dent categories listed below.

A. Students who expect to obtain a baccalaureate
   degree with a major in home economics but who
   will be required to transfer to another school to
   complete their upper division training.

B. Students from other disciplines who choose to
   minor in home economics. Twenty-six hours of
   credit in home economics may be earned and
   applied to one's minor.

C. Students from other disciplines who will benefit
   from courses in home economics, such as stu-
   dents in Fashion Merchandising, Nursing and
   Interior Decorating.

D. Students who appreciate the wide offering of
   subject matter in home economics and can enjoy
   the opportunities for creative activity provided in
   selecting electives from this field.

E. Students who are interested in preparation for
   homemaking as a career.

F. Students who are not primarily interested in
   credit but in the development of skills, such as
   those enrolled in our night program.

The curriculum outlined is designed for those stu-
dents who are interested in a professional career in home
conomics education, food management in commercial
and educational institutions, nursery school education,
consumer services relating to housing and equipment,
community service organizations, clothing and textiles,
or the cooperative Extension Service. Prior to register-
ing, a student should, if possible, determine the school
in which she will enroll for her upper division training so
that registration can be made with the requirements of
the prospective school in mind. Students whose interest
is the development of understanding and skills which will
contribute to the well-being of the individual, family and
community are not required to register for laboratory
science.
SCHOOL OF ARTS & SCIENCES
Department of Home Economics

HOME ECONOMICS CURRICULUM

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>1st SEM.</th>
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<tbody>
<tr>
<td>Laboratory Science</td>
<td>4</td>
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<tr>
<td>English Composition</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Introduction to Home Economics</td>
<td>1</td>
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<tr>
<td>Clothing</td>
<td>3</td>
<td></td>
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<tr>
<td>Art</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Textiles</td>
<td></td>
<td>3</td>
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<tr>
<td>Physical Education Activities</td>
<td>1</td>
<td>1</td>
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<tr>
<td>Clothing Selection</td>
<td></td>
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<tr>
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SOPHOMORE YEAR:

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>House Planning</td>
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<tr>
<td>Introduction to Foods</td>
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<tr>
<td>Home Furnishings</td>
<td></td>
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</tr>
<tr>
<td>Nutrition</td>
<td></td>
<td>3</td>
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<tr>
<td>Social Science (History, Political Science)</td>
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<td>Microbiology</td>
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<td>Physiology and Anatomy</td>
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<td>Psychology</td>
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<tr>
<td>Introduction to Sociology</td>
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Total credits: 16, 16

Lower Division

101 Introduction to Home Economics — 1 credit
    Designed to acquaint the freshman student with the field of home economics. Emphasis on opportunities in the professional fields, organization of program, choice of vocation, personal qualifications for living and working with people. One hour discussion each week. First semester.

103 Clothing — 3 credits
    Majors and non-majors. Designed for students interested in clothing construction and solution of individual fitting problems. Emphasis on current speed techniques. Basic, intermediate and advanced projects may be selected according to the student's creativity, ability and choice. Unusual media may be used such as leather and knits. Total of five projects with approximate cost of $35.00. One hour lecture and two 3-hour laboratory periods per week. Each semester.

107 Clothing Selection — 2 credits
    A study of the sociological and psychological foundations of clothing selection emphasizing principles of design as related to the individual's figure proportions, personality and need. Study of selection, purchase and care of ready-to-wear apparel, fabrics and accessories. Two lectures per week. Second semester.

109 Textiles — 3 credits
    Relationship of raw materials, construction, and finish to quality and cost. Study of natural and synthetic textile fibers, yarns and fabrics; selection of appropriate fabrics for various uses; considering wearing qualities and care required. Two hours lecture and one 2-hour laboratory each week. Open to men and women. Second semester.

111 Fashion Analysis and Design — 2 credits
    Recognition of fashion trends, basic silhouettes, lines, styles and details of garment construction. Creative expression in fabric interpretation and adaptation of costumes and accessories from period research and other sources. Two lectures each week. First semester.

Recommended Electives: Fashion Analysis and Design.

201 Introduction to Foods — 3 credits
    Basic principles of food preparation: consideration of factors which will affect quality, nutritive value and acceptability of foods. Laboratory experience in approved techniques of food preparation to yield products of standard quality. Two hours lecture and two 3-hour laboratory periods per week. Second semester.

203 House Planning — 3 credits
    Basic considerations in house planning: planning for economy, comfort and beauty in house construction. Evaluation of housing and floor plans in terms of family needs, interior and exterior design, materials, financing, methods of construction. Housing in relation to the family and community. Three lectures each week. Open to men and women. Second semester.

207 Nutrition — 3 credits
    Study of fundamentals of nutrition as a factor in maintaining good health. Present day problems in nutrition are also discussed. Three lectures each week. Open to all students. First semester.

Upper Division

303 Advanced Clothing, Tailoring — 3 credits
    Basic principles used in garment construction applied through actual construction of a suit, coat or pants suit. At least one garment done using wool, other garment could be a choice between knit or woven fabric. Personal master pattern is developed for each garment. Common fitting problems are studied and solutions derived. Thorough study of interfacings and tailoring stitches discussed. Current sewing techniques emphasized for present day fabrics. Prerequisite: Clothing H.E. 103. Recommended: Textiles H.E. 109. Two 3-hour laboratories each week. Second semester.

305 Home Furnishings and Interior Design — 3 credits
    Color and design; selection and arrangement of furniture and furnishings, floor coverings, wall and window treatment, lighting, interior finishes, accessories, china, glass, and silver, flower arrangement. Three lectures each week. Open to men and women. First semester.
DEPARTMENT OF
MATHEMATICS

Dr. Giles W. Maloof, Chairman
Professors: Maloof
Associate Professors: Hughes, Juola, Kerr, Takeda, Tucker, Winans
Assistant Professors: Anderson, Ekblaw, Ferguson, Lamet, Mech, Peterson (D), Smartt, Sulanke, Ward, Young (J)

REQUIREMENTS FOR
MATHEMATICS MAJOR

Bachelor of Arts or Bachelor of Science Programs

I. Mathematics Options:
1. College requirements for B.A. or B.S. degree, including electives.
2. The following mathematics requirements are common to all of the four following curricula:
   - Calculus through M-206.
   - M-124 (EN-104) [Fortran Programming]
   - M-126 (Mathematics of Programming) or M225 (EN-225) Applied Fortran Programming
   - Upper division mathematics 27 or more credits
   - One or more of:
     - M-301 Linear Algebra (4)
     - M-302 Abstract Algebra (3)
     - M-306 Number Theory (3)
   - One or more of:
     - M-314 Foundations of Analysis (3)
     - M-406 Complex Variables (3)
   - One or more of:
     - M-361 Fundamental Statistics (4)
     - M-362 Probability (4)
     - M-431-432 Probability and Statistics (3-3)
   - Three or more semester courses, including a sequence, at the 400 level (9-12)
   - M-406 or M-431-432 which may be used in specific area requirements are also allowed in satisfying this requirement to the overall requirement of 27 upper division hours in mathematics.

II. Secondary Education Option:
1. Requirements for B.A. or B.S. degree.
2. Mathematics requirements
   - Lower division mathematics through M-206
   - M-124 (EN-104)
   - Upper division mathematics Minimum 19 credits
   - M-301 Linear Algebra (4)
   - M-302 Abstract Algebra (3)
   - M-311 Foundations of Geometry (3)
   - M-314 Foundations of Analysis or M-406 Complex Variables (3)
   - M-361 Fundamentals of Statistics (4) or M-362 Probability and Statistics (4) or M-431-432 Probability and Statistics (6)
   - M-490 Mathematics in Secondary Schools (3)
   - Electives (Recommended. M-225 (EN-225), M-126, M-306, M-312)
   - Education Requirements 20 credits (M-490 counts as an education elective)
   - 45 semester hour major or a 30 semester hour major with a 20 semester hour minor.

THE MATHEMATICS OPTIONS
(Suggested Programs)

ACADEMIC CURRICULUM

(Dr. Takeda)

FRESHMAN YEAR:

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<td>Social Science</td>
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<tr>
<td>Accelerated Calculus M-211</td>
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<td>Accelerated Calculus M-212</td>
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SOPHOMORE YEAR:

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<td>Programming M-225</td>
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<td>Foundations of Analysis M-314</td>
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<tr>
<td>Linear Algebra M-301</td>
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<td>Abstract Algebra M-302</td>
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15 18

JUNIOR YEAR:

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<tr>
<td>Language</td>
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<td>Advanced Calculus M-401-2 or Abstract Algebra M-441-2</td>
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<td>Mathematics Elective</td>
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16 17

SENIOR YEAR:

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<td>Electives</td>
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<tr>
<td>Language</td>
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14 or 15 14 or 15

71
### COMPUTER SCIENCE CURRICULUM

(Dr. Ekblaw)

#### FRESHMAN YEAR:

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>English Composition (E-101-102)</td>
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<td>3</td>
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<tr>
<td>History</td>
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<td>3</td>
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<tr>
<td>Programming M-124</td>
<td>2</td>
<td>4</td>
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<tr>
<td>Programming (M-126)</td>
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<td>5</td>
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<tr>
<td>Calculus (M-112-205)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
<td>1</td>
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<tr>
<td>Principles of Accounting</td>
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17 18

#### SOPHOMORE YEAR:

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<tbody>
<tr>
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<td>Calculus (M-206)</td>
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<td>Complex Variable (M-406) or</td>
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<td>Foundations of Analysis (M-314)</td>
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<td>Science</td>
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<td>Foreign Language</td>
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<td>Principles of Management (MG-301)</td>
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15-16 17-18

#### JUNIOR YEAR:

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<td>Foreign Language</td>
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<td>Social Science</td>
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<tr>
<td>Numerical Analysis (M-340)</td>
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<td>4</td>
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<tr>
<td>Statistics (M-361)</td>
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<td>Systems Programming (M-451)</td>
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<tbody>
<tr>
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<tr>
<td>Probability and Statistics (M-431-432)</td>
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<tr>
<td>Advanced Calculus (M-401-402)</td>
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<td>COBOL (DP 360)</td>
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<td>Data Processing Application (DP 405)</td>
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15 15

### MATHEMATICS CURRICULUM

(Dr. Ferguson; Dr. Young)

#### FRESHMAN YEAR:

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<tr>
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<tbody>
<tr>
<td>English Composition (E-101-102)</td>
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<td>Mathematics (M-112-205)</td>
<td>5</td>
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<tr>
<td>Degree Electives</td>
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16 16

#### SOPHOMORE YEAR:

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<tbody>
<tr>
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<tr>
<td>Calculus (M-206)</td>
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<td>General Psychology</td>
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<tr>
<td>Foundations of Education</td>
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<tr>
<td>Linear Algebra (M-301)</td>
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#### JUNIOR YEAR:

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<td>Foundations of Analysis (M-314)</td>
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<tr>
<td>Fundamentals of Statistics (M-361)</td>
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<tr>
<td>or Probability (M-362)</td>
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<tr>
<td>Educational or Adolescent Psychology</td>
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<td>Mathematics in Secondary Schools</td>
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<td>Secondary Student Teaching</td>
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### SECONDARY EDUCATION OPTION

(Suggested Program)

#### FRESHMAN YEAR:

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<td>Degree Electives</td>
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<td>Calculus (M-206)</td>
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<td>Linear Algebra (M-301)</td>
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#### JUNIOR YEAR:

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<td>Fundamentals of Analysis (M-314)</td>
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<td>Probability and Statistics (M-431-432)</td>
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#### SENIOR YEAR:

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<tr>
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16 16

### MATHEMATICAL STATISTICS CURRICULUM

(Dr. Juola)

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16 15

#### JUNIOR YEAR:

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<tr>
<th>Course</th>
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<th>2ND SEM</th>
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<tbody>
<tr>
<td>Linear Algebra (M-301)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Abstract Algebra (M-302)</td>
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<td>Fundamentals of Analysis (M-314)</td>
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17 16

#### SENIOR YEAR:

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<td>Advanced Calculus (M-401-402)</td>
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<td>Numerical Analysis (M-340)</td>
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<td>Electives</td>
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16 16
# APPLIED MATHEMATICS CURRICULUM

(Dr. Hughes)

<table>
<thead>
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<tr>
<td>English Composition (E-101-102)</td>
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<td>Calculus (M-112)</td>
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<tr>
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<td>Literature</td>
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<td>History</td>
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<td>Physics II (PH-221)</td>
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<td>Physics Lab I (PH-223)</td>
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<td>Physics Lab II (PH-224)</td>
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<td>Advanced Engineering Math (M-321)</td>
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<td>Mechanics (EN-205)</td>
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<tr>
<td>Linear Algebra (M-301)</td>
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<td>Modern Physics (PH-311)</td>
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<td>Modern Physics (PH-312)</td>
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<tr>
<td>Numerical Analysis (M-340) or Systems Programming (M-451)</td>
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<tr>
<td>Introduction to Electrical Engineering (EN-221)</td>
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<td>Network Analysis (EN-223)</td>
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<td>Complex Variable (M-406)</td>
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<tr>
<td>Applied Math (M-422)</td>
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<td>Electricity and Magnetism (PH-381)</td>
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<tr>
<td>Electricity and Magnetism (PH-382)</td>
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<td>Thermodynamics (EN-320)</td>
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<tr>
<td>Fluid Mechanics (EN-301)</td>
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*The Student may, upon consultation with his advisor, substitute other math and science courses for those listed in Physics and Engineering during his junior and senior year.*

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# Course Offerings

**M MATHEMATICS**

## Lower Division

### 012 Arithmetic Review — 0 credits

Fundamental operations with real numbers, linear equations and stated problems. For students with little or no algebra who want to review pre-algebra mathematics. Summer session.

### 020 Algebra Review — 0 credits

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

### 100 A Cultural Approach to Mathematics — 4 credits

Designed for liberal arts students. The course provides an opportunity to acquire an appreciation of the nature of mathematics and its relations to other aspects of our culture. The humanistic aspect of mathematics is emphasized to help cultivate creativity and abstract thought processes that are rigorous but not rigid. Prerequisite: A year of high school mathematics, or consent of instructor. Each Semester.

### 103-104 Modern Mathematics for Elementary Teachers

**— 3 credits**

Fundamental concepts of mathematics including the study of place value and bases, arithmetic operations, the postulates for the set of real numbers, and fundamental algebraic and geometric principles. Designed for elementary teachers. Prerequisite: One year of high school algebra and plane geometry or permission of the instructor. Placement will also be determined by a test given on the first meeting of M-103. Each semester.

### 105 Fundamental Concepts of Mathematics — 4 credits

Sets, logic, basic analysis, matrices, linear programming, the simplex method, elementary game theory. Designed primarily for non-science students. Prerequisite: M-020 or two years of high school algebra, or one year of high school algebra and a satisfactory placement score. Placement will be determined by a test given on the first meeting of M-105 and by the ACT mathematics subscore. Each semester.

### 106 Fundamental Concepts of Mathematics — 4 credits

Calculus: introduction to probability and statistics, introductory ideas from Operations Research. Designed primarily for non-science students. Prerequisite: M-105 or M-111. Each semester.

### 111 Algebra and Trigonometry — 5 credits

Selected topics in college algebra together with plane geometry and calculus. Prerequisite: the passing of a placement test in algebra or a grade of "satisfactory" in M-020. Each semester.

### 112 Calculus and Analytic Geometry — 5 credits

Analytic geometry of the straight line, functions, limits, continuity, derivatives and algebraic functions with applications, definite and indefinite integrals with applications. Prerequisite: M-111 or the passing of a placement test in algebra and trigonometry. Each semester.

### 124 (EN-104) Digital Computer Programming — 2 credits

Course for engineering, science or mathematics majors to introduce programming principles and logic. Consideration given to input-output, flow charting, handling arrays, function and subroutine subprograms, applied to problem solving. Prerequisite: M-111 or M-106 or having taken or taking mathematics beyond this level. Credit cannot be obtained for both M-124 and EN-104. Each semester.
SCHOOL OF ARTS & SCIENCES
Department of Mathematics

126 Mathematics of Programming — 4 credits
Mathematics of computer science with introductory assembly language programming. Comparison of the mathematical logic and theory behind Algol, Basic, Fortran, Compass and other systems. Discussion of binary and octal number systems as used for various languages. Prerequisite: M-124 (EN-104). Each semester.

205 Calculus and Analytic Geometry — 4 credits
Transcendental functions, methods of integration determinants, matrices and linear equations, analytic geometry of conics, polar and parametric equations. Prerequisite: M-112 or the passing of a placement test over the material of M-112. Each semester.

206 Calculus and Analytic Geometry — 4 credits
Solid analytic geometry, vectors, series, partial derivatives, multiple integrals, introduction to differential equations. Prerequisite: M-205. Each semester.

M-211-212 Accelerated Calculus — 5 credits each
Analytic geometry, functions, limits, differentiation and integration with applications; transcendental functions, methods of integration.
Vectors, solid analytic geometry, vector functions, partial derivatives, multiple integration, series, introduction to differential equations.

This course is essentially an accelerated version of the three semester sequence M-112, M-205, M-206. Prerequisite: Any of M-106, M-111, M-116 with grade of A, or a strong high school background. Yr course M-211 Fall M-212 Spring.

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

Upper Division

301 Linear Algebra — 4 credits
Linear algebra, vector spaces and matrices. Prerequisite: M-206. Each semester.

302 Introduction to Abstract Algebra — 3 credits
Sets, Boolean algebra, integral domains, groups, fields, rings and ideals. Prerequisite: M-206. Second semester.

306 Number Theory — 3 credits
Primes, congruences, Diophantine equations, residues, quadratic forms, continued fractions. Prerequisite: M-206. Second semester.

311 Foundations of Geometry — 3 credits
Euclidean, non-Euclidean, and projective geometries from an axiomatic point of view. Required of all secondary mathematics education majors. Prerequisite: M-206. First semester.

312 Combinatorial Geometry — 3 credits

314 Foundations of Analysis — 3 credits

321 Advanced Engineering Mathematics — 4 credits
Ordinary differential equations emphasizing transform methods and electrical and mechanical circuit differential equations; Fourier series and harmonic analysis; Vector calculus with line and surface integrals. Prerequisite: M-205 completed; M-206 concurrent or completed. Each semester.

331 Differential Equations — 4 credits
Ordinary and partial differential equations with applications to physical sciences and engineering. Emphasis on numerical methods for solution. Prerequisites: M-124 (EN-104) and M-206. Recommended M-225 (EN-225) or M-126. First semester.

340 Numerical Analysis — 4 credits
The application of numerical methods, general iterative methods, approximation of functions, error analysis with the implementation of computer programming. Fortran programming will be utilized. Prerequisite: M-124 (EN-104) prerequisite M-206. Second semester.

361 Fundamentals of Statistics — 4 credits

363 Probability Theory — 4 credits
The algebra of sets, set functions, probability functions, random variables, distributions, densities, generating functions, conditional probability, Markov’s inequality, central limit theorem, strong and weak laws of large numbers. Prerequisite: Concurrent enrollment in or previous completion of M-206. Second semester.

401-402 Advanced Calculus — 3 credits
The real number system, continuity, functions of several variables, partial differentiation, multiple integrals, line and surface integrals, theory of integration, transformations, infinite series. Prerequisite: M-314. Each semester.

406 Theory of Functions of a Complex Variable — 3 credits
Complex numbers, point sets, functions of a complex variable, analytic functions, infinite series, integration, conformal mapping. Prerequisite: M-206. First semester.

411 Introduction to Topology — 3 credits
Sets, metric spaces, topological spaces, continuous mappings, connectedness, function spaces. Prerequisite: M-314. First semester, alternate years.

421-422 Applied Mathematics — 4 credits

431-432 Probability and Statistics — 3 credits
Basic concepts of probability theory, sample spaces, random variables, mathematical expectation, central limit theorem, stochastic processes, estimation and testing of hypotheses. Prerequisite: M-206. Each semester.

441 Abstract Algebra I — 3 credits
Homomorphisms, prime ideals, prime radical, ring of endomorphisms, irreducible rings of endomorphisms, R-modules, Jacobson radical, descending chain condition. Prerequisite: M-301, M-302. Fall semester.

442 Abstract Algebra II — 3 credits
Polynomial rings, simple extensions, algebraic extensions, splitting fields, separable extensions, automorphisms of fields, normal extensions, Galois theory, finite fields, generic polynomials. Prerequisites: M-301, M-302. Spring semester.

451 Systems Programming — 4 credits
Introduction to machine language programming, compiled languages, program optimization, computer logic and design. Prerequisite: M-126 and M-206. Second semester.

490 Mathematics in Secondary Schools — 3 credits
Objectives, content, and methods of secondary school mathematics programs. Prerequisite: Six hours of mathematics completed at, or above, the three hundred level. First semester.
DEPARTMENT OF MUSIC

Wilber Elliott, Chairman; Donald Oakes, Associate Chairman

Professors: Bratt (C. G.)

Associate Professors: Best, Elliott, Meyer, Taylor

Assistant Professors: Baldwin, Cleveland, Hopper, Hsu, Oakes, Russell, Shelton

Instructors: Bratt (J. W.)

MUSIC MINOR

The Music Department will recognize as a minor in music (in conjunction with a major in a non-music area) a minimum of 20 hours of music credits completed. Emphases are possible in Performance, Music Theory, History/Literature, or Music Education. Details of the individual student’s curriculum are to be determined by the student in consultation with an assigned Music Minor advisor and subject to the approval of the Music Department Chairman.

I. Performance Emphasis Requirements

1. General College and Basic Core Requirements (including 3 credits of Music History in Area I) .31-34

2. Music Requirements:
   A. Music Core 40
   B. Lower Division Performance Studies 16
   C. Upper Division courses Performance Studies 29
      Keyboard Harmony 4
      Counterpoint 4
      Choral or Instrumental Conducting 1
      Advanced Form and Analysis 2
      Senior Recital 2

3. Electives 12-15
   a. Organ Majors must include MU 413-414, 4 cr.
   b. Voice Majors must include 2 semesters of MU 145, 2 cr.
   c. Other electives may be chosen from any area.
   Total: 128

II. Theory-Composition Emphasis Requirements

1. General College and Basic Core Requirements (including 3 credits of Music History in Area I) .31-34

2. Music Requirements:
   A. Music Core 40
   B. Lower Division Courses Performance Major Studies 8
      Performance Minor Studies (To be piano, unless major is a keyboard instrument) 8
   C. Upper Division Courses Performance Major Studies 32
      Advanced Form and Analysis 2
      Band and Orchestra Arranging 4
      Canon and Fugue 2
      Choral and Instrumental Conducting 2
      Continuo and Basic Improvisation 4
      Counterpoint 4
      Keyboard Harmony 4
      Music Composition 4
      Senior Composition Recital or Music Seminar 2

3. Electives (Any Area) 9-12
   Total: 128

III. Music Education Emphasis Requirements

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

1. General College and Basic Core Requirements (including 3 credits of Music History in Area I) .31-34

2. Music Requirements:
   A. Music Core 40
   B. Lower Division Courses Performance Major Studies 14
      Performance Minor Studies 8
      Functional Piano 2
      Instrumental Techniques & Methods 4
   C. Upper Division Courses Performance Major Studies 23
      Band and Orchestra Methods & Materials 2
      Band Arranging 2
      Choral and Instrumental Conducting 2
      Choral Methods and Materials 2
      Instrumental Techniques and Methods 4
      Public School Music 2
   D. Education School Requirements 12
      (General Psych — Area II) 3
      (Educational Psych — Area III) 3
      Foundations of Education 3
      Secondary School Methods 3
      Practice Teaching 6
   3. Electives (Any Area) 8-11
      Total: 128

*Instrumental majors will be allowed to delete one semester of Techniques and Methods courses involving their major instrument.
MUSIC EDUCATION MAJORS
(Suggested Program)

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<td>General Psychology</td>
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<td>English Composition</td>
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<tr>
<td>Physical Education</td>
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<tr>
<td>Beginning Harmony</td>
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<td>Music History</td>
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<td>Band and Orchestra Methods</td>
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<td>Methods and Techniques</td>
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<td>Electives</td>
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<td>Elements of Form</td>
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<td>Choral Methods</td>
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<td>Public School Music</td>
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<td>Electives</td>
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<td>Ensemble</td>
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<td>1</td>
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<tr>
<td>Performance Major</td>
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<td><strong>15-16</strong></td>
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Course Offerings

**MA MUSIC APPLIED — PERFORMANCE STUDIES**

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

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

**010 Concert Class**

The class meets weekly. Required of all full-time Music Majors and Minors, but attendance is open to any person. Minimum attendances per semester: 10 sessions for all Music Majors; 6 sessions for all Music Minors. Each semester.

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

**Strings**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>171, 371</td>
<td>Violin — 2 credits</td>
<td>Each semester</td>
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<tr>
<td>172, 372</td>
<td>Violin — 4 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>161, 361</td>
<td>Viola — 2 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>162, 362</td>
<td>Viola — 4 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>121, 321</td>
<td>Cello — 2 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>122, 322</td>
<td>Cello — 4 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>123, 323</td>
<td>String Bass — 2 credits</td>
<td>Each semester</td>
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<tr>
<td>124, 324</td>
<td>String Bass — 4 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>125, 325</td>
<td>Guitar — 2 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>126, 326</td>
<td>Guitar — 4 credits</td>
<td>Each semester</td>
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**Brass**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>109, 309</td>
<td>Applied Brass — 2 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>110, 310</td>
<td>Applied Brass — 4 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>111, 311</td>
<td>Horn — 2 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>112, 312</td>
<td>Horn — 4 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>113, 313</td>
<td>Trombone — 2 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>114, 314</td>
<td>Trombone — 4 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>115, 315</td>
<td>Trumpet (or Baritone) — 2 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>116, 316</td>
<td>Trumpet (or Baritone) — 4 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>117, 317</td>
<td>Tuba — 2 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>118, 318</td>
<td>Tuba — 4 credits</td>
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**Woodwinds**

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>189, 389</td>
<td>Applied Woodwinds — 2 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>190, 390</td>
<td>Applied Woodwinds — 4 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>191, 391</td>
<td>Bassoon — 2 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>192, 392</td>
<td>Bassoon — 4 credits</td>
<td>Each semester</td>
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<table>
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<th>Course Code</th>
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<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>193, 393</td>
<td>Clarinet — 2 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>194, 394</td>
<td>Clarinet — 4 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>195, 395</td>
<td>Flute — 2 credits</td>
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<td>196, 396</td>
<td>Flute — 4 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>197, 397</td>
<td>Oboe (or English Horn) — 2 credits</td>
<td>Each semester</td>
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<tr>
<td>198, 398</td>
<td>Oboe (or English Horn) — 4 credits</td>
<td>Each semester</td>
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<tr>
<td>199, 399</td>
<td>Saxophone — 2 credits</td>
<td>Each semester</td>
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<tr>
<td>200, 400</td>
<td>Saxophone — 4 credits</td>
<td>Each semester</td>
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**Organ**

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<th>Course Code</th>
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<tbody>
<tr>
<td>131, 331</td>
<td>Organ — 2 credits</td>
<td>Each semester</td>
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</table>

**Prerequisite:** Level 3 Piano proficiency.

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>132, 332</td>
<td>Organ — 4 credits</td>
<td>Each semester</td>
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**Prerequisite:** Level 3 Piano proficiency.

**Piano**

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<tr>
<th>Course Code</th>
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<tr>
<td>150</td>
<td>Piano Class — 1 credit</td>
<td>Each semester</td>
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Maximum 2 credits allowed. For music majors only; or by special permission of the department chairman.

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<thead>
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<tr>
<td>151, 351</td>
<td>Piano — 2 credits</td>
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<td>152, 352</td>
<td>Piano — 4 credits</td>
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**Percussion**

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<tr>
<td>141, 341</td>
<td>Percussion — 2 credits</td>
<td>Each semester</td>
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<tr>
<td>142, 342</td>
<td>Percussion — 4 credits</td>
<td>Each semester</td>
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**Voice**

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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>160</td>
<td>Voice Class — 1 credit</td>
<td>Each semester</td>
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</table>

Maximum 2 credits allowed. For music majors only; or by special permission of the department chairman.

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<thead>
<tr>
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<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>161, 381</td>
<td>Voice — 2 credits</td>
<td>Each semester</td>
</tr>
<tr>
<td>162, 382</td>
<td>Voice — 4 credits</td>
<td>Each semester</td>
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</table>

**444 Music Education/Bachelor of Arts Senior Recital**

- 1 credit

All students under the Music Education Emphasis will be required to present a half (1/2) recital in their performance major area during their senior year. This recital may also serve the Bachelor of Arts Music Major program. Prerequisite: three years or its equivalent of study in the area. Each semester.

**445 Recital**

- 2 credits

Music Performance majors may elect to perform a solo recital for two credits prior to the required senior solo recital at any time subsequent to the freshman year. The student must have permission of his teacher and the chairman of the music department. Each semester.

**446 Senior Recital**

- 2 credits

Students majoring in performance studies or composition will be required to present a senior recital on their major instrument or of their compositions. Prerequisite: Three years or its equivalent of study in the area. Each semester.
ME MUSIC, ENSEMBLE

Students planning to enroll in upper division ensemble courses (ME-300 levels) must have completed the maximum number of lower division credits for these courses. See course descriptions. All ME courses may be repeated for credit.

101, 301 College Singers — 1 credit
A general chorus open to all college students. No audition is necessary. Major choral works from all periods will be sung. Public performance(s) will be expected each semester. Concurrent enrollment in ME 101, 301 is prohibited. Maximum credits: ME 101, 4 cr.; ME 301, 4 cr. Each semester.

105, 305 Meistersingers — 1 credit
Essentially a course in unaccompanied singing which is open to all college students. The Meistersingers is the concert touring choir of the College. Concurrent enrollment in ME 101, 301 is prohibited. Prerequisite: Enrollment is by audition and Music Department approval. Maximum credits: ME 105, 4 cr.; ME 305, 4 cr. Each semester.

110, 310 Vocal Ensemble — 1 credit
A course designed to promote participation in and repertoire knowledge of music for small vocal ensembles. Literature will include music of all periods. Varying groups will be established as demand warrants. A public performance can be expected each semester. Prerequisite: Permission of instructor and concurrent enrollment in ME 101, 301 or ME 105, 305. Maximum credits: ME 110, 4 cr.; ME 310, 4 cr. Each semester.

120, 320 Band — 1 credit
An elective open to all students who can play a band instrument. Maximum credits: ME 120, 4 cr.; ME 320, 4 cr. Each semester.

125, 325 Brass Ensemble — 1 credit
A course designed to promote playing in and increasing repertoire knowledge for small brass ensembles. A public performance is required each semester. Maximum credits: ME 125, 4 cr.; ME 325, 4 cr. Prerequisite: permission of instructor. Each semester.

126, 326 Jazz Ensemble — 1 credit
A course designed to promote playing in and repertoire knowledge of jazz ensemble. Includes performance of Dixieland, be-bop, swing, big-band jazz, rock, and contemporary concert jazz. Class rehearsals will include study and discussion of problems of rhythm, notation, improvisation, ear training, and chord construction in jazz. A public performance will be required each semester. Prerequisite: consent of instructor. Maximum credits: ME 126, 4 cr.; ME 326, 4 cr. Each semester.

130, 330 Woodwind Ensemble — 1 credit
A course designed to promote playing in and increasing repertoire knowledge for small woodwind ensembles. A public performance is required each semester. Maximum credits: ME 130, 4 cr.; ME 330, 4 cr. Each semester.

140, 340 Percussion Ensemble — 1 credit
A course designed to promote playing in and repertoire knowledge of percussion ensembles. A public performance is required each semester. Prerequisite: consent of instructor. Maximum credits: ME-140, 4 cr.; ME-340, 4 cr. Each semester.

150, 350 Orchestra — 1 credit
The Boise State College Community Symphony is composed of students and experienced musicians of the community and prepares several concerts each season from the standard symphonic repertoire. An elective for non-music majors. Audition is required of new students. Maximum credits: ME 150, 4 cr.; ME 350, 4 cr. Each semester.

160, 360 String Ensemble — 1 credit
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, 4 cr.; ME 360, 4 cr. Prerequisite: permission of instructor. Each semester.

180, 380 Accompanying — 1 credit
Practical experience in accompanying vocal and instrumental students. Open to keyboard students with sufficient technique. Maximum credits: ME 180, 2 cr.; ME 380, 2 cr. Each semester.

MU MUSIC, GENERAL

Lower Division

101 Music Fundamentals — 2 credits
Primarily for Education Department students, but open to all non-music majors. Learning to read music through study of music notation symbols. Study of all scales and keys, major and minor, and elementary chord structures. Basic conducting patterns are learned and practiced. A remedial course for music majors. Each semester.

111 Beginning Harmony — 3 credits
The study of harmony through its evolutionary-historical approach: elementary sixteenth-century 2-part counterpoint through the five species in the ancient church modes; 3-part chordal harmony within the modes. Prerequisite: Students enrolling (1) must have passed the pre-harmony exam oral (2) concurrently enroll in piano or be able to pass the piano proficiency exam for their major area (see page 40, No. 4). Fall semester.

112 Beginning Harmony — 3 credits
The 4-part contrapuntal-harmonic style of J. S. Bach through the seventh chord including non-chord tones and modulation to near related keys. Prerequisite: MU 111 Beginning Harmony. Spring semester.

121-122 Beginning Ear Training — 1 credit
A course designed to correlate with Beginning Harmony MU-111 and MU-112 and which emphasizes auditory training in scales (including the modes and major and minor) and all intervals. The course includes drill in solfeggio and sight singing leading up to aural recognition of 3-part and 4-part harmonic structures. Two hours per week. Prerequisite: Previous or concurrent enrollment in Beginning Harmony, MU-111 and MU-112. Fall-Spring semesters.

133 Introduction to Music — 3 credits
An elective course open to all students and fashioned to familiarize the listener with a variety of musical expression. The emphasis is laid upon the enjoyment of music through the understanding of recorded and live music. Each semester.

145 Opera Theatre — 1 credit

211-212 Advanced Harmony — 3 credits
This course completes the study of the contrapuntal-harmonic techniques used in the Bach Chorales begun in Beginning Harmony. Added to harmonic materials already studied are the uses of altered chords, including the augmented sixth chords and Neapolitan sixth, non-chord tones and remote modulations. The student is expected to harmonize chorale melodies in the style of J. S. Bach by the time the course is completed. Most of the second semester will be used in the study of chords used since Bach and in establishing a foundation for writing in a contemporary style. Prerequisites: Beginning Harmony MU-111 and MU-112. Fall-Spring semesters.

213 Functional Piano — 2 credits
Class instruction for Music Education majors: designed to build fundamental keyboard skills through scales, chords, arpeggios and other studies. Building of a repertoire of songs and the
learning of a variety of chording techniques useful in teaching classroom music. Prerequisite: Beginning Harmony 111-112. One year of piano study recommended prior to enrollment. May be repeated once for credit. Each semester.

221-222 Advanced Ear Training — 1 credit
A continuation of Beginning Ear Training; the student will take dictation in more advanced rhythms, solfeggio and dictation in two, three, and four parts. Students will be expected to play at the keyboard, the more simple forms of the basic chords in four parts. Prerequisite: Beginning Harmony MU-111 and MU-112. Beginning Ear Training MU-121 and MU-122, and at least one year of piano, or concurrent piano study. Fall-Spring semesters.

259, 260 String Instrumental Techniques and Methods — 1 credit
Primarily for Music Education majors, this course deals with methods and materials of string class teaching in public schools, while providing the student a basic performing technique on two or more of the orchestral string instruments. Fall, Spring semesters. Fall semester: cello and string bass; spring semester: violin and viola.

261 Basic Conducting — 1 credit
Fundamental techniques of conducting: baton fundamentals, group psychology, rehearsal techniques, and simple score reading. Meets twice a week. Prerequisite: Beginning Harmony and Ear Training MU 111-112 and MU 121-122. Either semester.

263, 264 Woodwind Instrumental Techniques and Methods — 1 credit
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. Fall, Spring semesters.

Upper Division

301 Percussion Techniques and Methods I — 1 credit
This class is designed to meet the needs of students majoring in music education, and will serve to familiarize and train the students in the use of certain percussion instruments (snare drum, keyboard percussion instruments, small concert percussion, bass drum, cymbals and timpani) with emphasis on teaching methods and pedagogical materials. Fall semester.

302 Percussion Techniques and Methods II — 1 credit
This class is designed to meet the needs of students majoring in music education, and will serve to familiarize and train the students in the use of certain percussion instruments (Afro-Indo-Latin, parade percussion, drum set, multipercussion), with emphasis on teaching methods and pedagogical materials. Additional areas of study will include: the manufacture and application of appropriate implements; terminology; musical performance; instrument substitution; tensioning and tuning; maintenance; performance literature (both solo and chamber music). Spring semester.

305 History and Literature of the Romantic Era — 3 credits
Study and consideration of representative musical works from Schubert and Beethoven to Mahler and Richard Strauss. The relationship of these works to parallel movements in literature and the other arts. Prerequisite: Beginning Harmony MU 111-112. Fall semester.

306 History and Literature of the Twentieth-Century — 3 credits
Styles and characteristics of music from the last decades of the previous century to the present. Works from Mahler and Debussy to recent developments in aleatoric and electronic music; consideration of jazz and other recent influences in American music. Prerequisite: Beginning Harmony MU 111-112. Spring semester.

307 History and Literature of the Medieval and Renaissance Eras — 3 credits
The analysis of the development of Western music from Greek theory and its cultural roots through Palestrina and his contemporaries. Consideration of the music of these periods as artistic entities and foundations for subsequent expression. Prerequisite: Beginning Harmony MU 111-112. Fall semester.

308 History and Literature of the Baroque and Classical Eras — 3 credits
Development of understanding of styles and characteristics of music of these periods through score reading, listening, analysis and discussion. Works from the Gabrielsis through Haydn and Mozart. Prerequisite: Beginning Harmony MU 111-112. Spring semester.

313-314 Keyboard Harmony and Basic Improvisation — 2 credits
The student will learn to play in strict four-part harmony from figured basses and melodies, from unfigured basses and melodies, to modulate, to play familiar tunes in four parts in various keys and be instructed in the basic materials for improvising at the piano and organ. Prerequisite: Beginning Harmony MU-111 and MU-112, and Beginning Ear Training MU-121 and MU-122 for students majoring in piano or organ. For non-keyboard majors, the student must have had one to two years piano study. Fall-Spring semesters.

321-322 Counterpoint — 2 credits
A course in the study and production of operas. Permission of instructor required to register for course. Maximum 4 credits. Each semester.

345 Opera Theatre — 1 credit
A course in the study and production of operas. Permission of instructor required to register for course. Maximum 4 credits. Each semester.

359, 360 Brass Instrumental Techniques & Methods — 1 credit
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. Fall, Spring semesters. Fall semester: trumpet and French horn; spring semester: trombone, baritone, tuba.

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

366 Instrumental Conducting — 1 credit
A course designed to deal with the problems of instrumental conducting. Includes baton technique and score reading. Students will work with ensembles as laboratories for conducting experience. Meets twice a week. Prerequisite: Basic Conducting MU 261. Either semester.

371 Public School Music — 2 credits
Materials, methods and problems relating to classroom music in grades one through six. Prerequisite: Music Fundamentals MU-101 or equivalent. Each semester.

385 Choral Methods and Materials — 2 credits
Designed for Music Education majors who will be teaching vocal groups in junior and/or senior high schools. A practical workshop in selection and conducting of choral materials, rehearsal techniques, use of small ensembles, planning and organization of vocal groups. Meets three times a week. Prere-
387 Band and Orchestra Methods and Materials — 2 credits
The study of the organization and administration of bands and orchestras at the secondary school level; includes equipment purchasing, budgets, public relations, planning, rehearsal techniques, scheduling, programming, and emergency repairs of instruments. Either semester.

409 Elements of Form — 3 credits
Elements of form from both design and harmonic structure standpoints. Detailed analysis of the phrase and the simpler binary and ternary forms; cursory examination of larger forms. Prerequisite: Advanced Harmony MU 211-212. Fall semester.

410 Advanced Form and Analysis — 2 credits
Analysis of harmonic and formal structures of the larger binary and ternary forms: the sonata, the symphony, the concerto, Baroque forms. Prerequisites: Elements of Form MU 409. Spring semester.

413-414 Continuo Realization and Improvisation — 2 credits
Designed especially for organists and composition majors: other students may enter by permission of instructor. Special attention will be given to improvising the harmonies from the figured basses in the choral scores of the Baroque Period. Original work in improvisation will also be stressed. Prerequisite: Keyboard Harmony and Basic Improvisation MU-313 and MU-314. Fall-Spring semesters.

421 Canon and Fugue — 2 credits
An analytical study of the formation of canons and fugues. The student will study and write canons and canonic devices at all intervals. Fugal expositions, and complete fugues will be studied and written in three and four voices. Prerequisite: Advanced Harmony MU-211 and MU-212, and Counterpoint MU-321 and MU-322. Either semester.

455 Band Arranging — 2 credits
Required of majors in Music Education and in theory and Composition. A study of scoring and notation for brasswind, woodwind and percussion instruments and their textures in various combinations. Prerequisite: Advanced Harmony MU 211-212. Fall semester.

456 Orchestra Arranging — 2 credits
Required of Theory and Composition majors but open to other students who can qualify. A study of scoring and notation for strings and for voices in various combinations with primary emphasis on the orchestra. Prerequisite: Band Arranging MU 455. Spring semester.

461, 462 Piano Pedagogy — 1 credit
Teaching problems at all levels, appraisal of new literature, and the study of grading sequences for the piano teacher. Examples in performance and interpretation and surveys of various methods and other teaching materials. Open to prospective or current piano teachers with consent of instructor. Fall, Spring semesters.

475-476 Music Composition — 2 credits
Designed for Theory and Composition majors. The course instructs the student to compose in the larger forms, as well as in the simpler ones. Composing for various instruments and voices will be explored. Prerequisite: Beginning Harmony MU-111 and MU-112, Advanced Harmony MU-211 and MU-212 and Counterpoint MU-321 and MU-322. Non-composition majors may register with permission of the instructor. Fall-Spring semesters.

498 Music Seminar — 2 credits
A Seminar project under faculty direction. Prerequisite: Senior standing. Either semester.
COMMON SOPHOMORE YEAR:  

<table>
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<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tr>
<td>Physics II and III (PH-221-222)</td>
<td>3</td>
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<tr>
<td>Physics Lab for Engineers (PH-226)</td>
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<tr>
<td>*Humanistic-Social Elective</td>
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<tr>
<td>Introduction to Mechanics (EN-205)</td>
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<td>Introduction to Electrical Engineering (EN-221)</td>
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<tr>
<td>Calculus and Analytic Geometry (M-206)</td>
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<td>Advanced Engineering Math (M-321)</td>
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<td>(Branch Variation — See Below)</td>
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*During first semester, Chemical Engineers substitute C-217, Civil Engineers substitute EN-215.

Branch Variations:
- Agricultural Engineering
  - Life Science Elective                  | 2
  - Dynamics of Rigid Bodies (EN-206)     | 6

- Civil Engineering
  - Dynamics of Rigid Bodies (EN-206)     | 2
  - Engineering Measurements (EN-216)     | 2
  - Humanistic Social Elective            | 3

- Mechanical Engineering
  - Dynamics of Rigid Bodies (EN-206)     | 2
  - Principles of Economics (EC-201)      | 3

- Chemical Engineering
  - Organic Chemistry (C-218)             | 3
  - Principles of Economics (EC-201)      | 3

- Electrical Engineering
  - Network Analysis (EN-223)             | 4
  - Humanistic Social 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.

SCHOOL OF ARTS & SCIENCES  
Department of Physics, Engineering & Physical Science

PHYSICS

Although a formal degree is not yet offered in physics, interested students may wish to follow the applied mathematics option for a bachelors degree in mathematics. (Refer to Requirements for Mathematics Major.)

ARCHITECTURAL DESIGN

Boise State College does not offer an architectural program. Below is a list of basic courses all of which would transfer to an Architectural School. A profitable 1 to 1 1/2 years could be made up of these courses preparatory to transfer. Some colleges offer a degree in Architectural Engineering. If interested in this type of degree the student should follow the Civil option under Engineering Curriculum.

AR 103 Introduction to Art
AR 105, 106 Basic Design
AR 111, 112 Elementary Drawing
E 101, 102 English Composition
EN 101 Technical Drawing
EN 104 Digital Computer Programming
M 111 Algebra and Trigonometry
M 112 Calculus and Analytical Geometry
PH 101, 102 General Physics
PE Physical Education Requirement

Also up to 12 hours could be taken from: anthropology, economics, geography, history, philosophy, political science, psychology, or sociology.

Course Offerings

EN ENGINEERING

Lower Division

101 Technical Drawing — 2 credits  
A basic course of technical drawing procedures for those with little or no high school or work experience background in this area. Covers lettering, use of drawing instruments, geometric construction, orthographic projections, sectioning, dimensioning, pictorial drawings, working drawings and graphic solution of point line and plane problems. Two 2-hour lecture laboratory periods per week. Each semester.

104 (M-125) Digital Computer Programming — 2 credits  
Course for engineering, science or mathematics majors to introduce fortran programming principles and logic. Consideration given to input-output, flow charting, handling arrays, function and subroutine subprograms, applied to problem solving. Prerequisite: M-111 or M-106 or having taken or taking mathematics beyond this level. Each semester. Credit cannot be obtained for both EN 104 and M 125. Each semester.

107-108 Engineering Fundamentals — 2 credits  
An integrated course covering and relating such topics as professional and social responsibilities of the engineer, engineering computations, graphics and introduction to the design process. Two 2-hour lecture labs. Student should have a minimum mathematics background equal to M-111. Each semester.

205 Introduction to Mechanics — 3 credits  
Covers basic statics including equilibrium, static friction, centroids, moment of inertia plus dynamics by particle motion analysis. Kinetics of particles including concepts of force, mass, acceleration, work and energy, impulse and momentum. Corequisite: M-205. Prerequisite: PH-220. Each semester.
SCHOOL OF ARTS & SCIENCES
Department of Physics, Engineering & Physical Science

206  Dynamics of Rigid Bodies — 2 credits
Analysis of forces and the resulting motion as pertains to rigid bodies undergoing rotary and general plane motion. Prerequisite: EN 205. Second semester.

215  Basic Surveying — 2 credits
A basic course in surveying serving as both a preliminary course for engineering majors and a complete course for forestry and other non-engineering majors. Course covers use of transit, level, plane table, and computations related to elevation, traverse and stadia surveys. One lecture and one 3-hour lab. Prerequisite: M-111 or equivalent. First semester.

216  Engineering Measurements — 2 credits
A general course in surveying plus theory and practice relating to types of errors, distribution of errors and precision in measurement. One lecture and one 3-hour lab. Prerequisite: EN-215. Second semester.

221  Introduction to Electrical Engineering — 3 credits
Basic electrical theory for all engineering students. Covers both d.c. and a.c. circuits. Three lectures per week. Prerequisite: M-112. First semester.

223  Network Analysis — 4 credits
Deals with circuit analysis of advanced d.c. and a.c. circuit concepts including network theorems, frequency domain analysis and coupled circuit. Three recitations per week and one three-hour laboratory. Prerequisite: Introduction to Electrical Engineering EN-221. Second semester.

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

Upper Division

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

306  Mechanics of Materials — 3 credits

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

PS  PHYSICAL SCIENCE
Lower Division

100  Foundations of Physical Science — 4 credits
Selected concepts of matter and energy that are widely applicable toward understanding our physical and biological environment. A one-semester course for non-science majors. Three lectures and one laboratory experiment per week. Each semester.

101-102  Principles of Physical Science — 4 credits
Selected fundamental principles (motion, matter, energy) of the physical sciences are examined and applied in the various science areas. A year sequence course for non-science majors. Three lectures and one laboratory experiment per week. PS-101 emphasizes classical ideas and methods of the physical sciences. PS-102 emphasizes modern ideas. PS-102 is open to students who have acquired sufficient background without having necessarily taken PS-101. Each semester.

PH PHYSICS
Lower Division

101-102  General Physics — 4 credits
Mechanics, sound, 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-med students. Three lectures and one 3-hour laboratory period per week. Prerequisite: Algebra and Trigonometry or acceptable score on ACT Mathematics Subscore. Each semester.

103-104  Radiological Physics — 2 credits
A course designed primarily for those who are studying to be X-Ray or radiologic technicians. Topics covered will be fundamental physical units, energy, electricity and magnetism, atomic and nuclear physics, X-Ray production, radiation shielding and detection, radiography, isotopes, and health physics. Summer session.

105  Introduction to Descriptive Astronomy — 4 credits
A study of galaxies, stars and planets and their physical relationships, beginning with our own solar system and moving outward. Three lectures and one two-hour laboratory. A one-semester course for non-science majors. Each semester.

207  Introduction to Biophysics — 4 credits
A course relating physical principles to biological applications. Lectures stress concepts of atomic physics, basic electricity, and magnetism, heat and optics. The variety of instruments normally found in biological laboratories are used in lab to study biological systems. Three 1-hour lectures and two 2-hour labs. Prerequisite: It is recommended that the students have taken Math 111 or its equivalent.

220  Physics I — Mechanics — 3 credits
Kinematics, dynamics of particles, statics, momentum, work, energy, rotational motion and vibratory motion. Three 1-hour lectures and one 1-hour recitation per week. Corequisite: M 112. Either semester.

221  Physics II — Wave Motion and Heat — 3 credits
Wave motion on strings, sound and acoustical phenomena, geometrical optics, optical instruments, interference, diffraction, polarization, heat and the first and second laws of thermodynamics. Three 1-hour lectures and one 1-hour recitation per week. Prerequisite: PH220. First semester.

222  Physics III — Electricity and Magnetism — 3 credits
Coulomb's law, electric fields, electric potential, magnetic fields, magnetic induction and simple circuits. Three 1-hour lectures and one 1-hour recitation per week. Prerequisite: PH 220. M-205. Second semester.

223  Physics Lab I — 1 credit
Basic experiments in mechanics, wave motion, sound, optics and heat. One 3-hour lab per week. Prerequisite: PH 220. Corequisite: PH 221. First semester.

224  Physics Lab II — 1 credit
Basic experiments in electricity and magnetism. One 3-hour lab per week. Prerequisite: PH 220. Corequisite: PH 222. Second semester.

226  Physics Lab for Engineers — 1 credit
Upper Division

301 Electronics Lab — 3 credits
Electrical measurements, power supplies, amplifier circuits, oscillators, servo systems, and electronic switching and timing. One 1-hour lecture and two 3-hour laboratory periods per week. Prerequisite: PH-224. First semester.

311-312 Modern Physics — 3 credits
A brief introduction to the special theory of relativity, basic ideas and methods of elementary quantum mechanics with applications to atomic and nuclear physics, and properties of matter. Three lectures per week. Prerequisite: PH-221, PH-222, C-102 or C-112. Corequisite: M-321 or M-331. Each semester.

381-382 Electricity and Magnetism — 3 credits
Electrostatic fields, potentials, Gauss' law, solutions of Laplace's equation, electrostatics of conductors and dielectric materials, magnetic materials, vector potentials, Maxwell's equations, and electromagnetic radiation. Three one-hour lectures per week. Prerequisites: PH-221, PH-222 and M-321 or M-331. Each semester.

Course Offerings

PO POLITICAL SCIENCE

Lower Division

101 Federal Government — 3 credits
A study of the institutions and processes of the American political system; emphasizing the social, ideological, and constitutional background. Both semesters.

102 State and Local Government — 3 credits
A study of the institutions and processes of state and local government with emphasis on constitutionalism, legislatures, governors, and reapportionment. Both semesters.

211 Model United Nations Study Group — 1 credit
The study group will deal with practical aspects of the United Nations. The group will meet weekly at the outset, twice weekly as necessary prior to and in preparation for the annual session of the Model United Nations of the Far West which meets in a western city or campus. Boise State College will represent an assigned nation at the General Assembly and as a member of the U.N. Committees. Members of the study group will be selected by the instructor from students taking political science in first or second semester who demonstrate an interest by participating in the College's International Relations Club. The group will be required to prepare a consolidated report on its participation in the Model United Nations following the session.

DEPARTMENT OF POLITICAL SCIENCE

Dr. Willard Overgaard, Chairman
Professors: Wilson (D.)
Associate Professors: Gould, Skillern
Assistant Professors: Peterson

Although the department only offers one major in Political Science the college offerings in Philosophy are given through this department.

REQUIREMENTS FOR POLITICAL SCIENCE MAJOR

Bachelor of Arts Program

1. General College Requirements see Catalog pages 33-35
2. Major Requirements
   A. Lower Division Courses ........................................ 15 Credits
   Federal Government ............................................. 3
   State and Local Government .................................... 3
   Voting Behavior and Public Opinion ............................ 3
   Legislative Behavior ............................................. 3
   International Relations .......................................... 3
   B. Upper Division Courses ....................................... 27 Credits
   American Politics ................................................ 3
   Intro to Public Administration ................................ 3
   World Politics .................................................... 3
   Comparative Government ........................................ 6
   Constitutional Law ............................................... 3
   American Political Theory ...................................... 3
   Western Political Theory ........................................ 6

Enrollment is limited to ten students of which at least seven will comprise conference delegation. These students should be prepared to meet part of the moderate cost of transportation to and expenses at the Conference, the College meeting conference fee, and approximately one-half of other expenses (2 credits maximum — consecutive years.) Second semester.

221 Voting Behavior and Public Opinion — 3 credits
The course will explore the development of public opinion and electoral behavior. Empirical research from a variety of fields will be used in an attempt to understand and analyze the factors that mold popular attitudes and political behavior. First semester.

222 Legislative Behavior — 3 credits
An analysis of the behavior of American state and national legislatures. Special consideration will be given to the impact of constituencies, parties, interest groups, interpersonal relations, and other related factors upon legislators, and the role of the legislature in the American political system. Second semester.

231 International Relations — 3 credits
A study of the nature of relations among nations with particular reference to contemporary international issues; an analysis of motivating factors including nationalism, imperialism, communism, a study of the problem of national sovereignty and its relation to international cooperation. Prerequisite: PO-101. Both semesters.
Upper Division

301 American Politics — 3 credits
A comprehensive study of the total American Political System. Special consideration will be given to both past and present political trends with the objective of understanding their probable impact on future developments. Prerequisite: One semester of Federal Government, PO-101. Both semesters.

303 Introduction to Public Administration — 3 credits
Theory, administrative organization, functions and problems of public governmental units. Prerequisite: Federal Government PO-101. First semester.

311 World Politics — 3 credits
A survey of recent international politics; foreign policies and objectives of the world’s major powers; analysis of current international problems. Theories of international politics. Prerequisite: International Relations PO-231 or Federal Government PO-101. Both semesters.

323 Comparative Government in Western Europe — 3 credits
A study of the institutions and processes of major and representative middle powers of Western Europe and their political systems; United Kingdom, France, Federal Republic of Germany. Brief examination of a Scandinavian Country and Italy or Spain. Prerequisite: Federal Government PO-101 and International Relations PO-231. First semester. Not offered 1971-72.

324 Comparative Government in Eastern Europe — 3 credits

331 Comparative Government in North East Asia — 3 credits
Social, economic and political history of Japan, China, Korea; their governmental systems; includes development of U.S.S.R. as an Asiatic power, the role of western powers in Asia and influence of Communist China. Prerequisite: Federal Government PO-101 and International Relations PO-231. First semester.

332 Comparative Government in South East Asia and South Asia — 3 credits
Social, economic and political history of South East Asia and South Asia; Political systems and governmental structures; brief examination of Philippines, Malaysia, Indonesia and Thailand; historical and economic survey of SEA as a whole; political history of the Indian sub-continent and governments of India and Pakistan. Prerequisite: Federal Government PO-101 and International Relations PO-231. Second semester.

401 Constitutional Law — 3 credits

421 International Law — 3 credits
Law of peace, international intercourse; war and threat of war, pacific settlement; principles and practices of international law and their application to international affairs. Prerequisite: Federal Government PO-101 and International Relations PO-231. First semester.

422 International Organization — 3 credits
Historical background; the League; basic problems of international entities; the United Nations. Prerequisite: Federal Government PO-101 and International Relations PO-231. Second semester.

431 American Political Theory — 3 credits
The genesis and development of political thought in the United States from the colonial period to the present. Each semester.

441 Part I Western Political Theory — 3 credits
The development of political philosophy from Socrates to Machiavelli. First semester.

442 Part II Western Political Theory — 3 credits
The development of political thought since Machiavelli. Prerequisite: Part I Western Political Theory PO-441. Second semester.

PY PHILOSOPHY

Lower Division

101 Introduction to Philosophy — 3 credits
The main problems in philosophy. Selected readings from the works of several major philosophers. Both semesters.

211 Ethics — 3 credits
The development of ethical thought, with the object of deriving a standard for governing individual and social conduct. First semester.

221 Logic — 3 credits
Valid and invalid methods of reasoning with special attention to the function of logic in the methods of science. Prerequisite: Sophomore standing or Introduction to Philosophy PY-101. Second semester.

231 Philosophy of Religion — 3 credits
An inquiry into the nature of religious belief, the concept of God, the problem of evil and representative ideas of great religions. Prerequisite: PY-101 or PY-211. Either semester.
The Department believes that the condition of urban life in modern society requires a broad, interdisciplinary approach to provide competency and knowledge in the areas of societal and urban studies. In addition, the curriculum offers current perspectives for resolving many of the existing problems which face man. It provides an opportunity for each student to gain both the scientific and practical knowledge in four disciplines: sociology, social work, anthropology and criminal justice administration.

Capitalizing on a variety of fields, the Department offers students an opportunity for entry into the rapidly growing occupational areas of personal services in urban society. The Department also offers a sound undergraduate curriculum preparatory to graduate study in both sociology and social work.

CRIMINAL JUSTICE ADMINISTRATION

(Bachelor of Arts Program)

1. General College Requirements —
2. Major Requirements — 4 year program
   Lower Division:
   Law Enforcement in Modern Society ........................................ 3 credits
   Patrol Administration ................................................. 3 credits
   Law of Criminal Evidence ............................................. 3 credits
   Vice and Organized Crime .............................................. 3 credits
   Criminal Investigation ................................................ 3 credits
   .......................................................... 18 credits
   Upper Division:
   Administration of Justice ............................................ 3 credits
   Criminal Law .................................................................. 3 credits
   Police Organization and Management .................................. 3 credits
   Introduction to Criminalistics ......................................... 3 credits
   or
   Comparative Law Enforcement Administration .......................... 3 credits
   Contemporary Law Enforcement Problems .............................. 3 credits
   Juvenile Delinquency .................................................... 3 credits
   Criminology .................................................................... 3 credits
   .......................................................... 21 credits
3. Major Requirements — 2 year program
   The requirements of the 2 year Associate of Arts program are identical in all respects to the first two years of the four year Bachelor degree program.
4. Suggested Program — See attached
5. Course Numbers and Descriptions — See attached

CRIMINAL JUSTICE ADMINISTRATION

(Suggested Program)

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<td>Contemporary Economic Problems</td>
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<td>Federal Government</td>
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<td>State &amp; Local Government</td>
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<td>General Psychology</td>
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<td>Intro. to Sociology</td>
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<td>Fundamentals of Speech</td>
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<td>Law Enforcement in Modern Society</td>
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<td>SOPHOMORE YEAR</td>
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<td>Principles of Accounting</td>
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<td>Judo — Self-Defense</td>
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<td>Mathematics</td>
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<td>Patrol Administration</td>
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<td>Jail Administration</td>
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<td>Law of Criminal Evidence</td>
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<td>Vice &amp; Organized Crime</td>
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<td>Criminal Investigation</td>
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<td>JUNIOR YEAR</td>
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<td>Administration of Justice</td>
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<td>Police Organization &amp; Management</td>
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<td>Criminal Law</td>
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<td>SENIOR YEAR</td>
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<td>2ND SEM.</td>
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<td>Juvenile Delinquency</td>
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<tr>
<td>Contemporary Law Enforcement Problems</td>
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<tr>
<td>Criminology</td>
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<tr>
<td>Comparative Law Enforcement Administration</td>
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</table>
| or
| Introduction to Criminalistics | — | 3 |
| Special Concentration | 3 | 3 |
| Electives | 9 | 3 |
| 15 | 15 |

* Student will take a minimum of two of the following courses: Concepts of Biology (B-103), Concepts of Chemistry (C-100), or Foundations of Physical Science (PS-110). Deviation from this requirement, such as a single science sequence, must be approved by the CJA director.

** Recommend inclusion of Intro. to Data Processing, Human Relations or Personnel Relations.
### REQUIREMENTS FOR SOCIAL SCIENCE MAJOR

**Bachelor of Arts Program**

I. **Liberal Arts Option**
   1. General College and Basic Core requirements:
   2. Social Science requirements:
      - **A. Lower Division Courses**
         - Anthropology or Geography .................. 3
         - Economics ........................................ 3
         - Political Science ................................ 3
         - Sociology ........................................... 3
         - Social Science Electives ........................ 9
      - **B. Upper Division Courses**
         (Select from the following combinations twelve credits in one field and six credits in two other fields): 24
         - Anthropology
         - Economics
         - Political Science
         - Psychology
      - **C. Social Science Electives**

II. **Secondary Education Certificate Option**
   1. General College and Basic Core requirements:
   2. Major requirements:
      - **A. Lower Division Courses**
         - History of Western Civilization .............. 6
         - U.S. History ........................................ 6
         - Economics ......................................... 3
         - Federal Government ................................ 3
         - State and Local Government ...................... 3
         - Sociology ............................................ 3
         - Geography .......................................... 3
      - **B. Upper Division Courses**
         (Must include three credits of American History, additional six credits in History courses) 18
         - Comparative Government ......................... 3
         - Social Science Electives .......................... 6
      - **C. Educational requirements for State Certification for Secondary Education** 20

*The following courses are strongly recommended:
HY 102, 103 — History of Western Civilization
Mathematics — 8 hours
P 101 — Introduction to Psychology

### REQUIREMENTS FOR SOCIOLOGY MAJOR

**Bachelor of Arts Program**

<table>
<thead>
<tr>
<th>REQUIREMENTS</th>
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<td>General College and Major Requirements</td>
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<td>A. Lower Division Courses</td>
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<td>Humanities</td>
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<td>History Sequence</td>
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<td>Lab Science or Math</td>
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<td>Speech</td>
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<td>Economics</td>
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<td>Intro-Sociology</td>
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<td>Social Problems</td>
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<td>General Psychology</td>
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<td>State and Local Government</td>
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<td>Social Welfare</td>
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<td>Normal Social Functioning</td>
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<td>Philosophy of Social Work</td>
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<td>Field Work</td>
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<td>Social Work Methods</td>
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<td>Statistics</td>
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<td>Group Interaction</td>
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<td>Psychology Electives</td>
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<td>General Electives</td>
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</table>

### REQUIREMENTS FOR SOCIAL WORK MAJOR

**Bachelor of Arts Program**

1. General College and core requirements to meet *either* Bachelor of Arts or Bachelor of Science Program as given on page 33 to 35.
2. At least 78 credit hours in fields other than sociology, including at least 15 hours in a single field or in a related group of subjects as defined by the individual student in consultation with his advisor.
3. At least 29 credit hours in Sociology including:

<table>
<thead>
<tr>
<th>REQUIREMENTS</th>
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<tr>
<td>Introduction to Sociology</td>
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<td>Elementary Social Statistics</td>
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<td>Social Research</td>
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<td>Current Sociological Perspectives</td>
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<td>Group I Courses</td>
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<td>Sociology of the Family</td>
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<td>Sociology of Religion or</td>
<td>Racial and Cultural Minorities</td>
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<td>Group 2 Courses</td>
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<td>American Society</td>
<td>Social Institutions</td>
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<td>Social Stratification</td>
<td>Industrial Sociology</td>
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<td>Urban Community</td>
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<td>Group 3 Courses</td>
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<td>Social Problems</td>
<td>Group 4 Courses</td>
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<td>Deviant Behavior and Social Control</td>
<td>Juvenile Delinquency</td>
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<tr>
<td>Criminology</td>
<td>Social Problems</td>
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</tbody>
</table>
Course Offerings

**AN ANTHROPOLOGY**

**Lower Division**

201 Physical Anthropology — 3 credits
An introduction to the fossil evidence for human evolution, population genetics, human variation, and the study of living primates with emphasis on behavior. First semester.

202 Cultural Anthropology — 3 credits
The meaning of culture; its significance for human beings; similar and diverse forms and degrees of elaboration of culture in relation to technology, economic systems, social organization, values and beliefs. Second semester.

203 Introduction to Archaeology — 3 credits
An introduction to the historic background and basic techniques of archaeological excavation. The methods and theory used to reconstruct prehistoric cultures, their environmental settings, their activities and their histories.

**Upper Division**

303 Old World Prehistory — 3 credits
A review of the "stone age" (Paleolithic, Mesolithic, and Neolithic) cultures of Europe, Africa, and the Middle East. Prerequisite: Cultural Anthropology. Either Semester.

307 Indians of North America — 3 credits
A general survey with emphasis on the description and analysis of native cultures and the role of environment and historical factors in North America. Prerequisite: AN-202. Either semester.

311 World Ethnography — 3 credits
The cultural patterns of representative aboriginal peoples. Technology, subsistence, social organization, and supernaturalism considered with a view toward environmental adjustment, historical development and functional interrelations. Prerequisite: AN 202 or consent of instructor.

421 Theory and Method in Archaeology — 3 credits
An introduction to the philosophical-theoretical foundations or archaeological science to be taught at a sufficiently advanced level in professions of prehistorici and historic research. An intensive summary of recent methodological and technical developments is included.

**CR CRIMINAL JUSTICE ADMINISTRATION**

**Lower Division**

201 Law Enforcement in Modern Society — 3 credits
A study of philosophy, history, objectives, and the functions of law enforcement as an institution; institutional relationship to society; general overview of the administration of justice. Second semester.

212 Jail Administration — 3 credits
Historical development of local detention facilities, present and future trends of operation and administration. Operation of programs for the sentenced misdemeanants; first offenders, female and juvenile offenders. Special problems relative to inmate social interaction and supervision of prisoners. Prerequisite: CR-201. First semester.

215 Patrol Administration — 3 credits
The Patrol function as the fundamental police operation; multi-level decision and policy making processes; determination of functional areas of patrol responsibility. Prerequisite: CR-201 or instructor permission. First semester.

225 Vice and Organized Crime — 3 credits
The history, cause, nature, and control of vice and organized crime are studied. Prerequisite: CR-201. Second semester.

231 Criminal Investigation — 3 credits
Designed to acquaint the student with investigation as it involves the application of the investigative process in criminology, discovery and preservation of evidence, investigative report organization and content of investigative reports, and evidentiary proof of the elements of crime. Prerequisite: CR-201. Second semester.

275 Law of Criminal Evidence — 3 credits
Presentation of the laws and rules of evidence, burden of proof, exclusionary rule, presumption, opinion evidence, and leading court cases involving the presentation and acceptability of evidence. Witness examination procedures and related legal problems are presented. Prerequisite: CR 201. First semester.

**Upper Division**

301 Administration of Justice — 3 credits

321 Criminal Law — 3 credits

331 Probation and Parole — 3 credits
Historical development, organization, operation, purpose and outcome of post-conviction release programs. Included will be probation, parole, work-release and others. Analysis of program effectiveness. Review of the role of the probation and parole counselor within the program framework. Prerequisites: P-101 and SO-101, or instructor permission. Each semester.

*340 Principles of Interviewing — 3 credits
Familiarization with the elements of the interviewing process for law enforcement personnel. Included are both the counseling and interrogative aspects with a view to promoting effective and productive relationships within any interviewing situation. Prerequisite: P-101. First semester.

351 Police Organization and Management — 3 credits
The principles of organization and management as applied to law enforcement administration, current and future problems in criminal justice administration. Prerequisite: CR-201. First semester.

361 Correctional Administration — 3 credits
History of correctional institutions; present and future trends of handling the offender in the community and through institutionalization. Review of the President's Task Force Report on Corrections. Organization and program structure within a penal institution. Prerequisite: SO-101, Introduction to Sociology, or instructor permission. Each semester.

*380 Introduction to Criminalistics — 3 credits
Introduction to theory and application of physical science to the field and laboratory investigation of crime. Applicable to both advanced field investigations and laboratory techniques. Prerequisite: CR-201. (Alternate years.) Second semester.
SCHOOL OF ARTS & SCIENCES
Department of Societal and Urban Studies

411 Contemporary Law Enforcement Problems — 3 credits
Exploration of current and anticipated administrative/procedural areas of difficulty as they result from: Changing public opinion, employee needs and demands, court precedent and decision, and progressive developments and experimentation within law enforcement. Prerequisite: Upper Division CJA standing. Second semester.

420 Private and Industrial Security — 3 credits
Philosophy and techniques of operation in the areas of security organization and management, investigations, physical plant and personnel security, and legal and jurisdictional limitations. First semester.

451 Comparative Law Enforcement Administration — 3 credits
An analysis and comparison of law enforcement systems at the Federal, State, and local levels, and International systems. Prerequisite: CR-201. (Alternate years.) Second semester.

SW SOCIAL WORK

Lower Division

101 Introduction to Social Work — 3 credits
Survey of the field of social welfare, and the need for social services in society. Social work function and career opportunities. Required for social work major. Both semesters.

Upper Division

301 Social Welfare — 3 credits
Social welfare as an institution. Man and his needs; public vs. private social responsibility. Prerequisite: Introduction to Sociology, SO-101. Both semesters.

302 Community Planning and Community Organization — 3 credits

321 Normal Social Functioning — 3 credits
A review of human behavior with special emphasis on observation and understanding for social workers. Required for social work majors. Each semester.

401 Social Work Methods — 3 credits
An examination of skills employed to serve individuals, groups, and communities: Interviewing, case work, group work, case recording. Prerequisite: SW-301. Fall semester.

402 Philosophy of Social Work — 3 credits
A study of the philosophy of Social Work, with emphasis on the social and humanitarian values of the profession. Prerequisite: SO-101; SW-301. Spring semester.

421-422 Field Work Laboratory — 3 credits
Six hours per week in an agency field placement plus two-hour seminar to integrate theory with practice. Prerequisite: SW-301. Concurrent enrollment in SW-401 (Fall semester) and in SW-402 (Spring semester) and permission of instructor. Each semester.

451 Group Interaction — 3 credits
Dynamics of group behavior. Understanding group interaction and the processes of working with groups. Both semesters.

498 Senior Level Seminar — 2 credits
Discussion of topics of particular interest to Social Work students who are planning to enter practice. Prerequisite: senior standing in Social Work. Enrollment of one semester required.

* Limited to Criminal Justice Administration majors.

SO ** SOCIOLOGY

Lower Division

101 Introduction to Sociology — 3 credits
Introduction to the sociological perspective: analysis of the basic elements of human groups and societies; culture, social organization, socialization, inequality, and population. Both semesters.

102 Social Problems — 3 credits
Application of the sociological perspective to contemporary problems associated with the structure of American society. Both semesters.

121 Preparation for Marriage and Family Life — 2 credits
A study of the factors that are likely to be of some practical help for young people in the selection of a marriage partner and in making the necessary adjustments of marriage and family life. Open to all college students. Both semesters.

240 Sociology of the Family — 3 credits
An analysis of courtship, marriage, kinship, and family patterns in the United States and selected societies. Theories and facts of the relationship of these patterns to the larger society. Prerequisite: SO-101. Either semester.

250 Population — 3 credits
The theory of population from Malthus to the present. (1) Social factors that influence population size, such as birth control and inadequate housing; (2) composition of the population: past and present trends of populations. Prerequisite: Introduction to Sociology SO-101. Either semester.

Upper Division

305 Racial and Cultural Minorities — 3 credits
Analysis of inter-ethnic contacts. The development of racial attitudes; theories relating to casual factors of prejudice and discrimination. Prerequisite: Introduction to Sociology SO-101 or General Psychology P-101. Either semester.

310 Elementary Social Statistics — 3 credits
The application of measurements to sociological data. Basic statistical measures, techniques for their application, meaning and use in research. Recommended for majors, to be taken in the Junior year and followed by SO 311. Prerequisite: SO-101. High School Algebra, upper division status. Fall semester.

311 Social Research — 3 credits
An introduction to the empirical basis of modern sociology; methods of research design and the statistical analysis of social data. Prerequisite: Introduction to Sociology SO-101 and Elementary Social Statistics SO-310. Spring semester.

321 American Society — 3 credits

331 Deviant Behavior and Social Control — 3 credits
Analysis of the forms and causes of social deviancy, how social systems control behavior through the socializing process, the sanction system and the allocation of prestige and power. Prerequisite: Introduction to Sociology SO-101. This course may be used as either Sociology or Criminology credit. Either semester.

351 Social Institutions — 3 credits
Study of the basic institutions. An analysis of values, norms, and behavior organized around the important goals of society.

** Credit in Sociology may be awarded for the course P-431, Social Psychology listed with the Psychology courses. See Part V School of Education.
Prerequisite: Introduction to Sociology SO-101. Either semester.

361 Industrial Sociology — 3 credits
Study of the social organization of work with attention to internal human relations and to the external relations in the community. Prerequisite: Introduction to Sociology SO-101. Either semester.

401 History of Sociology — 3 credits
Presociological perspectives on society from ancient times to the present. Relationships of social thought and social structure. Theories of selected sociologists. Prerequisite: SO-101. Fall semester.

402 Current Sociological Perspectives — 3 credits
Major theoretical issues in contemporary sociology; works of leading contemporary sociologists. Prerequisite: SO-101. Spring semester.

403 Social Change — 3 credits
This course will study the factors influencing the acceptance or rejection of innovations, and their effects on social institutions. Prerequisites: SO 101 and upper division status. Either semester.

407 Sociology of Religion — 3 credits
A study of religion as a social phenomenon. Prerequisite: SO-101 and upper division standing. Offered alternate years — Either semester.

415 Juvenile Delinquency — 3 credits
A study of causation, treatment, and control of juvenile delinquency. Prerequisite: Introduction to Sociology SO-101. This course may be used as a Sociology or Criminology credit. Either semester.

417 Criminology — 3 credits
Crime, criminals, and control. Prerequisite: Introduction to Sociology SO-101. This course may be used as a Sociology or Criminology credit. Either semester.

421 Social Stratification — 3 credits
Examination of the theoretical and methodological problems in the study of the wealth, prestige and power distribution of local and national stratification systems; implications for the functioning of communities with emphasis on the problems of poverty. Prerequisite: SO-101. Second semester.

424 Rural Sociology and the Emerging Nations — 3 credits
Sociology as especially applied to the phenomena of rural life — study of the rural community. Prerequisite: Introduction to Sociology SO-101. Either semester.

426 The Urban Community — 3 credits
An examination of the changing growth, demographic, stratification and institutional structure of urban communities; the causes of urbanization and its consequences for individual and group interaction. Prerequisite: Introduction to Sociology, SO-101. Either semester.

498 Sociology Seminar — 2 credits
Intensive study of selected problems in sociology. Prerequisite: Senior standing. Spring semester.
# MAJOR SUBJECT REQUIREMENTS

## THEATRE:
- Introduction to Theatre: 3
- Technical Theatre: 6
- Acting (lower division): 3
- Stage Voice: 3
- World Drama: 6
- Directing: 3
- Theatre History: 3
- Senior Projects: 3
- Contemporary Drama: 3

(Upper Division — 21)

## SECONDARY EDUCATION:
Departmental requirements for the Secondary Education Option are the same as regular theatre major plus:
- TA-402 Directing
- E-345 or E-346 Shakespeare is substituted for Contemporary Drama TA-445

The student must also satisfy the requirements for teacher certification.

## THEATRE ARTS MAJOR

### Bachelor of Arts Program
(Suggested Sequence: departmental requirements are indicated by asterisks)

### THEATRE EMPHASIS:

#### FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>General Psychology*</td>
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<td>Technical Theatre*</td>
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<tr>
<td>Introduction to Art or Music</td>
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</table>

#### SOPHOMORE YEAR:

- Literature Elective: 3
- Dramatic Literature*: 3
- Western Civilization*: 3
- Acting*: 3
- Social Science Elective*: 3
- Laboratory Science*: 4
- Oral Interpretation: 3
- Electives: 6

<table>
<thead>
<tr>
<th>Total (1ST SEM.)</th>
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<td>Total (2ND SEM.)</td>
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</table>

#### JUNIOR YEAR:

- Foreign Language: 4
- Stage Voice*: 3
- World Drama*: 3
- Electives (Upper Division): 6

<table>
<thead>
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<th>Total (1ST SEM.)</th>
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<tr>
<td>Total (2ND SEM.)</td>
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</tbody>
</table>

#### SENIOR YEAR:

- Directing*: 3
- Theatre History*: 3
- Senior Projects*: 3
- Electives (Upper Division): 6
- Contemporary Drama*: 3
- Theatre Theory & Criticism: 3

<table>
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<th>Total (1ST SEM.)</th>
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<td>Total (2ND SEM.)</td>
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## SECONDARY EDUCATION EMPHASIS:

#### FRESHMAN YEAR:

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<tr>
<td>Fundamentals of Speech</td>
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<td>General Psychology*</td>
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</tbody>
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#### SOPHOMORE YEAR:

- Literature Elective: 3
- Dramatic Literature*: 3
- Western Civilization*: 3
- Laboratory Science*: 4
- Social Science Elective*: 3
- Oral Interpretation: 3
- Acting*: 3
- Electives: 4

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<th>Total (1ST SEM.)</th>
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<tbody>
<tr>
<td>Total (2ND SEM.)</td>
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</tbody>
</table>

#### JUNIOR YEAR:

- Foreign Language: 4
- Stage Voice*: 3
- Shakespeare*: 3
- Speech for Teachers: 3
- Educational Psychology: 3
- Foundations of Education: 3
- Philosophy: 3
- World Drama*: 3

<table>
<thead>
<tr>
<th>Total (1ST SEM.)</th>
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<tbody>
<tr>
<td>Total (2ND SEM.)</td>
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</tbody>
</table>

#### SENIOR YEAR:

- Directing*: 3
- Theatre History*: 3
- Senior Project*: 3
- Secondary School Methods: 3
- Education Elective: 3
- Practice Teaching: 3
- Electives: 3

<table>
<thead>
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<tr>
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</tbody>
</table>
TA THEATRE ARTS

Lower Division

107 Introduction to Theatre — 3 credits
A survey course designed to stimulate an appreciation of drama and allied art forms, through the study of the history of theater, dramatic literature and techniques. Each semester.

117-118 Technical Theatre — 3 credits
Provides the student with a practical knowledge and skill in the principles of the technical aspects of theatre; the mechanical characteristics of the stage and the elements used in productions; development of drafting skills, problem solving in staging, and the rudiments of lighting and design. Three hours of lecture plus four hours of lab per week required. Fall, Spring semesters.

162 Stage Make-up — 2 credits
Investigation of and production analysis of stage make-up; the relationship of actor to play and audience; an integration of make-up and other technical aspects that influence this particular art. Practical application is performed. Purchase of make-up kit required. Fall semester.

215-216 Acting — 3 credits
Entails study of and practice in the basic principles, terminology, and disciplines of the acting art. Fundamentals of speech and movement for the actor, appraisal and analysis of stage techniques, acting theories and practices, and recent internationally representative roles are investigated. One hour lecture, two hours lab per week required. Fall, Spring semesters.

220 Cinema: History and Aesthetics — 3 credits
An examination of the beginnings and development of motion pictures with attention given to the qualities peculiar to cinema which give it validity as a unique art form. Offered in the fall of alternate years beginning with 1972.

Upper Division

311-312 Advanced Acting — 3 credits
Intensive study in the problems of the actor in Classical Drama, Shakespearean Drama, Restoration Comedy and the modern realistic play. Skills and techniques are applied to the production of actual scenes of the categorized type. Prerequisite: TA 215-216 or consent of instructor. Fall, Spring semesters.

331 Major Production Participation — 1 credit
Significant participation in a major college production in some phase of technical theatre or acting or management.

One hour of credit allowed per semester, maximum 4 credit hours. Each semester.

333 Stage Voice — 3 credits
Techniques and practice in the use of the voice in the theatre with emphasis on diction, projection, and vocal flexibility, as applied in work with actual scenes. Either semester.

341 World Drama 500 BC-1570 — 3 credits
Study of outstanding selections of dramatic literature. The plays are studied from a theatrical point of view, i.e., they are approached as scripts intended for production as well as examples of literary form. Plays and playwrights from 500 B.C. through 1570 A.D. are covered. Alternate Fall semesters. (Not offered in 1972).

342 World Drama 1570-1870 — 3 credits
Same as TA 341, except that the period covered is from 1570 A.D. through 1870. Alternate Spring semesters.

343 World Drama 1870 to 1960 — 3 credits
Same as TA 341 except that the period covered is from 1870 to 1960. Alternate Spring semesters. (Not offered in 1972).

351 Elements of Scenic Design — 3 credits
Major skills of beginning design. Included will be art techniques for theatre; research in major periods of scenic design, examination of major designers' works, and practical experience in designing for all major types of stages. Prerequisite: TA 117-118. Fall semester.

352 Costume Design — 3 credits
Major skills of beginning costume design. Included will be art techniques for theatre; research in major periods of costume design; examination of major costume designers' works, and practical experience in designing for all manner of productions. Prerequisite: TA 117-118. Spring semester.

362 Stage Lighting Design — 3 hours credit
A study of the theories, principles and practices of stage lighting including both aesthetic conception and practical application. Script analysis and lighting theory applied to actual designs for various stages and productions. Prerequisite: TA 117-118. Alternate spring semesters.

401-402 Directing — 3 credits
Basic theory and techniques of stage directing. Includes the direction of scenes and one-act plays. Special problems in directing are presented. Prerequisite: Upper Division standing. Each semester.
GRADUATE COURSES OFFERED BY SCHOOL OF ARTS & SCIENCES

These courses are intended as part of the MA in Elementary Education Programs. They are offered in response to needs indicated specifically by the School of Education.

AR ART

AR-521 Teaching Through Experimental Art Media — 3 credits (summer school only)
AR-522 Teaching Through Experimental Art Media — 3 credits (summer school only)

Variety and unusual experimental art media to be used in conjunction with individual teaching techniques. Students will have the opportunity to solve procedural problems and adapt art media to teaching experiences. Some outside reading will be required; however, most work will be done in class. A reading bibliography will be required, as well as a written paper. Six studio hours per week. Prerequisite: Graduate standing.

Selected Topics in the following functional areas will be offered as staff availability permits — 3 credits each

AR-580 Selected Topics — Drawing
AR-581 Selected Topics — Painting
AR-582 Selected Topics — Art History
AR-583 Selected Topics — Advertising Design
AR-584 Selected Topics — Printmaking
AR-585 Selected Topics — Ceramics
AR-586 Selected Topics — Sculpture
AR-589 Seminar in Art — 3 credits

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. One semester.

GO GEOLOGY FOR ELEMENTARY TEACHERS

GO-511 Environmental Geology — 3 credits

Environmental Geology deals with the geologic aspects of man’s interaction with his environment. Topics considered include energy sources, conservation of metallic and non-metallic mineral resources, soil and water conservation, the water cycle, earthquakes, vulcanism, mass-wasting and other geologic hazards. The resource needs of our expanding population will be contrasted with the growing requirement for the protection of our frail environment. Prerequisites: Physical Geology GO-101, Fundamentals of Geology GO-100 or consent of instructor.

GO-521 Advanced Topics in Earth Science — 3 credits

The study, review, and discussion of current literature, classroom and laboratory demonstrations, teaching aids and preparation of field trips itineraries relative to geology, astronomy, meteorology, and oceanography. The course is designed to provide background knowledge, skills, and material resources that can be directly applied to increase the students capability to teach earth science in the elementary and secondary school.

GO-597 Independent Study and Research — 1-4 credits

Field or library research project. Student may work on his own problem or select from a list provided by instructor. Weekly progress meetings, final report. Prerequisites: Historical Geology or Fundamentals of Geology and/or consent of instructor.

421g-422g Theatre History — 3 credits

Investigation of the periods of major importance in the development of theatre. The first semester will include the period from 800 B.C. through approximately 1550 A.D.; the second semester from the Elizabethan period through the end of the 19th century. Fall, Spring semesters.

431 Advanced Scenic Design — 3 credits

Entails solving difficult design problems in the staging of multiple scenes, experimentation with new styles of staging, and designing and executing sets and lights for student productions. It shall include the complete planning of a design for a relatively complex play. Prerequisite: TA 351 and consent of instructor. Spring semester.

441-442 Playwriting — 3 credits

The techniques and limitations of writing for the stage: basic approaches to creative writing for the theatre, techniques and their application, structural necessities, and special problem investigation: writing of a complete play. Fall, Spring semesters.

445 Contemporary Drama — 3 credits

A study of world drama since 1960 with an emphasis on current research materials and techniques. Spring semester.

451 Theatre Theory and Criticism — 3 credits

Aesthetic theory as it pertains to the art of the theatre; script and production analysis based upon theoretical principles, and their practical application. Prerequisite: Graduate standing. Fall semester.

461 Experimental Theatre — 2 credits

Investigation and clarification of the values in new trends and techniques of the theatre art. The purpose is to determine the most effective means of theatrical communication with the contemporary audience. Prerequisite: Senior standing or consent of instructor. Fall semester.

463 Theatre Management — 2 credits

Study and practice of the style and development of public communications for theatre through individual and mass media, the organization and execution of financial, statistical data, and the operation and control of the mechanical process of presenting theatre productions to the public. Prerequisite: Junior standing. Spring semester.

487g-488g Children's Theatre — 3 credits

Preparation for successful work in the production of plays for primary school audiences. Theory and techniques of children's theatre production; selection and mounting of a selected script. Fall, Spring semesters.

491 Senior Projects — 3 credits

A culminating work for the theatre major. The student will completely research, plan, and execute a theatrical endeavor relative to his emphasis in theatre. This endeavor will be accompanied by a formally written, fully documented thesis describing his production and the concept involved. Spring semester.

Selected Topics in the following functional areas will be offered as staff availability permits — 3 credits each

AR-580 Selected Topics — Drawing
AR-581 Selected Topics — Painting
AR-582 Selected Topics — Art History
AR-583 Selected Topics — Advertising Design
AR-584 Selected Topics — Printmaking
AR-585 Selected Topics — Ceramics
AR-586 Selected Topics — Sculpture
AR-588 Seminar in Art — 3 credits

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. One semester.

GO GEOLOGY FOR ELEMENTARY TEACHERS

GO-511 Environmental Geology — 3 credits

Environmental Geology deals with the geologic aspects of man's interaction with his environment. Topics considered include energy sources, conservation of metallic and non-metallic mineral resources, soil and water conservation, the water cycle, earthquakes, vulcanism, mass-wasting and other geologic hazards. The resource needs of our expanding population will be contrasted with the growing requirement for the protection of our frail environment. Prerequisites: Physical Geology GO-101, Fundamentals of Geology GO-100 or consent of instructor.

GO-521 Advanced Topics in Earth Science — 3 credits

The study, review, and discussion of current literature, classroom and laboratory demonstrations, teaching aids and preparation of field trips itineraries relative to geology, astronomy, meteorology, and oceanography. The course is designed to provide background knowledge, skills, and material resources that can be directly applied to increase the students capability to teach earth science in the elementary and secondary school.

GO-597 Independent Study and Research — 1-4 credits

Field or library research project. Student may work on his own problem or select from a list provided by instructor. Weekly progress meetings, final report. Prerequisites: Historical Geology or Fundamentals of Geology and/or consent of instructor.
GS GENERAL SCIENCE — FOR ELEMENTARY TEACHERS

GS-501  History of Science Since 1500 — 3 credits
History of Science is a survey of man’s efforts to understand the natural world. The contributions of ancient cultures to the development of science are presented as an introduction to the evolution of science since the 16th century. A survey of the rise of “modern science” since 1500 A.D. will emphasize the historical development of modern scientific thought. Historical illustrations of the nature of scientific research and the roles of empiricism, technology, government and scientific societies in the evolution of science will be presented. Prerequisite: Consent of instructor.

HY HISTORY

HY-363g  United States Social and Cultural History — 3 credits
HY-364g  United States Social and Cultural History — 3 credits
United States social and cultural development from colonial times to the present. Attention will be given to the nature and meaning of the United States national experience by examining customs, traditions, and intellectual developments in their historical context. Prerequisite: HY-151-152. Either semester.

M MATHEMATICS FOR ELEMENTARY TEACHERS

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

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

MU MUSIC

MU-571  Advanced Practices and Principles in Teaching Music in the Elementary School — 3 credits
The course is designed to extend the professional teacher’s knowledge of teaching techniques and curricula of the elementary school classroom music program. Included will be problems in teaching elementary school music, the teaching of reading skills in music, the non-singer in the classroom, creative activities to be used in the classroom, new approaches to music education such as the Threshold to Music and Manhattanville Music Curriculum Program, and the survey of pertinent research relevant to the development of musicality in young children. Spring Semester. Prerequisites: Public School Music, MU-371. general or special experience in classroom teaching, or consent of instructor.

MU-572  Listening and Singing Experiences for the Elementary School — 3 credits
This course is designed to present in-depth experiences in musical works and songs which can be used in the elementary classroom. Phonograph recordings, music series books and films will be surveyed and examined for use in the classroom. New media approaches will be introduced for the building of concepts of music perception. Ways of integrating listening works with singing activities through a conceptual approach will be stressed. Also emphasized will be ways of correlating musical activities with the areas of literature, painting, sculpture and architecture. Students will be directly involved in teaching lessons within the class. Prerequisites: Public School Music, M-371, experience in general or special classroom teaching, or consent of instructor. Fall semester.
school of business
PART IV

school of business

Dean: V. Dale Blickenstaff, Ed.D.
Assistant Dean: J. G. Doss, M.S.

DEPARTMENTS AND FACULTY

OBJECTIVES

CENTER FOR BUSINESS AND ECONOMIC RESEARCH

SPECIAL REQUIREMENTS AND OPTIONS

BACHELOR DEGREE PROGRAMS

TWO YEAR PROGRAMS

COURSE OFFERINGS

MASTER OF BUSINESS ADMINISTRATION
SCHOOL OF BUSINESS
Dean: V. Dale Blickenstaff, Ed. D.
Assistant Dean: J. G. Doss, M. S.

Departments and Faculty

Department of Accounting and Data Processing:
Dr. Curtis Graham, Chairman
Professor: Blickenstaff
Associate Professors: Graham, Carson, Underkofler
Assistant Professors: Bell, Gines, Maxson, Medlin
Special Lecturer: Bradley

Department of Business Education and Office Administration:
Dr. Marvin A. Clark, Chairman
Associate Professors: Clark, Cornwell, Johnson, Albertson
Assistant Professors: Brender, Manship, Williamson
Instructor: Crumpacker

Department of Economics:
Dr. Ellis W. Lamborn, Chairman
Professor: Lamborn
Associate Professors: Asmus, Eastlake, Hart, Mitchell, Payne

Department of General Business:
Dr. Charles D. Phillips, Chairman
Professors: Miller, Phillips, Wilson, Young
Associate Professors: Gill, Godfrey, Knowlton, Owens, Scudder, White
Assistant Professors: Allen, Dafucas, Doss, Hamilton, Lane, Lyon, Tipton, Waldorf

Summary of Graduate Faculty by Rank
Professors .................................................. 6
Associate Professors ............................... 13
Assistant Professors .............................. 21

OBJECTIVES

The broad scope of offerings within the School of Business requires and embraces a variety of objectives. In general, the school seeks to prepare young men and women for positions of responsibility in business and government units and to provide education to assist all students in becoming responsible members of the democratic society and the economic system in which we live.

More specific objectives would include:

1. The preparation of graduates for management training entrance into business oriented fields, providing a broad background of liberal and occupational oriented courses.

2. The preparation of graduates for entrance positions in specialized occupations such as sales, accounting, or office management.

3. The education of business oriented workers for positions requiring less than the normal 4-year course of study through specialized curricula.

4. The preparation of non-business students as well as business students for assumption of citizenship responsibilities in their future relationships with the business world.

5. The preparation of graduates for entrance into graduate schools of business or public administration.

6. The preparation of business teachers for positions at the high school level and beyond.

CENTER FOR BUSINESS AND ECONOMIC RESEARCH

A Center for Business and Economic Research has been established within the School of Business to support and further research opportunities for students and faculty. The research takes a variety of forms, to be utilized by both the community at large and specific clients. Faculty, graduate and upper division students are used in part-time capacities as the need arises.

SPECIAL REQUIREMENTS AND OPTIONS

The Bachelor of Business Administration degree is available by completing all requirements for that degree as listed on the following pages under the appropriate major. Additionally, School of Business students may qualify, at their option, for the BA or BS degree by completing the additional liberal arts or science courses required for those degrees. (See pages 33-35 for BA or BS requirements.) Faculty advisors should be consulted about these additional requirements.

Advanced Placement Students with a background in material covered by a specific course because of training in high school, business college, or work experience, may request direct placement in higher level courses of that area. Any credit hours saved by such placement may be used as electives.

Two-year Programs Specialized curricula in Mid-Management, Fashion Merchandising, Secretarial Science, and Medical Secretarial areas are offered in addition to the baccalaureate programs. Most students enrolled in such programs plan to leave college at the end of two years after earning a diploma or the A.S. degree. Credits earned in such courses may be later applied toward the Bachelor's degree but students should understand that they may be required more than an additional 64 hours of credit to meet all requirements for the Bachelor's degree.

Independent Study See page 7.
# BACHELOR DEGREE PROGRAMS

NOTE: The student will find under each major the particular course of study to follow. Where the term "general electives" or Areas I, II, or III appear, refer to the inclusive listing of courses in the areas in Part III, Graduation Requirements.

## ACCOUNTING MAJOR

Bachelor of Business Administration Program

<table>
<thead>
<tr>
<th>FRESHMAN YEAR:</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition (Area I)</td>
<td>3</td>
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<tr>
<td>Introduction to Business</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics (Area III)</td>
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<td>4</td>
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<tr>
<td>Principles of Accounting</td>
<td>3</td>
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<td>Principles of Economics (Area II)</td>
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<tr>
<td>Introduction to Data Processing</td>
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<td></td>
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<td>Business Statistics</td>
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<tr>
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<td>Price Theory</td>
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<td>Accounting</td>
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<td>Managerial Accounting</td>
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<td>Federal Income Tax (a)</td>
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<td>Income and Employment</td>
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</tbody>
</table>

(a) Tax Factors in Business Decisions may be taken to satisfy this requirement.
(b) With the permission of the student's advisor, additional accounting courses or arts and science courses may be substituted.

## BUSINESS EDUCATION MAJOR

(Shorthand Option)

Bachelor of Business Administration Program

<table>
<thead>
<tr>
<th>FRESHMAN YEAR:</th>
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<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>English Composition (Area I)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology (Area II)</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Business Math/Machines</td>
<td>3</td>
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</tr>
<tr>
<td>Mathematics (Area III)</td>
<td>4</td>
<td>4</td>
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<tr>
<td>Area I Electives</td>
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<tbody>
<tr>
<td>Principles of Accounting</td>
<td>3</td>
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<tr>
<td>Principles of Economics (Area II)</td>
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<tr>
<td>Beginning and Intermediate Typewriting*</td>
<td>2</td>
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<tr>
<td>Foundations of Education</td>
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<td>3</td>
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<tr>
<td>Area III Elective</td>
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<th>2ND SEM.</th>
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<tr>
<td>Principles of Marketing</td>
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<tr>
<td>Business Communications</td>
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<td>Secondary School Methods</td>
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</tr>
<tr>
<td>Business Law</td>
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<td></td>
</tr>
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<td>Introduction to Data Processing</td>
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<tr>
<td>Office Management</td>
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<td>Advanced Shorthand</td>
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<td>Administrative Office Procedures</td>
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<td>Electives (from 2 of the 3 areas)</td>
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<th>2ND SEM.</th>
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<tbody>
<tr>
<td>Methods in Business Education</td>
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<tr>
<td>Business Curriculum and Problems</td>
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<tr>
<td>Records and Management</td>
<td>3</td>
<td></td>
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<tr>
<td>Speech Communication for Teachers (Area II)</td>
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<td>Educational Psychology</td>
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<tr>
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* May be waived if advanced placement is granted because of prior work, but at least two credits of typing at the intermediate level or above is required.
## BUSINESS EDUCATION MAJOR

**(Basic Business Option with Distributive Education Emphasis)**

### Bachelor of Business Administration Program

#### FRESHMAN YEAR:

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>English Composition (Area I)</td>
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<tr>
<td>General Psychology (Area II)</td>
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<tr>
<td>Business Math/Machines</td>
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</tr>
<tr>
<td>Mathematics (Area III)</td>
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#### SOPHOMORE YEAR:

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<tr>
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<tr>
<td>Principles of Economics (Area II)</td>
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<tr>
<td>Beginning and Intermediate Typewriting*</td>
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<td>Foundations of Education</td>
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<tr>
<td>Business Statistics</td>
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<tr>
<td>Electives (from 2 of 3 areas)</td>
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<td><strong>Total</strong></td>
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#### JUNIOR YEAR:

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<td>Principles of Marketing</td>
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<td>—</td>
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<tr>
<td>Business Communications</td>
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<td>Secondary School Methods</td>
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<td>Business Law</td>
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<td>Money and Banking</td>
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<td>Electives</td>
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#### SENIOR YEAR:

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<th>Course</th>
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<tbody>
<tr>
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<tr>
<td>Principles of Management</td>
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<tr>
<td>Methods in Business Education</td>
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<tr>
<td>Business Curriculum and Problems</td>
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<tr>
<td>Speech Communication for Teachers (Area II)</td>
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<tr>
<td>Educational Psychology</td>
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<td>Business Student Teaching</td>
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<td>U.D. Business Elective</td>
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*May be waived if advanced placement is granted because of prior work, but at least two credits of typing at the intermediate level or above is required.

### ECONOMICS MAJOR

#### Bachelor of Arts Program

#### FRESHMAN YEAR:

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<tbody>
<tr>
<td>English Composition (Area I)</td>
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<tr>
<td>*Area I Elective</td>
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<tr>
<td>Mathematics (Area III)</td>
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<td>Introduction to Business</td>
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<tr>
<td>History (Area II)</td>
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*Not more than six hours may be taken in any one field as defined on page 34 of the catalog.
SCHOOL OF BUSINESS
General Business

JUNIOR YEAR:

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<td>Income and Employment</td>
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<tr>
<td>Corporate Finance</td>
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<td>Business Statistics</td>
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<td>Economics Electives</td>
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GENERAL BUSINESS
Bachelor of Business Administration Program

FRESHMAN YEAR:

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<tr>
<td>Introduction to Business</td>
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<td>-</td>
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<tr>
<td>General Psychology (Area II)</td>
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<td>Math (Area III)</td>
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SOPHOMORE YEAR:

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<td>Business Statistics</td>
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</tr>
<tr>
<td>Introduction to Data Processing</td>
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<td>3</td>
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<tr>
<td>General Electives (Area I, II or III)</td>
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JUNIOR YEAR:

<table>
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<tr>
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<th>2ND SEM.</th>
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<tbody>
<tr>
<td>Principles of Marketing</td>
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<tr>
<td>Business Law</td>
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<tr>
<td>Principles of Finance</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Price Theory</td>
<td>3</td>
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<td>Income and Employment</td>
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<tr>
<td>Business Communications</td>
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<td>Principles of Management</td>
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SENIOR YEAR:

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<tbody>
<tr>
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<td>Business Seminar</td>
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<td>Area of Emphasis</td>
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AREAS OF EMPHASIS

(Each General Business major chooses one option)


(b) Data Processing — 12 credits chosen from Programming Techniques, Fortran, Cobol, and Data Processing Applications.

(c) Aviation Management (Note 1) — 15 credits from Aviation Ground School, Private Pilot Flight Lab, Principles of Transportation, Airport Management, and Airline-Air Cargo Management.


(e) Real Estate — 12 credits to include RE201, Fundamentals of Real Estate; RE331, Appraisal of Real Estate, and RE332, Real Estate Finance; and 3 hrs. chosen from: (1) Insurance, (2) Urban Economics, (3) Investment Management, (4) Principles of Salesmanship, (5) Tax Factors in Business Decisions, (6) Other Special Topics offerings in Real Estate.

NOTE 1. A student majoring in the Aviation Management emphasis in General Business may receive 6 semester hours of credit toward the degree if he already has possession of a private or commercial flying certificate in force at the time of application. These six credits would be assigned a grade of "S" and not counted in the computation of grade point average. Further, the student must be of senior standing and a candidate for a degree.

The individual student would file a written petition for the credit with photostatic copies of his private pilot's license, current medical certificate, and current Idaho state pilot's registration certificate.

Approval of the petition would be required of the flight program director, Chairman of the Department of General Business, and Dean of the School of Business.

The credits would be recorded as AV 101 and AV 121-122.

It is emphasized that such credits would apply only to a degree with the Aviation Management emphasis and not toward any other major in the college.
## INDUSTRIAL BUSINESS MAJOR

### Bachelor of Business Administration Program

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>English Composition (Area I)</td>
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<tr>
<td>Algebra, Trigonometry, Calculus and Analytical Geometry (Area III)</td>
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<td>Physics I (Area III)</td>
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**SOPHOMORE YEAR:**

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<td>Calculus and Analytical Geometry (Area III)</td>
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**JUNIOR YEAR:**

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<td>General Elective (Areas I or II)</td>
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**Total:** 18

**SENIOR YEAR:**

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<td>Seminar in Business Administration</td>
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<td>Market Research</td>
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**Total:** 15

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## FINANCE MAJOR

### Bachelor of Business Administration Program

**FRESHMAN YEAR:**

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<td>General Psychology (Area II)</td>
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<td>Mathematics</td>
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**Total:** 16

**SOPHOMORE YEAR:**

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**Total:** 16

**JUNIOR YEAR:**

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<td>Principles of Finance</td>
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<td>Price Theory</td>
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<td>Business Law</td>
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<tr>
<td>Money and Banking</td>
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<td>Business Statistics</td>
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**Total:** 16

**SENIOR YEAR:**

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<td>Finance Area III Electives</td>
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<td>Electives</td>
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**Total:** 16

A finance major must complete 15 hours chosen from the following courses with at least 1 course from each of the 3 groups listed below:

**Group I - Corporation Finance**
- FI-325 Corporate Financial Management
- FI-445 Case Problems in Financial Management
- AC-320 Tax Factors in Business Decisions

**Group II - Institutional Finance**
- EC-301 Money and Banking
- EC-310 Public Finance

**Group III - Investments**
- FI-350 Investment Management
- RE-332 Real Estate Finance
- RE-320 Insurance
- AC-320 Tax Factors in Business Decisions
## MARKETING MAJOR
Bachelor of Business Administration Program

### FRESHMAN YEAR:
- English Composition (Area I) ........................................ 3
- Introduction to Business ............................................. 3
- General Psychology (Area II) ....................................... 4
- Mathematics (Area III) .............................................. 4
- Area I Requirement .................................................. 3
- Area II Requirement .................................................. 3

**Total:** 16

### SOPHOMORE YEAR:
- Principles of Economics (Area II) ......................... 3
- Principles of Accounting .................................. 3
- Business Statistics ............................................. 3
- Introduction to Sociology (Area II) ................. 3
- Introduction to Data Processing ....................... 3
- Area III Requirement ........................................ 3 or 4
- General Elective (Area I, II or III) .............. 3

**Total:** 15 or 16

### JUNIOR YEAR:
- Principles of Marketing ......................................... 3
- Business Law ............................................................. 3
- Price Theory ............................................................. 3
- Income and Employment ............................................ 3
- Principles of Finance ............................................ 3
- Principles of Advertising ...................................... 3
- Market Research ...................................................... 3
- Principles of Management ...................................... 3
- General Elective (Area I, II, or III) ............ 4

**Total:** 16

### SENIOR YEAR:
- Business Communication .......................................... 3
- Marketing Electives ............................................... 3
- Marketing Management ........................................... 3
- Seminar in Business Administration ............ 2
- Sales Administration ............................................. 3
- Marketing Behavioral Science Requirements .......... 3
- Electives ............................................................... 2

**Total:** 16 or 17

*One course selected from Psychology 341, 431, Sociology 321, 421, 425 or Anthropology 202

---

## OFFICE ADMINISTRATION MAJOR
Bachelor of Business Administration Program

### FRESHMAN YEAR:
- English Composition (Area I) ........................................ 3
- Introduction to Business ............................................. 3
- Beginning and Intermediate Typewriting* .................. 2
- Business English ..................................................... 3
- General Psychology (Area II) .................................... 3
- Mathematics (Area III) ............................................. 4
- Area I Elective ....................................................... 3

**Total:** 15

### SOPHOMORE YEAR:
- Area I Elective ....................................................... 3
- Principles of Accounting ........................................... 3
- Beginning and Intermediate Shorthand* ...................... 4
- Fundamentals of Speech Communications .................. 3
- Advanced and Production Typewriting .................... 2
- Area III Elective ..................................................... 4
- Electives (from 2 of 3 areas) .................................... 3

**Total:** 18

### JUNIOR YEAR:
- Principles of Economics (Area II) ......................... 3
- Advanced Shorthand and Secretarial Transcription .......... 4
- Principles of Marketing ............................................ 3
- Business Law ............................................................. 3
- Introduction to Data Processing ....................... 3
- Business Statistics ................................................... 3
- Upper Division Electives ......................................... 3

**Total:** 16

### SENIOR YEAR:
- Business Communications .......................................... 3
- Records Preparation and Management .................. 3
- Administrative Office Procedures ....................... 3
- Seminar ................................................................. 2
- Business Math/Machines ............................................ 3
- Office Management .................................................... 3
- Human Relations ....................................................... 3
- U.D. Electives .......................................................... 7

**Total:** 16

*May be waived if advanced placement is granted because of prior work.
# Two Year Programs

## Fashion Merchandising — Mid-Management

### Freshman Year

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<td>Retail Selling</td>
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<tr>
<td>Clothing</td>
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<td>Business Math/Machines</td>
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<td>Clothing Selection</td>
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<td>Textiles</td>
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<td>Elements of Management</td>
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<td>Principles of Accounting</td>
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<tr>
<td>Mid-Management Work Experience</td>
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### Sophomore Year

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<td>Fashion Analysis and Design</td>
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<td>Professional Speech Communication</td>
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<td>Retail Buying</td>
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<td>Report Writing</td>
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<td>Mid-Management Work Experience</td>
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<tr>
<td>Principles of Retailing</td>
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<td>3</td>
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<td>Principles of Advertising</td>
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<td>Business Psychology</td>
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<tr>
<td>Supervision of Personnel</td>
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### Secretarial Science

### Freshman Year

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<td>English Composition</td>
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<td>Business Math/Machines</td>
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<td>Business English</td>
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<td>Introduction to Business</td>
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<td>Principles of Accounting</td>
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### Sophomore Year

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<td>Records Preparation and Management</td>
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<td>Administrative Office Procedures</td>
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## Marketing — Mid-Management

### Freshman Year

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<td>Retail Selling</td>
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<td>Principles of Accounting</td>
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<td>Merchandise Analysis</td>
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<td>Elements of Management</td>
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### Sophomore Year

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<td>Principles of Retailing</td>
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<td>Principles of Economics</td>
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<td>Credit and Collections</td>
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## Medical Secretary

### Freshman Year

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<td>Business Mathematics/Machines</td>
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<td>Human Physiology and Anatomy</td>
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### Sophomore Year

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<td>Production Typewriting</td>
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<tr>
<td>Administrative Office Procedures</td>
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*Students who meet all listed courses under 2-year programs will be awarded the Associate of Science degree. Diplomas will not be awarded for partial completion of requirements.*
Course Offerings

AC ACCOUNTING

Lower Division

101-102 Principles of Accounting — 3 credits
A study of the function of accounting in the business world. A logical development of the subject through the use of the Balance Sheet, the Profit and Loss, and other statements. Subsidiary ledgers, voucher system, payroll accounting, and income tax accounting are included. Each semester.

Upper Division

303-304 Intermediate Accounting — 3 credits
A rapid review of basic accounting principles and procedures, followed by problems relating to the valuation and presentation of property, liability, and corporate proprietorship items, and the measurement of profit and loss. Analytical accounting procedures, and the preparation of advanced working sheets and comprehensive corporate financial statements; development of special reports, ratios and other analyses. Prerequisite: AC-102 or the equivalent. Each semester.

320 Tax Factors in Business Decisions — 3 credits
A general introduction for students and businessmen who, while not tax specialists, need an awareness of the impact of federal income taxes on business decisions. This course will explore the areas of federal income, estate and gift tax laws as they affect business operating and financing decisions. Degree credit will not be allowed for both AC 320 and AC 401. Prerequisite: AC-102. Each semester.

351 Cost Accounting — 3 credits
Theory of cost accounting and cost control, including job order, process, direct and standard costs, budgeting and break-even analyses. Emphasis on cost determination as a tool of management. Prerequisite: AC-102. Each semester.

352 Managerial Accounting — 3 credits
A study of the development and uses of internal accounting information in management planning, control, and decision processes. Topics include operations and capital budgeting, behavioral impacts, computer applications, and analytical methods such as gross profit, break-even, and incremental cost analysis.

360 Governmental Accounting — 2 credits
Accounting theory applicable to institutions, governmental units, and political subdivisions. Emphasis placed on variations in accounting procedure used by government. Prerequisite: AC-102. Fall semester.

401 Individual Income Tax — 3 credits
The theory and application of Federal income taxes to individuals, including an introduction to F.I.C.A. and Unemployment taxes and an introduction to State income taxes. Degree credit will not be allowed for both AC-320 and AC-401. Fall semester.

402 Corporate Taxation — 3 credits
The theory and application of the Federal income tax to corporations organized for profit, and an introduction to partnership, trust, and estate and gift taxation. Prerequisites: AC-304 and either AC-320 or AC-401. Spring semester.

405 Auditing — 3 credits
The study of auditing techniques and procedures. Includes various auditing problems and the determination of appropriate auditing procedures. Preparation of audit practice cases and audit reports. Prerequisite: AC-304. Each semester.

420 Systems Analysis and Design — 3 credits
Concepts and techniques of the design of information systems. Topics include Systems Theory, Data Collection, Classification, Transmission, and Display, On-line Systems and Time Sharing. Course identical to DP-420. Credit may not be earned for both courses, DP 420 and AC 420. Prerequisites: DP-210 and AC-102. Spring semester.

440G Accounting Theory — 3 credits
A specialized course to provide a frame of reference for advanced accounting students in theory of income, asset valuation, and in the history of accounting thought. Recommended for those students planning on the CPA examination. Prerequisite: AC-304. Spring semester.

450 Data Processing for the Accountant — 3 credits
A study of available accounting software, the auditing of electronic systems, and the statistical analysis of accounting data. The computer will be used as the problem solving tool in the three above mentioned areas. Prerequisites: AC-405 and DP-210. Each semester.

470 Advanced Accounting — 3 credits
Covers accounting problems and techniques for accounting for business combinations; the determination of consolidated income, consolidated financial position, and the preparation of consolidated financial statements. Also covers accounting problems of home office — branch operations, partnerships, and consignments. Prerequisites: AC-304 and AC-351. Spring semester.

AV AVIATION MANAGEMENT

Lower Division

* AV 101 Aviation Ground School — 3 credits
Survey of basic aerodynamics, meteorology, navigation, and Federal Aviation Agency regulations. At termination, the student will take the FAA Private Pilot examination. An orientation of the historical development of aviation and the development of scientific laws and basic theory of flight. Either semester.

* AV 121 Private Pilot Flight Laboratory — 1 credit
Training to include at least 16 clock hours of flight time. In addition the course will include ground-time to familiarize and train the student in airplane equipment, preflight, take-off and landings, and other requirements as established by the Federal Aviation Agency. Either semester.

* AV 122 Private Pilot Flight Laboratory — 2 credits
Exceeds the minimum flight-hours necessary to satisfy the FAA for completion of the private pilot certificate. Students must have logged a minimum of 45 hours including 15 hours of dual instruction and 15 hours of oral instruction, and satisfactorily completed the flight examination administered by a FAA flight examiner. Prerequisite: AV 121 and successful completion of FAA written examination for Private Pilot Certificate. Either semester.

Upper Division

AV 331 Airport Management — 3 credits
Selection and use of ground facilities connected with the aviation industry. Covers construction and communication facilities, cargo and passenger handling procedures and policies, flight-deck and maintenance crew services, operation and maintenance of public facilities. Prerequisite: AC 102. First semester.

Flight lab fees in addition to other tuition and fees will be charged.

Flight lab fees in addition to other tuition and fees will be charged.
AV 351 Airline and Air Cargo Management — 3 credits
The functions of management in airline operations. Air carrier familiarization, effect of federal regulations, market analysis, and unit organization. Includes implications of decision-making in the areas of industrial, financial, and economic phases of aviation management. Spring semester.

BE BUSINESS EDUCATION

Upper Division

401 Methods in Business Education — 3 credits
Methods and materials of instruction in business subjects. Application of principles of learning and teaching to business education. Must be taken in the semester immediately preceding student teaching. First semester.

409 Methods and Materials in Distributive Education — 2 credits
Specific methods and techniques used in teaching salesmanship, marketing, retailing and other distributive education courses. First semester.

421 Business Curriculum and Problems — 3 credits
A seminar type class dealing with current problems and issues facing business teachers in the fields of curriculum, research, and class content. Individual research and presentation is emphasized. Second semester.

441 Principles and Organization of Vocational Education Programs — 2 credits

443 Administration and Coordination of Cooperative Programs — 3 credits
Selection, guidance, placement, and follow-up of students in training stations. First semester.

471 Business Student Teaching — 6 credits
Supervised teaching in public schools under the direction of qualified, selected business instructors. Prerequisite: BE 401 and permission of director. Second semester.

DP DATA PROCESSING

Lower Division

101 Principles of Data Processing — 2 credits
An introduction to basic methods, techniques, and systems of punched card and electronic data processing, including a basic introduction to present computer systems. (Night school only). Each semester.

210 Introduction to Data Processing — 3 credits
A general interest course to acquaint business students with the fundamentals and principles upon which data processing is based. The logic and reasoning of programming as utilized in data processing is also explored. Prerequisites: M-105 and AC-101. Spring semester.

220 Introduction to Programming — 2 credits
A study of the general concepts, logic and techniques of computer programming, including flowcharted, input, processing and output. Prerequisite: DP-101. Each semester.

Upper Division

320 Programming Techniques — 3 credits
A survey of programming systems used in computer processing and an introduction to the latest computer systems. Coverage of general concepts, logic and techniques of computer programming, including flowcharting, input, processing and output. Prerequisite: DP-210. Fall semester.

340 Programming Systems — FORTRAN — 3 credits
A specific course based on the FORTRAN IV programming language that will give the student the capability of writing highly sophisticated programs pertaining to quantitative business data processing problems. Prerequisites: DP-320 and M-106. Fall semester.

360 Programming Systems — COBOL — 3 credits
A specific course based on the COBOL programming language that will give the student a capability to write highly sophisticated programs pertaining to business data processing problems. Prerequisite: DP-320. Spring semester.

405 Data Processing Applications — 3 credits
An in-depth study of current business computer applications, information retrieval, the function of data processing in the business organization, feasibility study concepts and data base considerations. Prerequisite: DP-360. Fall semester.

420 Systems Analysis and Design — 3 credits
Concepts and techniques of the design of information systems. Topics include systems theory, Data Collection, Classification, Transmission, and Display; On-line Systems and Time Sharing. Course identical to AC-420. Credit may not be earned for both courses, AC-420 and DP-420. Prerequisites: DP-210 and AC-102. Spring semester.

EC ECONOMICS

Lower Division

201 Principles of Economics - Macroeconomics — 3 credits
Introduction to basic macroeconomic analysis with emphasis on current economic issues. Development of the theory of income determination, fiscal and monetary policy, and business fluctuations are considered. Each semester.

202 Principles of Economics - Microeconomics — 3 credits
Microeconomic analysis; basic assumptions, vocabulary, and structure of the economy; business organization and operation, factors of production, specialization; nature of supply and demand, the price system; distribution of income — wages, interest, rent, and profits. Each semester.

210 Contemporary Economic Problems — 3 credits
The study of the economic system from the viewpoint of the consumer. A survey of the field of economics in one semester designed especially, but not exclusively, for the non-business student. Fall semester.

Upper Division

301 Money and Banking — 3 credits
The role of money, credit, and banking in the U.S. economy. It emphasizes monetary theory as an analytical and policy tool for the exploration and solution of national economic problems. Prerequisite: EC-201. Second semester.

303 Price Theory — 3 credits
An analysis of the price mechanism and the determination of resource allocation, output composition, income distribution, and welfare economics in a market economy. Prerequisite: EC-202. First semester.

305 Income and Employment — 3 credits

310 Public Finance — 3 credits
Courses - FI, GB

311 History of Economic Thought — 3 credits
Study of the origin and development of economic theories that have influenced western civilization. Particular attention will be given to the period since 1750. Prerequisite: EC 201-202. First semester. Alternate years.

315 Comparative Economic Systems — 3 credits
A study of the economic efficiency of political systems and a comparison with the goals and efficiency of the free enterprise capitalistic system. Prerequisite: EC 201-202. Second semester. Alternate years.

321 Regional Economics — 3 credits
Application of economic analysis to regional problems of structure, growth and development. Location theory, various growth models, and specific techniques of analysis such as input-output tables will be developed. Prerequisite: EC 305. Fall semester. Alternate years.

322 Urban Economics — 3 credits
Exploration of the problems of urban areas using the techniques of urban analysis. The course will focus on the structure of the urban areas, locational patterns, housing, pollution, poverty, financial, and transportation problems. Prerequisite: EC 321. Spring semester. Alternate years.

405 Business Cycles and Forecasting — 3 credits
Business cycles, their history, nature and causes. Forecasting and control of the business cycle. Instability in aggregate economic activity, and the rate of growth of the economy. Prerequisite: EC 308. First semester.

421 G-422G Econometrics — 3 credits
Study and application of the principle mathematical equations used in economics. Designed to acquaint the student with a mathematical approach to economic theory. Prerequisite: Math 106 or equivalent and permission of the instructor. Each semester.

430 Investment Management — 3 credits
Analysis of the setting for investments, analysis of risk and return, aggressive vs. defensive policies, programmed investment strategies, and the philosophies of portfolio management from the standpoint of banks, insurance companies, pension funds, and other financial institutions. Prerequisite: AC-102. Recommended. FI-325. Either semester.

445 Case Problems in Financial Management — 3 credits
Analysis of selected case problems in financial management of the firm, including short- and long-term financial requirements, trade credit and analysis, special media of finance, capital budgeting and profit analysis. Prerequisites: FI-303 and FI-325. Spring semester.

GB GENERAL BUSINESS

Lower Division

101 Introduction to Business — 3 credits
A survey course designed to acquaint the student with the many phases of business. Serves as an introduction to the specialized fields of business organization, accounting, insurance, marketing, banking, transportation, and industrial relations. Special emphasis is placed on business vocabulary. Each semester.

207 Business Statistics — 3 credits
Collecting and tabulating data: statistical tables and charts, ratios, percentages and relatives; averages, measures of dispersion; probabilities, probability distribution, sampling theory and analysis of business change. Prerequisite: Math 106 or equivalent. Each semester.

301-302 Business Law — 3 credits
First semester — Nature and classification of the law, history of jurisprudence, real and personal property, and torts, contracts and agency. Second semester — Sales, security transactions and commercial paper, business organization including partnerships, corporations, trusts, and estates. Each semester.

306 Business Statistics — 3 credits
The areas to be covered include concentration in hypothesis testing, time series analysis, index numbers, forecasting, regression and correlation analysis and analysis of variance. The major emphasis in this course is on the business applications of these statistical tools, rather than the mathematical computations and/or derivations and proofs. Prerequisite: GB-207. Spring semester.

325 Principles of Transportation — 3 credits
Economics of transportation services and rates. History and pattern of regulations. Explanations of various forms in common use in freight and passenger transportation and an introduction to governmental controls and service and management problems of industrial traffic managers. Spring semester.

340 Labor Relations — 3 credits
A comprehensive study of the negotiation and administration of today's labor-management issues. Presents the historical, structural, and legal environment and examines the contents of labor contracts. Emphasis is placed on the basic phases of labor relations and how they affect American business. Fall semester.

441G Government and Business — 3 credits
A study of the extent of government involvement in business at both the national and state levels. Includes study of anti-trust, food and drug, labor, civil rights, and other legislation and administration. A survey of governmental powers pertaining to the involvement of government in business affairs is also included. Spring semester.

FI FINANCE

Lower Division

107 Personal Finance — 3 credits
Aid in meeting the growing complexity of finance as the consumer encounters it. How to avoid financial entanglements, installment buying, borrowing money, owning or renting a home, investing and speculating in securities, everyday legal problems dealing with illness, death, personal taxes, family budgets, check writing, and financial planning. Either semester.

109 Stocks and Bonds — 2 credits
Elementary security analysis: sources of investment information; objectives of an investment program; history of the New York Stock Exchange; characteristics of various types of bonds and stocks, economic, industrial, and company factors influencing an investment program; brokerage office and floor procedures, economic factors relating to the 1960's role of venture capital in our economic system; procedures used in incorporating and underwriting; study of balance sheets and income statements. Either semester.

Upper Division

303 Principles of Finance — 3 credits
A basic survey course of fundamental concepts and techniques of the three major areas of finance — Corporate, Institutional and Investments and their interrelationships. Prerequisite: AC-102. Each semester.

325 Corporate Financial Management — 3 credits
A study of American corporations, their methods of capitalization, control, consolidation, and growth. An analysis of the decision making process with regard to capital budgeting, cost of capital, leasing vs. owning, dividend policy, liquidity vs. profitability, and the tax consequences of these decisions. Diversified readings, case work, and a financial management computer game are utilized. Prerequisite: FI-303. Each semester.

350 Investment Management — 3 credits
An analysis of the setting for investments, analysis of risk and return, aggressive vs. defensive policies, programmed investment strategies, and the philosophies of portfolio management from the standpoint of banks, insurance companies, pension funds, and other financial institutions. Prerequisite: AC-102. Recommended. FI-325. Either semester.
450 Business Policies — 3 credits
The utilization of complex situational cases, role playing, in-depth research, and a business simulation exercise to achieve integration of specialized functional knowledge. Fall semester.

466 Quantitative Analysis for Business Decisions — 3 credits
Quantitative techniques including "normal distribution" and other related probability distributions as applied to sampling theory and quality control. Also includes discussions of payoff tables, expected values, bidding models, queueing theory and linear programming. Examination of PERT and CPM as well as simulation, regression analysis and inventory models. Prerequisite: GB 207. GB 306. Spring semester.

498 Seminar in Business Administration — 2 credits
Current problems and trends in the business community. Analysis of change affecting the current business structure. Emphasis on student research and reports. Prerequisite: Senior standing. Each semester.

MG MANAGEMENT
Upper Division

301 Principles of Management — 3 credits
Basic functions and principles of management with emphasis on relationships between workers and management; the planning, organizing, and controlling of personnel, decision making procedures and techniques. Either semester.

305 Personnel Management — 3 credits
The managerial problems of integrating individuals and groups into an effective organizational framework. Emphasis is on interpersonal relations, leadership styles, employee motivation techniques and staff functions. Business, government and institutional approaches to the personnel function are examined and compared. Either semester.

401 Human Relations — 3 credits

405 Behavioral Management — 3 credits

MK MARKETING
Upper Division

301 Principles of Marketing — 3 credits
Description and analysis of the marketing processes. Methods, policies, and problems involved in the distribution process with an evaluation of marketing institutions and middlemen according to the functions they perform. A survey of industrial and consumer markets and their relationship to both production and distribution. Either semester.

302 Principles of Salesmanship — 3 credits
A comprehensive presentation of the principles of modern selling, prefaced by a brief history of salesmanship and a justification of its position of importance in present-day distribution. The psychological aspects of selling are fully treated. Selling is presented as both an art and a science. Time is devoted in class to actual selling of various articles by the students, a practical application of the principles taught. Prereq: or corequisite: MK301. Fall semester.

304 Principles of Advertising — 3 credits
History, objectives and policies of advertising; a study of media, regulations of advertising; coordination of advertising with other merchandising factors. Preparation of copy, illustrations and layout of advertising. Guest lectures are utilized to give the student a comprehensive picture of the advertising field. Prerequisite: MK 301. Spring semester.

306 Advertising Management — 3 credits
Management approach to advertising and its relationship to other dimensions of marketing strategy. Emphasis on managerial implications of decision making in advertising themes, media selection, campaigns, budgetary considerations, measuring effectiveness, the integration and other parts of the marketing task. Prerequisite: MK-301 and MK-304. Fall semester.

405 Marketing Management — 3 credits
Management techniques in the solution of problems of systems of distribution, administration of marketing channels, advertising in the firm's total marketing effort, administration of customer service policies, design of a physical distribution system, and composition of a marketing mix. Prerequisite: MK-301. Fall semester.

415G Market Research — 3 credits
Consideration of the theory and use of research for particular marketing problems; methodology of planning and conducting research studies in various marketing situations; selected applications of marketing research. Prerequisite: MK-301. Spring semester.

421 Sales Administration — 3 credits
Management and administration of a sales organization, including recruiting, hiring, training, and supervising, establishment of territories; use of analytical tools as means of improving the effectiveness of salesmen. Prerequisite: MK-301. Spring semester.

425 Marketing Strategy — 3 credits
The case study approach as applied to marketing problems. Emphasis is placed on problem definition, recognition of alternative solutions, and defense of a "best" solution. Prerequisites: MI-301 and MK-405. Spring semester.

MM MARKETING, MID-MANAGEMENT
Lower Division

100 Mid-Management Work Experience — 2 credits
Open to students enrolled in the Mid-Management program only. The student may earn 2 semester hours' credit for a maximum of four semesters or a total of 8 semester hours' credit. This provides actual experience in the retail, wholesale, or service business field as a paid employee. The student, the employer, and the program coordinator develop an individual program for each student. The student is evaluated by both the employer and the program coordinator. Each semester.

101 Retail Selling — 3 credits
A basic course in personal selling techniques as applied in working situations in the modern retail store; analysis of customer's behavior, personality, and motivation. Methods of creating customer attention, interest, desire, and action. Either semester.

102 Merchandise Analysis — 3 credits
A study dealing with what the product is and what the product does for the customer. Provides methods and practice in obtaining product information used by buyers, sales people, and advertising personnel. Major classes of textiles and non-textiles are surveyed. Spring semester.

105 Elements of Management — 3 credits
A study of the functions of business management: planning, organizing, staffing, directing and controlling. Special consideration is given to the concept of organizational authority and responsibility. Either semester.

201 Introduction to Marketing — 3 credits
The study of activities by which goods and services flow from...
SCHOOL OF BUSINESS
Courses - RE, OA

the producer to the ultimate consumer. This study includes methods, policies, and evaluation of the various marketing institutions according to the function performed. Fall semester.

202 Principles of Retailing — 3 credits
Comparison of small-and-large-scale retailers. Problems of store ownership, organization, location, equipment, merchandising, planning and control. Expense and cost reduction and sales promotion are considered. Spring semester.

205 Business Psychology — 3 credits
The study of the application of psychological principles to business. The dynamics of behavior, public opinion research, persuasion, aptitudes, abilities, skills, and their relationship to the working environment. Spring semester.

206 Supervision of Personnel — 3 credits
Economics of supervision, social and philosophical implications, training functions of the supervisor. Individual and organizational needs in regard to human relations are major points of study. Spring semester.

209 Report Writing — 3 credits
Prepares the student to write reports for business situations. Emphasis is placed on the actual preparation of reports, research methods, and the readability of the finished product. Fall semester.

213 Credit and Collections — 2 credits
A survey of the credit field including history, types, credit information, and the function of the credit department. Collection methods and procedures are given significant treatment. Spring semester.

215 Retail Buying — 3 credits
Considers the buyer's duties, techniques, and procedures of purchasing for resale, pricing of goods, and the interpreting of consumer demand. Fall semester.

RE REAL ESTATE

Lower Division

201 Fundamentals of Real Estate — 3 credits
Essentials of real estate practice; listings, sales, financing, land descriptions, real estate investments, brokerage, advertising, market analysis and fundamentals arising from real estate transactions. Either semester.

Upper Division

320 Principles of Insurance — 3 credits
A balanced presentation of the principles of insurance and policy analysis together with a discussion of the fundamental legal principles involved in insurance contracts. Company practices in relation to insurance management are stressed as is the field of regulation on both the theoretical and practical applications. Spring semester.

331 Appraisal of Real Estate — 3 credits
The nature, purpose, and functions of appraising, appraising as a profession, the nature of real property and value, the appraisal process and economic trends. The techniques involved in determining the value of real estate. Prerequisite: RE 201. Either semester.

332 Real Estate Finance — 3 credits
An examination of the intricacies of the real estate mortgage markets, the source of mortgage funds, instruments of mortgage debt, the federal government and mortgage markets, the lending decision, management of portfolio risk, and financing of specific types of real property. Prerequisite: RE 201. Either semester.

OA OFFICE ADMINISTRATION

Lower Division

101 Beginning Shorthand — 4 credits
A beginning course in Gregg shorthand. Emphasis is placed on theory, writing skill, vocabulary development. Credit will not be given to students who have completed one or more years of shorthand in high school. Recommended credit or current enrollment in OA-118. Prerequisite: demonstrated proficiency in typing or current enrollment in typing. First semester.

105 Beginning Typing — 2 credits
Theory and keyboard operations on the typewriter for personal or business use. Credit will not be given to students who have completed one or more years of typing in high school. First semester.

107 Intermediate Typing — 2 credits
Review of typing fundamentals for the development of speed and accuracy. Credit will not be given to students who have completed two years of high school typing. Either semester.

115 Business Mathematics/Machines — 3 credits
Fundamental operations of arithmetic in concrete relation to business usage. Decimals, fractions, percentages, interest, discounts, markup, installment buying, depreciation, and graphs are considered, as well as some interpretation of financial papers. The student receives instruction on the ten-key printing calculator, the rotary calculator, and the electronic calculator. Either semester.

118 Business English — 3 credits
Emphasis on building a foundation in grammar, punctuation, vocabulary, and spelling through continued practical application. Effectiveness and correctness of expression will be demonstrated in written assignments which will include summaries of articles and business letters. Prerequisite: Passing score on English Placement Test. Either semester.

121 Intermediate Shorthand — 4 credits
Review of shorthand theory with much work in dictation and transcription to improve speed and accuracy. Credit will not be given to students who have completed two years of high school shorthand. Prerequisite: OA-101 or advanced placement from high school work. Either semester.

201 Advanced Shorthand — 4 credits
Emphasis on the building of a broad shorthand vocabulary and the development of high speed in dictation with rapid transcription. Prerequisite: OA-121 or advanced placement from high school work. Either semester.

209 Advanced Typing — 2 credits
Continued study of typewriting procedures to develop speed and accuracy in office applications. Prerequisite: OA-107 or advanced placement from high school work. Either semester.

211 Production Typing — 2 credits
Advanced work in the use of business forms, letters, legal documents, and tabulation on the typewriter. Prerequisite: OA-209. Second semester.

221 Secretarial Transcription — 4 credits
Advanced instruction in office transcription. Opportunities for special transcription practice of a medical or legal nature will be provided. Prerequisite: OA-201. Second semester.

240 Secretarial Writing — 2 credits
An intensive course for secretarial students in letter writing, preparation of summaries and publicity releases. Punctuation and correct usage will be reviewed as needed. Prerequisite: OA-118. Second semester.

Upper Division

309 Records Preparation and Management — 3 credits
Creation, processing, maintenance, protection and destruction of business records. These topics will be covered both from
the theoretical point of view and by the use of practical application. The ability to analyze a problem and make a decision will be stressed. First semester.

310 Administrative Office Procedures — 3 credits
Office procedures at the administrative level. The case study and project approach will be used. Procedures necessary to direct and supervise office activities as well as perform them. Second semester.

315 Medical Office Procedures — 3 credits
A study of medical receptionist duties, special records, and filing systems, legal aspects of medical work, management of the medical office, and responsibilities of the medical assis-
tant. Credit will not be given to students who have completed OA 308, Secretarial Procedures. Second semester.

317 Office Management — 3 credits
A study of organization and management of an office, including personnel problems, records, ratings, the allocations of functions and responsibilities, and office supervision. Second semester.

328 Business Communication — 3 credits
Effective communication of written and oral ideas is stressed. Special emphasis is placed on psychology of letter writing as a management tool and on report writing and methods of interpreting reports. The course includes an introduction to office dictation. Either semester.

MASTER OF BUSINESS ADMINISTRATION

Objectives
The purpose of the Boise State College Program leading to the MBA Degree is to prepare the candidate for a career in business management. The curriculum is keyed to the needs of an individual who has just assumed or is preparing to assume additional broad managerial responsibilities and, since these students are pursuing graduate education concurrently with their employment, most of them will enter the program because either their present or future positions will require increased managerial competence.

The MBA curriculum at Boise State College emphasizes the development of managerial generalists, rather than specialists in any one field of business administration. To accomplish this result, the program has been fashioned with a maximum of flexibility to meet the needs of commerce and industry and the student. The student's program is analyzed, evaluated, determined and directed by an MBA advisor. It is intended that the student and his MBA advisor mutually develop a custom-designed curriculum to fit the student's background of course work and experience. In all cases, however, the MBA advisor retains approval/disapproval authority regarding specific courses.

General Prerequisites for Applicants
Admission will be granted to applicants who hold a bachelor's degree from an accredited college or university and who meet, and give promise of continuing to meet, the standards set by the School of Business of Boise State College. Common to all programs is a foundation of prerequisite courses in basic fields of business administration. Students presenting a bachelor's degree in non-business fields such as the sciences, engineering, the liberal arts, the student must demonstrate proficiency in the prerequisite courses listed below. These prerequisites may be fulfilled by satisfactory completion of course work in these areas, or by successfully passing the appropriate CLEP examination.

Specific Prerequisites for Applicants
All applicants must meet the following undergraduate requirements or fulfill these requirements before entering upon the graduate program:

(a) Possession of bachelor's degree from an accredited institution
(b) Suitable average in undergraduate work
(c) Suitable score on Admissions Test for Graduate Study in Business (ATGSB)
(d) Prerequisite courses or their equivalent:
   1. Accounting
   2. Economics
   3. Business Statistics
   4. Marketing
   5. Management
   6. Finance
   7. Data Processing
   8. College Level Mathematics

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 College in order to achieve the MBA degree.

The Graduate Degree Program
The Master of Business Administration Graduate Program consists of a minimum of thirty (30) semester hours of credit selected from the offerings hereinafter listed and determined as follows:

Required Core Courses ......................... 12 credits
Electives (chosen in consultation with the student's MBA advisor) ........... 18 credits

A maximum of nine (9) graduate credits may be accepted from other graduate schools upon request and a determination of acceptability by a committee of the Graduate Faculty.

Candidates may elect a maximum of six (6) credit hours from the "400" level courses in the Undergraduate School of Business Program, as approved by the student's MBA advisor. (Only those courses designated G on the following page are approved.) These may be used to complete the thirty credit hour requirement for graduation.
Required Core Courses (12 credits)

MB-510 Business and its Environment — 3 credits
This course involves examination of the interaction between business and the economic, social, political and legal order. By utilizing analysis of particular situations, it focuses attention on the broad effects of this total environment upon the administration of business. Emphasis is placed on students testing their own values as they relate the appropriate responsibilities of business to its various publics.

MB-511 Business Research and Communication Techniques — 3 credits
Analysis of the scientific method of inquiry and specific research techniques. Evaluation of reports in terms of reliability and validity of conclusions. Development of a critical sense and analytical ability for effective expression in reports, articles and other forms of operational communications. Opportunities for oral presentations of business information to groups and to lead and participate in such group interpersonal communication situations as conferences, meetings and discussions.

MB-512 Quantitative Methods for Business Decisions — 3 credits
Quantitative techniques intended to familiarize the student with business applications of statistical methods as applied to decision making under uncertainty and risk. Includes production models, inventory control models, management models, marketing surveys and capital budgeting models, regression analysis, analysis of variance and sampling techniques. Prerequisite: M 561 (Math For Operations Research) or pass appropriate examination demonstrating sufficient background knowledge for this course of study.

MB-513 Business Policy Formulation — 3 credits
This course utilizes complex business cases, business simulation and specialized functional knowledge to determine business decisions, strategy and policies.

Elective Courses (18 credits)
To Be Selected by the Candidate and His Advisor

MB-520 Marketing Problems — 3 credits
Analytical approach to marketing problem solving and decision making, covering market definition, personal selling, advertising and sales promotion, channels of distribution, strategy formulation, product development procedures, and customer services. Case study approach is utilized.

MB-530 Financial Management — 3 credits
Analysis of financial problems and formulation of financial policies through case studies. Covers financing of current operations and long-term capital needs, income management and expansion policies.

MB-532 Accounting — Planning and Control — 3 credits
A study of the planning and control processes within an enterprise to assist in the making of business decisions. Problems and cases are considered in profit planning and analysis, cost analysis for pricing, and capital budgeting. Overall objective is an understanding of improved methods of control and cost planning.

MB-540 Organization Theory — 3 credits
Problems of organization dynamics and behavioral science research findings and their application to business organizations.

MB-541 Personnel Policy — 3 credits
Human resource administration is examined and critically analyzed as it applies to business, government and institutional organizations. Analysis of factors underlying managerial policy decisions relating to selection, development, and motivation of human resources and of the personnel programs designed to implement these decisions. Current trends in the personnel field are examined.

MB-542 Computer Applications for Management — 3 credits
A review and analysis of computer oriented applications used in reaching management decisions. Includes realistic applications presently used in the business environment of such techniques as linear programming, regression analysis, matrix analysis and other techniques vital to today’s management.

MB-550 Managerial Economics — 3 credits
Application of economic concepts and analysis to the problem of formulating rational managerial decisions. Emphasis on measurement and forecasting of demand and costs, capital budgeting, profit objectives, market structure and pricing policies.

Selected Topics in the following functional areas will be offered as staff availability permits. (3 credits each)
MB-580 Selected Topics — Accounting
MB-581 Selected Topics — Information Systems
MB-582 Selected Topics — Economics
MB-583 Selected Topics — Finance
MB-584 Selected Topics — Industrial Psychology
MB-585 Selected Topics — Management
MB-586 Selected Topics — Marketing
MB-596 Independent Study — 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.

MB-599 Workshop/Conference — 1 credit
Workshop/Conferences will be offered each semester. Various topics from all of the functional areas of business will be covered. The area selected will be based upon student interest and staff availability. Students may apply 3 of these toward MBA graduation credit.

AC 440 G Accounting Theory — 3 credits
A specialized course to provide a frame of reference for advanced accounting students in theory of income, in assessed valuation, and in the history of accounting thought. Recommended for those students planning on the CPA examination. Prerequisite: AC 202.

EC 421 G-EC 422 G Econometrics — 3 credits
Study and application of the principal mathematical equations used in economics. Designed to acquaint the student with a mathematical approach to economic theory. Prerequisite: Math 106 or equivalent and permission of the instructor.

GB 441 G Government and Business — 3 credits
A study of the extent of government involvement in business at both the national and state levels. Includes study of anti-trust, food and drug, labor, civil rights, and other legislation and administration. A survey of governmental powers pertaining to the involvement of government in business affairs is also included.

MK 415 G Market Research — 3 credits
Consideration of the theory and use of research for particular marketing problems; methodology of planning and conducting research studies in various marketing situations; selected applications of marketing research. Prerequisite: MK-301.
school of education
PART V

school of education

Dean: Gerald R. Wallace, Ed.D.

Assistant Dean: Clyde Martin, Ed.D.

DEPARTMENTS AND FACULTY

TEACHER EDUCATION

  Admission
  Elementary Education
  Secondary Education
    Certification Requirements
    Secondary Student Teaching
    Library Science Teaching Minor

PHYSICAL EDUCATION

PSYCHOLOGY

MASTER OF ARTS IN ELEMENTARY EDUCATION
SCHOOL OF EDUCATION
Dean: Gerald R. Wallace, Ed.D.
Assistant Dean: Clyde Martin, Ed.D.

Departments and Faculty

Center for Counseling, Guidance and Testing:
Dr. D. Torbet, Director
Professor: D. Torbet
Assistant Professor: M. Callao, A. DeLaurier, J. Dobson
Psychometrist: W. Newton

Department of Health, Physical Education and Recreation:
Dr. G. Cooper, Chairman
Professors: G. Cooper, L. Smith
Associate Professor: B. Bowman
Assistant Professors: P. Bowman, J. Boyles, D. Connor, G. Gochnour, R. Lewis
Instructors: P. Holman, W. Jones, M. Satterfield, C. Thorn- gren

Coaching Staff:

Director of Athletics:
L. Smith
Assistant Dir. of Ath.:
R. Stevenson

Department of Psychology:
Dr. J. Phillips, Chairman
Professors: J. Phillips, W. Sickles, D. Smith, D. Torbet
 Associate Professors: W. Barsness, D. Heacock, G. Ison, E. Wilkinson
Assistant Professors: M. Snow, S. Thurber

Department of Teacher Education and Library Science:
Dr. C. Martin, Chairman
Professors: J. Barnes, R. Bullington, A. Chatburn, A. McDonald, G. Wallace, V. Young
Associate Professors: J. Beitia, P. Bieter, J. Dahlgren, M. Fairchild, C. Frederick, J. Jensen, W. Kirtland, R. Marks, C. Martin, G. Reed, J. Wolfe
Instructor: S. Hunter

Educational Media Services:
A. Barnes (Librarian)
L. Christensen
J. Hartvigsen

Reading Education Center:
W. Kirtland, Director

Educational Television:
J. Schlaefle, Director
V. McArthur
H. Hansen
C. Cope

Summary of Graduate Faculty by Rank

Professors ............................................. 12
Associate Professors ............................... 14
Assistant Professors ............................... 17

The School of Education offers majors in Elementary Education; Physical Education for Men, Secondary Education Option; Physical Education for Women, Secondary Education Option; and Psychology, Liberal Arts Option. It offers course work of both professional and academic nature to students in these and in other major curricula throughout the College. The academic course work is designed to develop ability in and appreciation of scientific thinking about behavior. Professional training is directed primarily toward the mastery of skills that are needed by teachers in the elementary and secondary schools.
Teacher Education

In addition to its course offerings, and closely related to its professional training programs, is the integrative and supervisory function of the Department of Teacher Education in the total preparation of elementary and secondary school teachers and librarians. The following paragraphs explicate that function, and every prospective teacher should read them carefully.

The Department of Teacher Education is responsible for planning and conducting the Teacher Education Program, which includes the preparation of school librarians as well as elementary and secondary teachers. The programs are outlined in accordance with the aims and general graduation requirements of Boise State College and the certification requirements of the Idaho State Board of Education. The Department of Teacher Education has an institution-wide commitment to the preparation of teachers, a commitment that is implemented in close cooperation with the subject-matter departments.

As a foundation for high-quality professional work, prospective teachers are provided with a well-rounded general education in the humanities and in the social and natural sciences. Each student also receives special preparation for the particular kind of education work he plans to do.

Admission to School of Education

A. Students preparing to teach must apply for admission to the School of Education during the sophomore year. This application will be secured and processed as a part of the TE-201, Foundations of Education course (required for certification).

Transfers who have completed an equivalent course in Foundations at another institution will secure the application for admission from the Assistant Dean's office. The form is entitled, "Admission to the School of Education."

B. General requirements for admission to the School of Education for elementary or secondary candidates shall be determined and implemented by the Department of Teacher Education. These requirements shall include:

1. Filing of the "Admission to the School of Education" application.
2. A minimum grade of "C" in TE-201 or its equivalent.
3. A satisfactory test score in a prepared "English Qualification Examination." This examination will be prepared and administered by the Department of Teacher Education. The test will be a part of the course work of TE-201, Foundations of Education, given in the sophomore year. Students who fail this examination will be advised as to procedures for improving writing skills. Students may re-apply for future examinations and must pass the qualifying examination. Transfer students who have already taken the Foundations course at another institution will take the qualifying examination and will be subject to the above regulations.
4. "Pass" by the Foundations of Education instructor in oral communication.
5. Satisfactory completion of an observation and teacher assistant experience in a public or non-public elementary or secondary school. The experience is a part of the course work in TE 201, Foundations of Education, given in the sophomore year. Transfer students who have completed Foundations of Education will be required to have this experience. The intent of the requirement is to provide an opportunity for potential teachers to verify a desire to work with students in a school situation. Variations in the type of experience acceptable to the School of Education are to be approved by the chairman of the Department of Teacher Education.

Admission to Student Teaching

A. An application for a specific student-teaching assignment must be filed with the Department of Teacher Education by March 1 of the junior year. Application forms may be secured from the Office of the Assistant Dean of the School of Education.

B. General requirements for admission to student teaching for elementary or secondary candidates include:

1. Elementary Major
   a. Admission to the School of Education.
   b. Recommendation by the faculty advisor.
   c. A cumulative grade point average of 2.25.
   d. A minimum grade of "C" in each of the following:
      (1) Educational Psychology P 325
      (2) Elementary Curriculum and Methods TE 351-352
   e. Senior status.

2. Secondary Option
   a. Admission to the School of Education.
   b. Recommendation by the major faculty advisor.
   c. A grade point average of 2.25 in the major and minor fields and in the education courses completed.
   d. A cumulative grade point average of 2.1.
**ELEME N TARY EDUCATION**

Students preparing to teach in the elementary grades will major in Elementary Education and complete a program of studies approved by the Chairman of the Department of Teacher Education and consisting of general and professional education courses.

Requirements for the Bachelor of Arts in Elementary Education:

1. General College graduation requirements to include:
   - Mathematics for Elementary Teachers ........................................... 6
   - English Composition 101 and 102 .................................................. 6
   - Laboratory Science to include both Biological and Physical Science .......... 12
   - History of Western Civilization ................................................. 6
   - U. S. History ................................................................................. 6
   - Federal Government ......................................................................... 3
   - General Psychology ......................................................................... 3
   - Child Psychology ............................................................................ 3
   - Geography ....................................................................................... 3
   - Social Science chosen from: Economics, Sociology or Anthropology .......... 3
   - Humanities or Introduction to Art or Music or Drama .......................... 6
   - Music Fundamentals ......................................................................... 2
   - Literature ........................................................................................ 6
   - Physical Education Activities .......................................................... 2

2. Professional education requirements:
   - Elementary School Physical Education Methods ................................ 2
   - Public School Music ......................................................................... 2
   - Elementary School Art Methods ...................................................... 3
   - Children’s Literature ........................................................................ 3
   - Audio Visual Aids ............................................................................ 2
   - Educational Psychology ..................................................................... 3
   - Elementary Curriculum and Methods I and II .................................. 10
   - Elementary Student Teaching .......................................................... 10
   - Foundations of Education ................................................................ 3
   - Speech for Teachers ......................................................................... 3

   e. A minimum grade of “C” in each of the following:
      (1) Educational Psychology P 325 or Adolescent Psychology P 312.
      (2) Secondary School Methods

   f. Approximately 30 semester credit hours in the major field, 20 semester credit hours in the minor field or a composite of 45 hours in the major field.

C. Student teachers are expected to do responsible teaching, participate in co-curricular activities, maintain close contact with faculty and students in the public schools, and participate in seminars and conferences with their college supervisors.

D. Students who transfer to Boise State College must meet admission requirements for School of Education and student teaching and complete at least 6-9 semester hours at the institution before being placed in student teaching.

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**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition ........................................... 3</td>
<td>3</td>
</tr>
<tr>
<td>Laboratory Science (Biological or Physical Science) .......... 4</td>
<td>4</td>
</tr>
<tr>
<td>History of Western Civilization ................................ 3</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology ................................................. 3</td>
<td></td>
</tr>
<tr>
<td>Physical Education Activities ..................................... 1</td>
<td>1</td>
</tr>
<tr>
<td>Electives ........................................................................ 2</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total</strong> ........................................................................ 16</td>
<td>15</td>
</tr>
</tbody>
</table>

**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Humanities or (two of the following: Introduction to Music, Introduction to Art, Introduction to Drama) 3</td>
<td>3</td>
</tr>
<tr>
<td>Second Laboratory Science ............................................... 4</td>
<td></td>
</tr>
<tr>
<td>Fundamentals of Math for Elementary Teachers ...................... 3</td>
<td>3</td>
</tr>
<tr>
<td>Survey of American Literature ......................................... 3</td>
<td></td>
</tr>
<tr>
<td>U.S. History ........................................................................ 3</td>
<td>3</td>
</tr>
<tr>
<td>Geography .......................................................................... 3</td>
<td></td>
</tr>
<tr>
<td>Foundations of Education ................................................ 3</td>
<td></td>
</tr>
<tr>
<td>Electives ............................................................................. 2</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong> ........................................................................... 16</td>
<td>17</td>
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**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>1ST SEM.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Literature ...................................................................... 3</td>
<td></td>
</tr>
<tr>
<td>Federal Government ...................................................... 3</td>
<td></td>
</tr>
<tr>
<td>Child Psychology ........................................................... 3</td>
<td></td>
</tr>
<tr>
<td>Educational Psychology .................................................. 3</td>
<td></td>
</tr>
<tr>
<td>Elementary School Physical Education ................................ 2</td>
<td></td>
</tr>
<tr>
<td>Speech for Teachers ........................................................ 3</td>
<td></td>
</tr>
<tr>
<td>Social Science Elective (Economics, Sociology or Anthropology) 3</td>
<td></td>
</tr>
<tr>
<td>Music Fundamentals .......................................................... 2</td>
<td></td>
</tr>
<tr>
<td>Public School Music .......................................................... 2</td>
<td></td>
</tr>
<tr>
<td>Electives (Upper Division) .................................................. 6</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong> ........................................................................... 16</td>
<td>16</td>
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</tbody>
</table>

**SENIOR YEAR**

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Children’s Literature ...................................................... 3</td>
<td></td>
</tr>
<tr>
<td>Audio Visual Aids ............................................................. 2</td>
<td></td>
</tr>
<tr>
<td>Elementary School Art Methods .......................................... 3</td>
<td></td>
</tr>
<tr>
<td>Elementary Curriculum and Methods .................................... 5</td>
<td>5</td>
</tr>
<tr>
<td>Elementary School Student Teaching .................................... 5</td>
<td>5</td>
</tr>
<tr>
<td>Electives (Upper Division) ..................................................... 5</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong> ........................................................................... 15</td>
<td>18</td>
</tr>
</tbody>
</table>

Departure from this program must be approved by the Chairman of the Department of Teacher Education.
SECONDARY EDUCATION

The Department of Teacher Education serves as consultant in the establishment of "secondary education options" within each of several subject-matter areas. (See the Secondary Certification Options in the School of Business; the School of Arts and Sciences; and the Physical Education Department in the School of Education.) The Department of Teacher Education does not offer degrees "in secondary education."

Students preparing to teach in junior or senior high school should major in the subject-matter fields in which they plan to teach. Each student must complete the required professional education courses and the necessary subject matter major under the direction of an advisor in his major department.

CERTIFICATION REQUIREMENTS FOR SECONDARY EDUCATION

Idaho requires a total of twenty semester credit hours "in the philosophical, psychological, and methodological foundations of education, which must include not less than six semester credit hours of secondary student teaching."

These requirements are translated into the following required Boise State College courses:

- **TE-201 Foundations of Education** ........... 3 credits
- **P-312 Adolescent Psychology or P-325 Educational Psychology** ........... 3 credits
- **TE-381 Secondary School Methods** ........... 3 credits
- **TE-481 Secondary Student Teaching** ........... 6 credits

Total ........... 15 credits

In addition to these required courses, a student may choose from the following courses (if they are appropriate to his teaching field) to complete the required twenty semester credit hours. (A student may wish to take more than the minimum twenty credit hours.)

- **P-312 Adolescent Psychology** ........... 3 credits
- **P-325 Educational Psychology** ........... 3 credits
- **TE-356 Audio-Visual Aids in Education** ........... 2 credits
- **TE-371 Guidance for the Classroom Teacher** ........... 3 credits
- **AR-351 Secondary School Art Methods** ........... 3 credits
- **BE-401 Methods in Business Education** ........... 3 credits
- **BE-421 Business Curriculum and Problems** ........... 3 credits
- **E-301 Teaching English Comp** ........... 3 credits
- **E-381 Methods of Teaching Secondary School English** ........... 3 credits
- **M-490 Mathematics in Secondary Schools** ........... 3 credits
- **MU-259-260 String Instrumental Techniques and Methods** ........... 1 credit
- **MU-301 Percussion Techniques and Methods** ........... 1 credit
- **MU-359-360 Brass Instrumental Techniques and Methods** ........... 1 credit
- **MU-363-364 Woodwind Instrumental Techniques and Methods** ........... 1 credit
- **MU-385-386 Choral Methods and Materials** ........... 1 credit
- **MU-371 Public School Music** ........... 2 credits
- **PE-425 Problems in Physical Education** ........... 2 credits
- **SP-311 Speech Communication for Teachers** ........... 3 credits

Each certified secondary school teacher must have one of the following options:

1. A major teaching field of at least 30 semester credit hours, and a minor teaching field of at least 20 semester credit hours.

2. A single teaching field of at least 45 semester credit hours.

Following is a list of the teaching areas for which Idaho endorses certificates, regardless if the area is a major or a minor teaching field. Included in the teaching fields listed below is the specifically required minimum course content for each field. (Reproduced from the Idaho SDE pamphlet published March, 1970.)

**English**

Not less than six semester credit hours in composition and not less than six semester credit hours in American and English Literature. The remainder may be distributed in the related fields of speech, drama, and journalism.
Speech-Drama
Credits spread over both fields with not less than six semester credit hours in each. For separate endorsement in speech or drama, not less than fifteen semester credit hours in the field to be endorsed.

Journalism
Not less than fifteen semester credit hours in journalism and the remainder, if any, to be chosen from English.

Social Studies
Not less than six semester credit hours in American History and not less than three semester credit hours in American Government. In addition, work in two of the following fields to be represented: world history, geography, sociology and economics.

American Government
Not less than six semester credit hours in American Government, six semester credit hours in American History and three semester credit hours of comparative government.

American History
Not less than nine semester credit hours in American History and not less than three semester credit hours in American Government. The remaining work is to be in history and political science.

Biological Science
Credits distributed in the areas of botany and zoology, including at least six semester credit hours in each. Some work in physiology is recommended.

Physical Science
At least eight semester credit hours in chemistry and eight semester credit hours in physics.

General Science
Credits to include work in each of the following fields: physical, biological and earth science.

Mathematics
Credits to include work in algebra, geometry and trigonometry.

Physical Education
Credits distributed to include work in anatomy or physiology and health education.

Secretarial Science
Six semester credit hours in shorthand and at least one course in intermediate or advanced typewriting. The other credits are to be distributed in business courses which ensure knowledge of office machines, business and office practices and procedures.

Bookkeeping
Credits in business subjects, including at least one course in intermediate or advanced typewriting and not less than six semester credit hours of accounting with additional work in business law and business administration.

Business Education
Credits to include work in each of the following fields: typewriting, shorthand, accounting and office machines. Additional work may be selected from business law, business administration, retail merchandising, economics and office procedures.

Driver Education
An Idaho Driver Education teacher shall:
Have four semester credit hours which shall consist of not less than two semester credit hours in basic driver education for teachers and followed by not less than two semester hours in courses such as the following:
Advanced driver education, general safety education, traffic engineering, driving simulator education, and highway transportation.
Have three years of satisfactory driving experience immediately preceding the time of teaching, as evidenced by the State Department of Law Enforcement, Traffic Safety Division.
This change given above was effective for all teachers of driver education in the State of Idaho on September 1, 1968.

Music
Credits to include work in theory and harmony, applied music (voice, piano, organ, band and orchestra instruments), history and appreciation, conducting, and music methods and materials.

Arts and Crafts
Credits to include work in four of the following areas: woodworking, drafting, ceramics, leather work, plastic, the graphic arts and art metal.

SECONDARY STUDENT TEACHING

Secondary Education Student Teaching for 1972-73
Student teaching will be given in 4 blocks of nine weeks each, all day. The first nine weeks will accommodate physical education majors, summer school candidates, transfers from other institutions and, if necessary, those who will graduate in December. The second nine-weeks block will be reserved for history and social science majors, mathematics majors, and, if necessary, for students who will graduate in December. Business Education and English majors will student teach the third nine-weeks block (first nine weeks of second semester); the fourth block of nine weeks will service all science, music, art, speech and drama, and foreign language majors for the student teaching assignment. Permission for any deviation to the above placement of major fields must be granted by the Dean of the School of Education.

Concentrated Course Blocks, 1972-73
The student will take a group of subjects (8-9 semester) during the balance of the semester, complementing the assigned student teaching block. Scheduling of the CCB will be done by the advisors in the major subject department as follows:

Scheduling by Departments

Art
CCB No. 3
Student Teaching No. 4 (6 credits)
CCB Choices: (8-9 credits)
Audio-Visual Aids, TE-356 (2)
Educational Psychology, P-325 (3)
Secondary School Methods, TE-381 (3)

Business
CCB No. 4
Student Teaching No. 3 (6 credits)
CCB Choices: (8-9 credits)
Audio-Visual Aids, TE-356 (2)
Educational Psychology, P-325 (3)
Speech Communication for Teachers, CM-311 (3)
Business Curriculum and Problems, BE-421 (3)

Note: BE-401 Methods in Business Education (3) is to be taken the semester preceding student teaching.

Communications (Speech)
CCB No. 3
Student Teaching No. 4 (6 credits)
SCHOOL OF EDUCATION
Library Science Minor

CCB Choices: (8 credits)
  Audio-Visual Aids, TE-356 (2)
  Educational Psychology, P-325 (3)
  Secondary School Methods, TE-381 (3)

English
CCB No. 4
Student Teaching No. 3 (6 credits)
CCB Choices: (8-9 credits)
  Audio-Visual Aids, TE-356 (2)
  Educational Psychology, P-325 (3)
  Speech Communication for Teachers, CM-311 (3)
  Secondary School Methods, TE-381 (3)

Note: E-318 Methods of Teaching Secondary School English (3) is to be taken the semester preceding student teaching.

Foreign Languages
CCB No. 3
Student Teaching No. 4 (6 credits)
CCB Choices: (8 credits)
  Audio-Visual Aids, TE-356 (2)
  Educational Psychology, P-325 (3)
  Secondary School Methods, TE-381 (3)

History
CCB No. 1
Student Teaching No. 2 (6 credits)
CCB Choices: (8-9 credits)
  Audio-Visual Aids, TE-356 (2)
  Educational Psychology, P-325 (3)
  Speech Communication for Teachers, CM-311 (3)
  Secondary School Methods, TE-381 (3)
  History — The Federal Era, HY-352

Mathematics
CCB No. 1
Student Teaching No. 2 (6 credits)
CCB Choices: (8-9 credits)
  Audio-Visual Aids, TE-356 (2)
  Educational Psychology, P-325 (3)
  Speech Communication for Teachers, CM-311 (3)
  Secondary School Methods, TE-381 (3)
  Foundations of Geometry, M-311 (3)

Music
CCB No. 4
Student Teaching No. 3 (6 credits)
CCB Choices: (8-9 credits)
  Audio-Visual Aids, TE-356 (2)
  Educational Psychology, P-325 (3)
  Secondary School Methods, TE-381 (3)
(Music courses to be arranged)

Physical Education
CCB No. 2
Student Teaching No. 1 (6 credits)
CCB Choices: (8-9 credits)
  Audio-Visual Aids, TE-356 (2)
  Educational Psychology, P-325 (3)
  Gymnastics, Apparatus, Fitness Techniques, PE-336 (2)
  Problems in Physical Education, PE-425 (2)
  Problems in Interscholastic Athletics, PE-430 (2)

Note: Secondary School Methods, TE-381 (3) is to be taken the semester preceding student teaching.

Sciences
CCB No. 3
Student Teaching No. 4 (6 credits)
CCB Choices: (8 credits)
  Audio-Visual Aids, TE-356 (2)
  Educational Psychology, P-325 (3)
  Secondary School Methods, TE-381 (3)

Social Science
CCB No. 1
Student Teaching No. 2 (6 credits)
CCB Choices: (8-9 credits)
  Audio-Visual Aids, TE-356 (2)
  Educational Psychology, P-325 (3)
  Speech Communication for Teachers, CM-311 (3)
  Secondary School Methods, TE-381 (3)
  History — The National Era, 1815-1848, HY-353 (3)

Note: Transfers from other institutions to Boise State College will need to be integrated as soon as possible into a schedule. Ordinarily, they should be assigned to Student Teaching No. 1 and CCB No. 2.

MINOR OPTION
LIBRARY SCIENCE TEACHING MINOR

In addition to general certification requirements, the training required for teacher librarians, at any grade level, shall be not less than 24 semester credit hours in the general field of educational media, 12 of which must be in the areas of material selection, organization and administration, cataloging and classification, and reference and bibliography. Students must be able to type.

Up to six semester credit hours in the subject areas listed below may be substituted for an equal number of hours in the field of educational media, for the purpose of meeting the requirements for the endorsement:

- Philosophy of Education
- Educational Administration
- Curriculum Design or Development
- Pedagogy or Methods of Instruction
- Educational Psychology, or Theory of Learning
- Child or Adolescent Psychology
- Communications
- Graphic Arts

A student wishing to become a professional librarian by continuing in a graduate school of librarianship should consult with the library staff, or with the library science instructor, for guidance in planning his undergraduate program. These basic courses which follow, however, will give suitable academic training for librarians in small public libraries of the area, who are unable to afford graduate library schools:

- Introduction to Use of Libraries 2
- Library Organization and Administration 3
- Reference and Bibliography 3
- Basic Book Selection 3
- Cataloging and Classification 3
- Children's Literature 3
- Audio Visual Aids in Education 2
- Literature for the Adolescent 3

* Basic Requirements
** For all Elementary Education Majors.
Placement
A Teacher Placement Service is maintained by the College Placement Office, which is administered by the Dean of Student Personnel Services.

Center for Counseling, Guidance, and Testing
The Center provides special services for students with problems in educational, vocational and personal areas. The Center is especially designed for students with specific reading problems. Other services include professional testing and counseling.

Reading Education Center
This Center provides special services for college and public school students with specific problems in reading.

Faculty members, public school teachers and parents may seek assistance from the Reading Education Center for students who need diagnosis followed by planned instruction for improvement.

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION AND RECREATION

Dr. G. Cooper, Chairman

Professors: G. Cooper, L. Smith

Associate Professor: B. Bowman

Assistant Professors: P. Bowman, J. Boyles, D. Connor, G. Gochnour, R. Lewis

Instructors: P. Holman, W. Jones, M. Satterfield, C. Thorngren

PHYSICAL EDUCATION

The Department of Health, Physical Education and Recreation offers a major with specialization in secondary school physical education and minors in secondary school physical education and athletic coaching. In addition, courses are offered in Health, Recreation, Elementary School Physical Education and Physical Education for Special Education Teachers. Students who complete the major program are eligible to receive the Standard Secondary School Teaching Certificate issued by the State of Idaho.

The Physical Education-Recreation area and all of its facilities are available for student and faculty use. Students are encouraged to participate in the intramural-extramural program offered by the department.

SCHOOL OF EDUCATION

Department of Health, Physical Education and Recreation

Elective Physical Education Activity Program:
EIGHT SEMESTER HOURS OF PHYSICAL EDUCATION ACTIVITY COURSES MAY BE COUNTED TOWARD GRADUATION.

The elective physical education program at Boise State College has been designed with the needs of the student in mind. Emphasis is placed on instruction to meet the following objectives:

1. To develop the physical capacities that comprise the biological bases for physical fitness.
2. To improve skills in basic body mechanics, team and individual sports, and in rhythmic and creative activities.
3. To develop an understanding of self through movement experiences.
4. To acquire knowledge and understanding of the rules, courtesies, customs, strategies, and techniques of several sports.
5. To improve social competency and emotional stability through participation in sports activities.

The elective program includes beginning level activities and intermediate/advanced level activities. No courses may be repeated for credit.

REQUIREMENTS FOR
PHYSICAL EDUCATION MAJOR
Bachelor of Science Degree

CREDITS

I. Secondary Education Option
A. Program for Men and Women
1. General College and Degree Requirements to include:
   Concepts of Biology .......................... 4
   Foundations of Physical Science .......... 4
   One course elected from science area .... 4
   Human Anatomy and Physiology .......... 5
   Kinesiology ................................ 3
   Physiology of Exercise .................... 3
   General Psychology ......................... 3
   Sociology (elective) ....................... 3

2. Physical Education requirements
   Introduction to Physical Education ...... 2
   First Aid, Health and Safety Education . 3
   Foundations of Physical Education ....... 3
   Tests and Measurements ................... 2
   Skills for Teaching Physical Education .. 6
   Organization and Administration ........ 3
   Problems in Physical Education .......... 2
   Physical Education Activities (elective) 8
      Requirements: Gymnastics, Recreational Dance,
      4 courses selected from Individual sports
      2 courses selected from Team sports
      Physical Education Electives ............ 4
      (the following courses are especially
      recommended)
      Elementary physical education .......... 2
      Correctives ............................... 2
      Care and Treatment of Injuries .......... 2
      Introduction to Recreation ............... 2
      Gymnastics and Apparatus Techniques ... 2
      Dance Techniques ........................ 2

3. A minimum of 15 credits in electives outside the
   major field ................................ 15

4. Education requirements for State Certification for
   Secondary Education ....................... 20

II. Physical Education Minor
A. Program for Men and Women
1. Physical Education courses required .......... 24
   Introduction to Physical Education ...... 2
   First Aid, Health and Safety Education . 3
   Skills for Teaching Physical Education .. 6
   Kinesiology (Prerequisite: Anatomy and
   Physiology) ................................ 3
   Physical Education activities electives .. 6
      (includes Gymnastics, Recreational Dance,
      and 4 courses selected from Swimming, Soccer,
      Volleyball, Tennis, Badminton, Track and
      Field, Field Hockey, Archery, Golf.)
   Physical Education Electives ............ 4

II. Coaching minor (men)
1. Physical Education Courses required .......... 23
   Introduction to Physical Education ...... 2
   First Aid, Health and Safety Education . 3
   First semester Course Skills of Teaching
   Physical Education ......................... 3
   Care and Treatment Athletic Injuries ...... 2
   Physiology Exercise (Prerequisite: Anatomy
   and Physiology) ........................... 3
   Problems in Interscholastic Athletics .... 2
   Coaching Methods .......................... 8

   * The subjects (Kinesiology and Physiology of Exercise) are included in the
   General College degree requirements and therefore are not listed in the Physical Educa-
   tion requirements.

120
The School of Education, through its Department of Psychology, confers a baccalaureate degree in psychology. Because of the core requirements for all candidates, it is regarded as a degree in general psychology but considerable latitude is allowed within the framework set by those requirements, as at least twelve hours of each student’s course work in psychology are “elective.”

The student should be aware, however, that even the elective courses function as parts of a total program designed to produce a graduate with a strong background in basic psychology, and under no circumstances should he regard successful completion of that program as a preparation to perform psychological services of any kind. 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.

Every psychology major, whether or not he is planning to enter graduate school, must sit for the Graduate Record Examination (both “Aptitude” and “Advanced”) at some time during his senior year.

**REQUIREMENTS FOR PSYCHOLOGY MAJOR**

**Bachelor of Arts or Bachelor of Science**

I. Lower division (68-70 credits)

A. Psychology (see B.2 below)

B. Other

1. Area I ........................................... 12
2. Area II ......................................... 24
   History sequence ................................ 6
   “Single Area II field other than History:”
   General Psychology, 101 or Intro to Practice of Psychology, 201 or Intro to Physical Science, 101-102 or Advanced General Biology B-101-102 or Advanced General Biology B-203-204 .......................... 3
   Third Area II field ................................ 3
   Any Area II field .................................. 9
3. Area III ........................................... 24-26
   Fundamentals of Mathematics 105-106 or Introduction to Physical Science, Introduction to Chemistry, or General Chemistry 8-10 General Biology B-101-102 or Advanced General Biology B-203-204 8-10
4. English Composition, 101-102 .............................................. 6
5. Basic Physical Education Activities ............................. 2

II. Upper Division (40 credits)

A. Psychology ........................................... 25
   1. Statistical Methods .................................. 3
   2. Experimental Psychology ................................ 4
   3. Psychological Measurement ................................ 3
   4. Psychological Systems .................................... 3
   5. Psychology Electives .................................... 12
B. Upper Division Electives ................................ 15

III. Free electives (18-20 credits)

**NOTE:** In both degree programs, “in addition to the (prescribed) degree requirements, a minimum of 15 credit hours is required ... in electives outside of the major field.” Because a psychology major takes 12 (at least) hours more than the minimal requirements in Area III, this means that 3 (at most) of his “free electives” must be outside of his major department.

**Suggested Program**

**FRESHMAN YEAR:**

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td><em>English Composition</em></td>
<td>3</td>
<td>3</td>
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<tr>
<td><em>Fundamental Concepts of Mathematics</em></td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><em>Principles of Physical Science, Introduction to Chemistry or General Chemistry</em></td>
<td>4 or 5</td>
<td>4 or 5</td>
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<tr>
<td><em>History sequence</em></td>
<td>3</td>
<td>3</td>
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<tr>
<td>Physical Anthropology</td>
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<td>Cultural Anthropology</td>
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**SOPHOMORE YEAR:**

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
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<tbody>
<tr>
<td><em>General Psychology</em></td>
<td>3</td>
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<tr>
<td><em>Introduction to Practice of Psychology</em></td>
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<td>3</td>
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<tr>
<td><em>General Biology or Advanced General Biology</em></td>
<td>4 or 5</td>
<td>4 or 5</td>
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<tr>
<td><em>Introduction to Humanities, Music, Art, or Drama</em></td>
<td>3</td>
<td>3</td>
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<tr>
<td><em>Literature</em></td>
<td>3</td>
<td>3</td>
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<tr>
<td>Introduction to Sociology</td>
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<tr>
<td>Social Problems</td>
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<td>3</td>
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<tr>
<td>Physical Education</td>
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**JUNIOR YEAR:**

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<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td><em>Statistical Methods</em></td>
<td>3</td>
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<tr>
<td><em>Experimental Psychology</em></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Federal Government</td>
<td>3</td>
<td></td>
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<tr>
<td>State and Local Government</td>
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<td>3</td>
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<tr>
<td>Child Psychology</td>
<td>3</td>
<td></td>
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<tr>
<td>Adolescent Psychology</td>
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<td>3</td>
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<tr>
<td>Abnormal Psychology</td>
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<tr>
<td><em>Psychological Measurement</em></td>
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<td>3</td>
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<tr>
<td>Free Electives</td>
<td>3</td>
<td>2</td>
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**SENIOR YEAR:**

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<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tr>
<td>Physiological Psychology</td>
<td>3</td>
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<tr>
<td>Personality</td>
<td></td>
<td>3</td>
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<tr>
<td><em>Psychological Systems</em></td>
<td>3</td>
<td></td>
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<tr>
<td>Upper Division Electives</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Free Electives</td>
<td>6</td>
<td>3</td>
</tr>
</tbody>
</table>

**NOTE:** This program was designed as a model for a PROFESSIONAL ORIENTATION in psychology; however, it will serve an ACADEMIC ORIENTATION also if courses in LEARNING and PERCEPTION are added as electives or are substituted for two of the non-asterisked upper-division psychology courses listed here.

*Other than English Composition.

*Substitution not allowed.*
Course Offerings

PE PHYSICAL EDUCATION

101 Introduction to Physical Education (co-ed) — 2 credits
   (2 1-hour lectures, 1 hour lab.) Designed to give the prospective physical education teacher an understanding of what is involved in the profession; physical education as a merging profession; service rendered by physical educators; setting for physical education; relationship of physical education to health, recreation, camping, and outdoor education; leadership in physical education; duties of physical educators; professional preparation; professional organizations; Certification requirements; challenges facing physical education. One hour laboratory to include testing for skills, basic fundamental movements, and observation of programs. Prerequisite: none. First semester.

103 Introduction to Recreation (co-ed) — 2 credits
   Designed to acquaint the student with the growth and development of community recreation and the role of community recreation in our present day society. Second semester. Prerequisite: None.

106 First Aid, Health, and Safety Education (co-ed) — 3 credits
   (3 1-hour lectures). The course will cover standard and advanced First Aid with emphasis on practical use of the knowledge in various occupations; needs for safety education, the role of the school in a program of safety, methods and materials in safety education, phases of health in which the student can aid in conserving the health of himself, his family, and the community. Prerequisites: None. Each semester.

152 Beginning Swimming (W) — 1 credit
   Teach basic skills: floating, bobbing and basic swimming techniques, American crawl, side stroke, back stroke. For students that don't know how to swim. Each semester.

155 Drill Team Clinic — 1 credit
   A workshop designed to teach how to organize, operate and control a girl's marching and dancing team, to create football drills, basketball shows, and parades. Summer session.

157-158 Drill Team (W) — 1 credit
   Drills composed of dance steps and arranged in various formations and maneuvers for half-time presentation at football and basketball games. One hour daily. By instructor's permission. Each semester.

159 Self-Defense (W) — 1 credit
   The defensive arts are presented in the form of Aikido, teaching coordination of mind and body, and on-aggressive application of the natural laws of gravity and force. Each semester.

161 Badminton (W) — 1 credit
   A general introduction to rules and fundamentals of Badminton. Each semester.

162 Badminton (M) — 1 credit
   A general introduction to rules and fundamentals of Badminton. Each semester.

163 Volleyball (W) — 1 credit
   A course in the fundamentals and team strategy of volleyball. Also designed for the improvement of skill. Each semester.

164 Volleyball (M) — 1 credit
   A course in the fundamentals and team strategy of volleyball. Also designed for the improvement of skill. Each semester.

165 Basketball (W) — 1 credit
   A course in the fundamentals and team strategy of basketball. Also designed for the improvement of skill. Each semester.

166, 167 Varsity Participation (M) — 1 credit

168 Basketball (M) — 1 credit
   General rules and participation. Second semester.

169 Tennis (W) — 1 credit
   An introductory course to provide training and special skills and rules in tennis. Each semester.

170 Tennis (M) — 1 credit
   An introductory course to provide training and special skills and rules in tennis. Each semester.

171 Field Hockey (W) — 1 credit
   A course in the fundamentals and team strategy of field hockey. Also designed for the improvement of skill. First semester.

172 Softball (W) — 1 credit
   Second semester.

173 Soccer (M) — 1 credit
   Each semester.

174 Judo (M) — 1 credit
   Each semester.

175 Self-Defense (M) — 1 credit
   Each semester.

176 Beginning Swimming (M) — 1 credit
   Teach basic skills: floating, bobbing and basic swimming techniques, American crawl, side stroke, back stroke. For students that do not know how to swim. Each semester.

178 Beginning Swimming (M) — 1 credit
   Teach basic skills: floating, bobbing and basic swimming techniques, American crawl, side stroke, back stroke. For students that do not know how to swim. Each semester.

179 Rugby (M) — 1 credit
   First semester.

180 Archery (co-ed) — 1 credit
   Each semester.

181 Golf (co-ed) — 1 credit
   Each semester.

182 Track and Field (W) — 1 credit
   A course in the fundamentals, theory, and practice of running, hurling, shot put, discus, standing broad jump, running broad jump, and high jump. Second semester.

183 Handball and Court Games (M) — 1 credit
   Techniques and skills of handball and paddleball with special emphasis on playing procedures. Either semester.

184 Recreational Dance (co-ed) — 1 credit
   A course in the fundamentals of dance, designed to increase the knowledge and skill of the student. The course will include folk, square, round, mixers, and basic social dances. Each semester.

185 Activities for Fitness (W) — 1 credit
   Emphasis on body mechanics to increase physical fitness. Poise, coordination, improvement of posture through exercises also are stressed. Each semester.

186 Activities for Fitness (M) — 1 credit
   Techniques and skills for individual fitness, with emphasis
on drills and general physical conditioning programs for individual needs. Each semester.

188 Social Dancing (co-ed Elective) — 1 credit
Either semester.

189 Folk and Square Dancing (co-ed Elective) — 1 credit
Either semester.

190 Bowling (co-ed Elective) — 1 credit
Each semester.

191 Skiing and Mountaineering (co-ed Elective) — 1 credit
Second semester.

192 Defensive Tactics (co-ed Elective) — 1 credit
Each semester.

193 Touch Football (M) (Elective) — 1 credit
First semester.

201 Foundations of Physical Education (co-ed) — 3 credits
(3 1-hour lectures) Course content consists of philosophy of education and physical education, objectives of physical education, physical education's role in general education, changing concepts of physical education, scientific foundations of physical education, curriculum development in physical education, history and principles of physical education. Sophomore year. Prerequisite: Introduction to Physical Education. Either semester.

203, 204 Sports Officiating (co-ed) — 2 credits
Either semester.

208 Beginning Gymnastics (M) — 1 credit
Each semester.

209 Advanced Self-Defense (M) — 1 credit
Prerequisite: Self-Defense or instructor's permission. Each semester.

210 Advanced Judo (M) — 1 credit
Prerequisite: Judo or instructor's permission. Each semester.

253 Beginning Gymnastics (W) — 1 credit
Each semester.

255 Tests and Measurements (co-ed) — 1 credit
Testing procedures and standard tests used in physical education activities; physical makeup of examinations and importance of evaluating programs in physical education. Prerequisite: Introduction to Physical Education. Either semester.

273 Advanced Gymnastics (co-ed) — 1 credit
Special emphasis is placed on developing combination and routines on the different types of apparatus. (Prerequisite: Beginning Gymnastics or instructor's permission.) Each semester.

277 Weight Training (M) — 1 credit
Each semester.

281 Advanced Swimming (co-ed) — 1 credit
To provide the swimmer with additional strokes and self rescue techniques that will make him a better participant in the sport of swimming. Each semester.

282 Senior Life Saving (co-ed) — 1 credit
To teach the advanced pupil about Senior Life Saving, the 9 basic styles of Swimming. The student should be of sound physical condition and have a better than average swimming ability. (Prerequisite Senior Life Saving or permission of the instructor.) Each semester.

283 Water Safety Instruction (co-ed) — 1 credit
For those students interested in learning to teach swimming and water safety. Prerequisite: Senior Life Saving. Each semester.

286 Fencing (co-ed) — 1 credit
Each semester.

Upper Division

301-302 Skills for Teaching Physical Education (co-ed)
— 3 credits each
Consideration of teaching methods and procedures, techniques and skills in a variety of activities, development of units and lesson plans, and laboratory experiences as a student assistant in activity classes. Prerequisites: Introduction to Physical Education and Foundations of Physical Education Sequence course.

319 Techniques and Methods of Coaching Football
— 2 credits
Details of teaching individual fundamentals, offensive and defensive play, strategy, and conditioning of players. Prerequisite: Junior standing or instructor's permission. Fall semester.

320 Techniques and Methods of Coaching Wrestling
— 2 credits
Offense and defense in wrestling, equipment and training; meets and tournaments; wrestling styles; and conditioning and facilities. Prerequisite: Junior standing or instructor's permission. Either semester.

323 Techniques and Methods of Coaching Basketball
— 2 credits
Methods of coaching offense and defense, styles of play; beer and basketball strategy. Prerequisite: Junior standing or instructor's permission. Either semester.

324 Techniques and Methods of Coaching Baseball
— 2 credits
Baseball fundamentals including batting, fielding, conditioning and training. Prerequisite: Junior standing or instructor's permission. Spring semester.

327 Techniques and Methods of Coaching Track and Field
— 2 credits
The theory and methods of coaching the various events in track and field and the planning of meets. Prerequisite: Junior standing or instructor's permission. Spring semester.

328 Care and Treatment of Athletic Injuries
— 2 credits
The care, prevention, and treatment of athletic injuries. The study and practice of modern athletic training methods. Prerequisite: Junior standing. Kinesiology or Physiology of Exercise. Either semester.

336 Gymnastics, Apparatus, Fitness Techniques (co-ed)
— 2 credits
CCBII One hour lecture and one two-hour lab. Techniques and skills of gymnastics and apparatus. Agility drills and general physical conditioning including safety precautions, equipment and measurement. Prerequisite: Junior standing, Gymnastics or instructor's permission. First semester.

341 Dance Techniques (co-ed) — 2 credits
Fundamentals and advanced techniques in Ethnic Folk and American Square Dances with additional Social Dance techniques. Prerequisite: Folk and Square Dance and Social Dance. 1 hour lecture and 1 two-hour lab. Either semester.

351 Kinesiology (co-ed) — 3 credits
A study of the range, quality, and capacities of movement of the human body; analysis of muscular movement in sports activities. Prerequisite: Junior standing, Human Physiology and Anatomy Z-107. Either semester.

355 Physiology of Exercise (co-ed) — 3 credits
The effects of muscular exercise and physical conditioning on the circulatory, respiratory, and other physiological processes. Prerequisite: Junior standing; Human Physiology and Anatomy. Either semester.
Courses - PE, P

357 Rhythms for Kindergarten, Special Education and Elementary School Teachers (co-ed) — 2 credits
   The analysis of the fundamentals, the development of skills, and the application of methods in teaching rhythms in kindergarten, special education and elementary school physical education. To include Folk Dance, Square Dance, Rhythm Balls, Rhythmic Rope Skipping, Singing Games, Rhythms for the typical child, Parachute Rhythms; Rhythm stick, etc. Prerequisite: Junior standing. Second semester.

359 Skills for Teaching Physical Education for Kindergarten and Special Education Teachers (co-ed) — 2 credits
   A course designed for future special education teachers, kindergarten teachers and Elementary Physical Education Minor with emphasis on teaching methods of physical education to kindergarten and special education students. Prerequisite: Junior standing. Either semester.

361 Elementary School Physical Education (co-ed) — 2 credits
   The study of the physical needs of elementary school children combined with the selection and planning of activities; methods and procedures in the presentation of physical education program. One hour lecture. One hour lab per week. Prerequisite: Junior standing. Either semester.

425 Problems in Teaching Physical Education (co-ed) — 2 credits
   CCN 2 1-hour lectures. A course for senior students who have completed student teaching. Students will mutually consider problems encountered in student teaching and attempt to solve them. The resources of the entire physical education staff, plus outside experts will be used. Opportunities for individual research will be provided. Prerequisite: Student teaching. First semester.

430 Problems in Interscholastic Athletics (co-ed) — 2 credits
   CCN 2 hour lecture. Study of the organization and management of interscholastic athletics including nature and functions of budgeting, finance, personnel, facilities, equipment, supplies, scheduling, records, public relationships, legal responsibilities, professional relationships, and professional advancement. Prerequisites: One semester of Skills for Teaching Physical Education and Senior standing. First semester.

451 Correctives (co-ed) — 2 credits
   Survey of common deviations of posture, functional disturbances and crippling conditions found in school children. Consideration of the extent and limitations of the teacher's responsibility for correction or improvement of physical defects. Prerequisite: Junior standing or instructor's permission. Second semester.

457 Organization and Administration of Physical Education (co-ed) — 3 credits
   Study of departmental organization, instructional and recreational programs, supervision of instruction, physical plant, and finance. Prerequisite: Junior standing or instructor's permission. Either semester.

471 High Organized Games (W) — 2 credits
   Special emphasis is placed on officiating; prevention and care of athletic injuries; selection and maintenance of equipment for the respective games. One hour lecture and one two hour lab. Either semester.

P PSYCHOLOGY

101 General Psychology — 3 credits
   The first half of an introductory course in psychology. General Psychology 101 and 102 are more concerned with theory and terminology than are the other beginning courses listed in this section. Emphasis in the first semester will be on growth and development, individual differences, motivation, emotion, adjustment, learning perception, and thinking. Recommended preparation: one year of college-level science. Each semester.

105 Applied Psychology — 3 credits
   A study of the application of psychological principals to selected activity areas, such as business, education, military, medicine, law enforcement, etc. The course is designed especially for those students whose majors lie outside the behavioral sciences. Either semester.

201 Intro to Practice of Psychology — 3 credits
   An exposure to psychology as it is actually applied as professional practice in public and private settings. Direct interaction, through lecture and discussions, with psychologists who are employed in a wide variety of specific occupations. Prerequisite: General Psychology 101 and consent of instructor. Second semester.

210 Human Growth and Development — 3 credits
   A survey of significant factors in development from conception through adolescence. Consideration is given to normal patterns of maturation and adjustment. Major constitutional and environmental adjustment problems will also be presented. The course is intended for those who wish to study the general factors in child and adolescent development, not for psychology or education majors. Students may not earn credits in this course and in Child Psychology P-311 or Adolescent Psychology P-312. Either semester. Not offered 1972-73.

Upper Division

301 Abnormal Psychology — 3 credits
   A descriptive approach to the study of the etiology, development, and dynamics of behavioral disorders, together with a review of current preventive and remedial practices. Prerequisite: General Psychology 101. Either semester.

305 Statistical Methods — 3 credits
   Statistical concepts and methods commonly used in treatment of data in the Social Sciences. Topics covered will include: measures of central tendency and of variability, correlation measures, probability, and simple analysis of variance. Prerequisites: Fundamental Concepts of Mathematics 105-106. Each semester.

311 Child Psychology — 3 credits
   A study of development and adjustment from conception to adolescence. Consideration will be given to both constitutional and environmental factors, to normal growth patterns, and to problem areas. Students may not earn credits in this course and in Human Growth and Development P-210. Prerequisite: General Psychology 101. Each semester.

312 Adolescent Psychology — 3 credits
   Chronologically a continuation of Child Psychology P-311; the course will emphasize the special conditions of adolescent growth and adjustment. Consideration will be given to maturational and social patterns, and to behavioral, learning, and other problem areas. Students may not earn credits in this course and in Human Growth and Development P-210. Prerequisite: General Psychology 101. Second semester.
321 Experimental Psychology — 4 credits
The application of scientific methodology to the study of behavior. Design of experiments; methods of analysis and interpretation of data; reporting of behavioral research. Two lectures and two two-hour laboratory periods per week. Prerequisite: General Psychology 101. Statistical Methods P-305 and Fundamental Concepts of Mathematics 105-106. Each semester.

325 Educational Psychology — 3 credits
A critical examination of some psychological concepts that have relevance to the process of education. Prerequisite: General Psychology 101. Each semester.

341 Perception — 3 credits
A survey of the basic concepts in the psychology of perception, including a review of the findings of present day research on the receptor processes. Prerequisite: General Psychology 101. Offered alternate years. Either semester.

351 Personality — 3 credits
A study of the major contemporary theories and concepts of personality. Prerequisite: General Psychology 101. Second semester.

353 Psychoanalytic Psychology — 3 credits
Human emotion & motivation from the points of view of Freudian theory and its derivatives. Prerequisite: Gen Psych. 101. (Suggested companion course — either earlier or later — Personality 351.) First semester only.

421g Psychological Measurement — 3 credits
An introduction to the theory and nature of psychological measurement together with a survey of types of psychological tests currently used. Prerequisite: General Psychology 101, Fundamental Concepts of Mathematics 105-106 and Statistical Methods P-305. Second semester.

425 Physiological Psychology — 3 credits
A survey of classical and current problems, with emphasis on nervous and endocrine systems in the processing of information with the organization of behavior. Examples of sensation, perception, motivation, emotion, and learning will be studied from this point of view. Prerequisites: General Psychology 101 and consent of instructor. Offered alternate years. Either semester.

431 Social Psychology — 3 credits
Social factors affecting individual behavior: formation and change of attitudes; social and cultural effects on individual cognitions; effects of leadership on members of groups and organizations. This course may be used as either Psychology or Sociology credit. Prerequisite: General Psychology 101 and Introduction of Sociology 101. Either semester.

435 Psychology of Motivation — 3 credits

441 Learning — 3 credits
Fundamental concepts of learning, with emphasis on recent developments in the field. Topics to be covered include: Conditioning, rote learning, problem solving, memory, discrimination, and motor skills. Prerequisite: General Psychology 101, Fundamental Concepts of Mathematics 105-106, Statistical Methods P-305. Experimental Psychology P-321 may be taken before or concurrently with Learning. Offered alternate years. Either semester.

461 Psychological Systems — 3 credits
Theories and controversies of the past and present. Prerequisite: Senior standing in Psychology. Either semester.
371 Guidance for the Classroom Teacher — 3 credits
A study of the guidance activities normally carried on by the classroom teacher. Either semester.

381 Secondary School Methods — 3 credits
A study of the over-all program and objectives of the secondary school, with special attention given to methods and materials of instruction. Application is given to the student’s major and minor teaching areas. Prerequisites: (1) Admission to Teacher Education; (2) Completion of Educational Psychology (P-325) or Adolescent Psychology (P-312); (3) G.P.A. of at least 2.25 in major field, minor field, and education courses. This course should be taken prior to student teaching. Each semester.

391 Psychology of the Exceptional Child — 3 credits
A psychological study of children who deviate from the average mentally, physically, socially, and emotionally to such an extent that special treatment is needed. Problems of identification, diagnosis, treatment, training, and employment are considered. Prerequisite: Educational or Child Psychology. First semester.

392 Education of the Exceptional Child — 3 credits

393 Driver Education — 2 credits
This course is designed to aid teachers in the instruction of beginning drivers, and in the use of dual controlled automobiles. It includes the functioning of the vehicle, its proper operation, and traffic control and safety. Spring, Summer.

394 Advanced Driver Education — 2 credits
A course designed to provide advanced preparation in principles and practices of driver and traffic safety education for teachers, supervisors, and administrators. Prerequisite: TE-393. Spring, Summer.

395 General Safety Education — 3 credits
This course is designed to provide a comprehensive survey of general safety education as it applies to all fields but especially to the public schools. Topics include the study of accidents and their prevention, safety and accident prevention in the schools, traffic safety, student transportation and the school’s role relative to safety problems with other public and private agencies. Prerequisite: Upper division standing.

455 Corrective Reading in the Elementary School — 3 credits
A study of reading difficulties of elementary school pupils with emphasis upon diagnosis, materials, and methods of teaching. Prerequisite: Elementary Student Teaching, TE-471, or teaching experience and a basic course in the teaching of reading. Either semester.

470 Elementary Student Teaching — 3 credits
Observation and supervised teaching in the schools of Boise. Summer.

471 Elementary Student Teaching — 5 credits
Observation and supervised teaching. Prerequisite: Approval of an Application for Student Teaching, Senior standing, and G.P.A. 2.25. First semester.
To be taken concurrently with Elementary Curriculum and Methods. TE-351. Application for admission must be filed by March 1 of Junior year with office of the Assistant Dean.

472 Elementary Student Teaching — 5 credits
Observation and supervised teaching. Prerequisite: TE-351. To be taken concurrently with Elementary Curriculum and Methods. TE-352. Second semester.

481 Secondary Student Teaching — 6 credits
Supervised student teaching in a public secondary school. This is practical teaching experience in the student’s major and/or minor teaching field. Prerequisites: (1) Admission to Teacher Education; (2) Completion of Educational Psychology (P-325) or Adolescent Psychology (P-312); (3) Secondary School Methods (TE-381) must be completed prior to student teaching; (4) Completion of at least 11 semester hours of education and psychology requirements (P-325 and/or P-312); (5) G.P.A. of at least 2.25 in major field, minor field, and education courses; (6) Senior standing; (7) Recommendation of the student’s academic advisor; (8) Approval of an official application for student teaching, which must be filed with the office of the Assistant Dean, by February 15 of the Junior year. Each semester.

LS LIBRARY SCIENCE

Lower Division

101 Introduction to use of Books and Libraries — 2 credits
Teaches efficient use of library materials, card catalog, indexes, general reference books, and reference aids in various subject fields. Open to any student but designed primarily for freshmen, sophomores and new students. Recommended for education majors. Each semester.

Upper Division

301 Library Organization and Administration — 3 credits
An introduction to the development, organization, and management of all types of libraries, with emphasis on the school library and its place in the instructional program. First semester.

311 Reference and Bibliography — 3 credits
Introduction to the principles and techniques of reference work; the evaluation and use of basic reference books, indexes, and bibliographies found in school and small public libraries. First semester.

316 Children’s Literature — 3 credits
Emphasis on selection, wide reading, and evaluation of books for children, and reading guidance in relation to both personal and curricular needs. Required of elementary education majors and elementary school librarians, recommended for public librarians, parents and any who work with children. Each semester.

321 Basic Book Selection — 3 credits
Principles and techniques for evaluating and selecting library materials; introduction to reviewing media and to basic tools for selecting and acquiring all types of book and non-book materials. Includes discussions of discarding and weeding, and materials for the slow and gifted reader. Second semester.

331 Cataloging and Classification — 3 credits

**341 Literature for the Adolescent — 3 credits
Reading and appraisal of literature appropriate to the needs, interests, and abilities of young people. Intended for librarians, high school teachers and others interested in working with young adults. Prerequisite: 3 credits of Lower Division Literature. Second semester.

*Especially recommended for secondary teachers.
**Especially recommended for secondary language arts teachers.
MASTER OF ARTS IN
ELEM ENTARY EDUCATION

General Prerequisites for Applicants
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 School of Education as well as the specific regulations of the particular program to which they apply.

All applicants must be accepted by the School of Education through its Department of Teacher Education. Specific requirements will be determined by this department for graduate admission to a teacher education program designed to provide graduate preparation of elementary teachers.

The Graduate Degree Program
The elementary education graduate program will consist of at least 30 semester hours of credit, determined as follows:

| Required courses — Education | 9 semester credits |
| Elective courses — Education | 12 semester credits |
| Open electives | 6 semester credits |
| Seminar | 3 semester credits |

30 semester credits

A written or oral comprehensive examination over the courses selected by the candidate will be given prior to admission in the final seminar. Successful completion of this examination will be necessary for admission to the final seminar.

A maximum of 9 semester credits may be accepted from other graduate schools upon application and consideration of applicability of the course by a committee of the graduate faculty.

Required Courses in Education
A comprehensive core of 9 semester hours is a requirement for all candidates for the Master of Arts in Elementary Education degree.

TE-570, 571, 572  Comprehensive Core for Elementary Education — 3 credits
This comprehensive core provides "currency" in the following areas:
Elementary curriculum development and innovation
Testing, Evaluation and Educational Research
Learning Theories and Applied Psychology
Philosophical and Sociological Foundations

TE-598  Seminar in Elementary Education — 3 credits
This seminar is required of all candidates. The seminar will include directed reading, individual or group action research, and project writing.

Elective Courses in Education
Twelve semester hours of credit must be chosen from the courses listed in this elective area. At least one course must be chosen from Cluster I and from Cluster II. The candidate will be able to select courses which will strengthen his effectiveness as an elementary teacher.

Cluster I (Choose at least one course)

TE-501  Advanced Practices and Principles in Teaching
Reading — 3 credits
The total reading process is stressed. Areas such as readiness, grouping, methodologies, new approaches to reading, dictionary skills, word attack skills and comprehension skills are emphasized. Procedures of testing both standardized and informal are discussed.

TE-510  Advanced Practices and Principles in Teaching
Social Science — 3 credits
A comprehensive study of the practices and principles in social science education, including objectives, social problems, unit development, work-study skills, organization of the program materials and media, and research findings basic to social studies will be developed.

TE-511  Advanced Practices and Principles in Teaching
Elementary Mathematics — 3 credits
A study will be made of the number abilities needed by children, the methods needed in providing number experiences, desirable teaching procedures, use of materials, and research findings in mathematics.

TE-512  Advanced Practices and Principles in Teaching
Language Arts and Linguistics — 3 credits
Emphasis will be given to the role of language arts and linguistics in the elementary school curriculum, stressing the newer approaches to language development, spelling, writing, listening-speaking skills.

TE-513  Advanced Practices and Principles in Teaching
Elementary Science — 3 credits
Current practices and principles in modern elementary science concepts will be developed. Particular reference will be made to selecting and organizing content and experimental activities.

TE-514  Advanced Practices and Principles in Teaching
the Humanities — 3 credits
Integration of the humanities and fine arts into the elementary curriculum will be the major concern of this study. Methods, activities, projects and media will be investigated.

Cluster II (Choose at least one course)

P-501  Counseling and Guidance in the Elementary Classroom — 3 credits
A study of counseling & guidance techniques for the elementary school. Attention is given to the study & application of basic guidance services as related to the regular & to special education programs.
TE-505 Tests and Measurements — 3 credits
An intensive investigation is pursued in the field of individual testing, measurement and evaluation.

TE-515 Development of Skills for Teaching Pupils with Learning Difficulties — 3 credits
A study of the techniques and methods applicable for use by the classroom teacher in developing skills for working with pupils with learning difficulties will be the major emphasis of this course.

TE-516 Development of Skills for Teaching the Fast Learner — 3 credits
The techniques and methods applicable for use by the classroom teacher in developing skills for working with pupils with exceptional abilities will be studied.

TE-517 Development of Skills for Teaching the Mentally Retarded — 3 credits
The techniques and methods applicable for use by the classroom teacher in developing skills for working with mentally retarded pupils will be studied.

P-502 Advanced Educational Psychology — 3 credits
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.

P-503 Individual Testing Practicum — 3 credits
Emphasis in the course will be placed on the techniques and procedures of administering and scoring current, standardized intelligence tests. In addition, relevant empirical studies and theoretical formulations will be intensively surveyed as a basis for understanding and interpreting test data. Prerequisite: Mathematics 105-106, Statistics, and Psychological Measurement, P-421.

P-504 Analysis of the Individual — 3 credits
A study of techniques used in analyzing the individual with emphasis on the elementary level. The course includes observational methods, recording behavior, behavioral analysis, interviewing and use of test information.

P-505 Personality Development — 3 credits
Critical consideration of the main personality theories, particularly those which emphasize current concepts regarding learning, perception and motivation is developed. Study of the interaction of emotional and cognitive factors in personality development at different age levels is pursued.

P-421g Psychological Measurement — 3 credits
An introduction to the theory and nature of psychological measurement together with a survey of psychological tests currently used. Prerequisite: General Psychology P-101, Fundamental Concepts of Mathematics M-105-106 and Statistical Methods P-305.

Additional Elective Courses in Education

TE-518 Techniques for Creative Writing in Elementary Schools — 3 credits
Methods and techniques for encouraging creative writing in the elementary school pupils will be given.

TE-519 Advanced Children’s Literature — 3 credits
A presentation of the latest in children's literature for use in the elementary school will be made. Special emphasis upon children's poetry will be included.

TE-520 Educational Media — 3 credits
This course will acquaint the elementary classroom teacher with the latest educational media available for use. Evaluation of the materials in a media center will be studied. Emphasis upon the use of a curriculum resource center in the local school system will be made.

TE-521 Elementary Physical Education Activities — 3 credits
Methods and techniques for classroom and playground activities for physical education curriculum development will be presented. Emphasis upon corrective physical education procedures will be given.

TE-522 Individualization of Reading Instruction — 3 credits
Emphasis upon the individualized approach to reading education.

Open Courses (Choose 6 Credits)
Six semester hours of credit will be open for selection in any area of the college course offerings that will enable the candidate to strengthen his potential in elementary instruction. The candidate, in cooperation with his graduate committee, will choose courses from education or from the academic subject matter areas which will meet his individual needs as a teacher. A special topics or practicum experience may be arranged in this six semester hour open block of credits. It is the desire of the school of Education to make this area so flexible that the needs of each individual candidate for the graduate degree can be adequately met.

MASTER OF ARTS IN ELEMENTARY EDUCATION FOR READING SPECIALIST

The candidate who is interested in pursuing a Master of Arts Degree in Elementary Education with the intent to become a specialist in Reading Education will be required to complete the following program in addition to the 9 semester hours in the Elementary Education Core.

REQUIRED READING COURSES

TE-501 Advanced Practices and Principles in Teaching Reading — 3 credits
The total reading process is stressed. Areas such as readiness, grouping, methodologies, new approaches to reading, dictionary skills, word attack skills and comprehension skills are emphasized. Procedures of testing both standardized and informal are discussed.

TE-502 Diagnosis of Reading Problems (Directed Experiences in the Reading Center) — 3 credits
The role of the special reading teacher and his type of screening devices is developed. Various standardized and informal reading tests are put into practice by working with a child in the Reading Center. A case study culminates the course. Prerequisite: TE 501.

TE-503 Remediation of Reading Problems (Directed Experiences in the Reading Center) — 3 credits
Remediation approaches and techniques for disabled readers is emphasized. Training is fostered by tutoring a child under supervision in the Reading Center. Prerequisite: TE 502.

TE-504 Seminar in Reading Education — 3 credits
The significant research concerning all phases of reading is abstracted and discussed in small group settings. Instruction in Reading research in reading is developed and is brought into focus by the scholar’s conducting his own reading research project. Prerequisite: TE 503.

In addition to the above requirements, the candidates, with the guidance and approval of his Reading Education Center advisor, is required to complete 9 semester hours of electives from the total graduate offerings.
PART VI

school of health sciences

Dean: Victor H. Duke, Ph.D.

INTRODUCTION

DENTAL ASSISTANT PROGRAM
ENVIRONMENTAL HEALTH PROGRAM
INHALATION THERAPY PROGRAM
LICENSED PRACTICAL NURSING PROGRAM
MEDICAL RECORD TECHNICIAN PROGRAM
MEDICAL SECRETARY PROGRAM
MEDICAL TECHNOLOGY PROGRAM
PRE-DENTAL PRE-MEDICAL PROGRAM
PRE-DENTAL HYGIENE PROGRAM
RADIOLOGIC TECHNOLOGY PROGRAM
REGISTERED NURSING PROGRAM
INTRODUCTION

The tentative objective of the School of Health Sciences is to coordinate existing health occupational fields and to foster a meaningful community relationship with physicians, hospitals, and other allied professions. In addition, the School of Health Sciences will be responsible for the coordination and representation within professional health oriented organizations, such as the American Medical Association, American Association of Medical Colleges, Association of Schools of Allied Health, American Nurses Association, National League of Nursing, and others. It should be noted that some of the health occupational fields listed are housed and maintained in other schools comprising the college complex.

REQUIREMENTS FOR
ENVIRONMENTAL HEALTH MAJOR

A. General Requirements (8 credits)
   English Composition ........................................ 6
   Physical Education Activities ........................... 2

B. Area I Requirements (12 credits)
   Electives ..................................................... 12

C. Area II Requirements (12 credits)
   Psychology ..................................................... 3
   Sociology ....................................................... 3
   Electives ....................................................... 6

D. Science Requirements (69 credits)
   General Chemistry ........................................... 10
   Elementary Organic Chemistry ............................ 10
   Math 115 and Math 116 ..................................... 10
   General Physics ............................................... 8
   Advanced General Biology ................................ 10
   General Bacteriology ....................................... 5
   Entomology ..................................................... 4
   Pathogenic Bacteriology ................................... 4
   Food Microbiology .......................................... 4
   Bioecology ...................................................... 4
   Mammalian Physiology ....................................... 4

E. Public Health Requirements (19 credits)
   Environmental Sanitation .................................... 6
   Public Health Field Training .................................. 8
   Public Health Administration ................................ 2
   Man and His Environment .................................... 3

F. Electives (15 credits)
   Suggested Electives
   Principles of Data Processing
   Principles of Economics
   Speech
   State and Local Government
   Federal Government
   General Parasitology

For suggested program and course offerings see page 50 in the catalog.

DENTAL ASSISTANT

A one-year terminal vocational technical education program which, when completed, qualifies the student to take the Dental Assistant Certification Examination and be employed in a dental office or clinic.

<table>
<thead>
<tr>
<th>Course</th>
<th>1st SEM.</th>
<th>2nd SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental Laboratory</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Communication Skills</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Dental Theory</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Job Psychology and Ethics</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Credit and Collections</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Fundamentals of Speech</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Personal and Public Health</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

16     16

For course descriptions see page 159 in the catalog.

ENVIRONMENTAL HEALTH

The environmental health scientist is concerned with the study and determination of the effects of environmental factors, singly and in the aggregate, upon the health of man. The need for such a program is evident when one considers the increasing demand for trained personnel in such areas as environmental pollution prevention, food inspection, and teaching. Environmental Health experts are employed by Federal, State, and Local agencies, private industry, and teaching institutions. Currently, there are vacancies at all levels in Idaho and surrounding states.
5. Graduates will qualify for taking the National Written and Oral exams for Registry.

INHALATION THERAPY ARTS CURRICULUM

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-101 Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>E-101 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>PE PE Activity</td>
<td>1</td>
</tr>
<tr>
<td>IT-101 Inhalation Therapy Basic Science</td>
<td>2</td>
</tr>
<tr>
<td>B-205 Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>2</td>
</tr>
</tbody>
</table>

SECOND SEMESTER

<table>
<thead>
<tr>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
</tr>
</tbody>
</table>

SUMMER SESSION

| IT-180 Clinical Experience | 6       |

SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT-201 Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>IT-251 Resuscitation &amp; Long-Term Ventilation</td>
<td>2</td>
</tr>
<tr>
<td>IT-151 Ethics &amp; Administration</td>
<td>2</td>
</tr>
<tr>
<td>IT-160 Ventilation Theory &amp; Equipment</td>
<td>1</td>
</tr>
<tr>
<td>IT-261 Clinical Application</td>
<td>4</td>
</tr>
<tr>
<td>IT-281 Clinical Experience</td>
<td>1</td>
</tr>
</tbody>
</table>

SECOND SEMESTER

<table>
<thead>
<tr>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
</tr>
</tbody>
</table>

LICENSED PRACTICAL NURSING

A one-year program consisting of 600 hours of theory and 1200 hours of clinical training at St. Luke's Hospital. Upon completion of the program, the students take the state licensing examination, which, when passed, qualifies them as Licensed Practical Nurses. For details see page 159 of the catalog.
MEDICAL RECORD TECHNICIAN
PROGRAM

This course of study has been planned in accordance with the stated requirements of the American Medical Record Association. The two-year program is "open-end" so that the student may utilize the earned credits for future matriculation in a four-year program for Medical Record Administrators. The curriculum was formulated by a committee made up of Medical Record Administrators, Physicians, Nurses, and representatives of the Idaho Foundation for Medicine and Biology, WICHE, the Regional Medical Programs, local hospitals, Idaho Hospital Association, and Boise State College.

Upon successful completion of the course, the student is eligible to take the National Examination for Accreditation of Medical Record Technicians. Those who receive a passing grade in this test are called Accredited Record Technicians and will be employed in hospitals, nursing homes, insurance agencies, research institutions, medical offices — any place where health records are used.

**Curriculum**

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Terminology MR 101</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Medical Record Science MR 110, 111</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Concepts of Biology B 100</td>
<td>4</td>
<td>—</td>
</tr>
<tr>
<td>Human Physiology and Anatomy Z 107</td>
<td>—</td>
<td>5</td>
</tr>
<tr>
<td>Intermediate Typing OA 107</td>
<td>2</td>
<td>—</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Principles of Data Processing DP 101</td>
<td>2</td>
<td>—</td>
</tr>
<tr>
<td>General Psychology P 101, or Introduction to Sociology SO 101</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td>Fundamentals of Speech - Communication CM 111</td>
<td>—</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

**Summer Session**

Medical Record Science - Directed Practice MR 160, 4 credits

**SOPHOMORE YEAR**

| Advanced Medical Record Science MR 210, 221 | 5 | 5 |
| Health Institute Management MR 221 | 3 | — |
| English Composition E 101, 102 | 3 | 3 |
| History HY 101 or HY 151 | 3 | — |
| Medical Legal Concepts MR 104 | 2 | — |
| Business Math/Machines OA 115 | 3 | — |
| Elective (if needed) | 2 or 3 |
| **Total Credits** | 14 | 15 or 16 |

MEDICAL TECHNOLOGY
Bachelor of Science Program

There is a definite demand for Registered Medical Technologists in hospitals, clinics, physicians' offices, medical schools and research laboratories. There is now a four-year curriculum which consists of three years of college training during which period 96 semester hours of study are completed. The fourth year, the student is eligible to take the examination for registration as a Medical Technologist and receive the Bachelor of Science degree.

**CREDITS**

1. Six hours of English Composition .................................................. 6
2. Completion of the basic core requirements:
   A. Humanities Group 1 ................................................................. 12
   B. Social Sciences Group 2 ......................................................... 12
3. Laboratory Sciences and Mathematics:
   A. Required Courses: ..................................................................... 43-45
      1. One-year sequence in each of the following:
        General Chemistry ................................................................. 10
        Advanced General Biology .................................................... 10
        Organic Chemistry .............................................................. 6
      2. One semester of:
        Freshman Mathematics ........................................................... 5
        Bacteriology ........................................................................... 5
        Analytical Chemistry or Biochemistry .................................... 4 or 5
        Mammalian Physiology ......................................................... 4
   B. Electives to be selected from the following: 19-20
      Biology or Zoology (select at least two courses from the following):
      Comparative Anatomy ............................................................. 4
      Vertebrate Embryology ............................................................ 4
      Vertebrate Histology ............................................................... 4
      Cytology .................................................................................... 4
      Microtechnique ......................................................................... 3
      General Genetics ....................................................................... 3-4
      Parasitology ............................................................................... 3
      Intro to Biophysics .................................................................. 1
      Area I and II ............................................................................. 32
4. One year of clinical training ................................................................. 32

Senior year to be spent in clinical training in St. Luke's Hospital or St. Alphonsus Hospital, Boise, Idaho, or other hospitals with approved clinical training facilities. The equivalent of 32 credit hours is earned in clinical training which includes the above courses and their semester credit equivalents.

For suggested program see page 51 of the catalog.
MEDICAL SECRETARY

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>Course</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Business Mathematics/Machines</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Human Physiology and Anatomy</td>
<td>—</td>
<td>5</td>
</tr>
<tr>
<td>Beginning and Intermediate Typing</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Beginning and Intermediate Shorthand</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Business English</td>
<td>3</td>
<td>—</td>
</tr>
<tr>
<td>Elective</td>
<td>—</td>
<td>2</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>16</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

SOPHOMORE YEAR:

- Applied or General Psychology: 3
- Medical Terminology: 3
- Advanced Shorthand: 4
- Secretarial Writing: 2
- Introduction to Business: 3
- Records Preparation and Management: 3
- Principles of Accounting: 3
- Advanced Typewriting: 2
- Production Typewriting: 2
- Elective: 3
- Administrative Office Procedures: 3

For course descriptions see page 108 of the catalog.

PRE-DENTAL HYGIENE

This curriculum is designed for women students interested in a professional career in dental hygiene. This particular program is designed for students planning to enroll in the dental hygiene program as sophomores or junior students at Idaho State University. The dental hygiene curriculum leads to either a Bachelor of Science or Bachelor of Arts Degree in Dental Hygiene. Those students who plan to enroll at schools other than Idaho State University are advised to pattern their pre-dental hygiene curriculum after that of the specific school to which they expect to transfer.

The Bachelor's Degree in dental hygiene qualifies the graduate for specialized services in public health, school health, administration and education of dental hygienists, as well as training and licensing to give important dental services under the supervision of a dentist.

For course descriptions see page 52 of the catalog for cross listing.
RADIOLOGIC TECHNOLOGY

St. Luke’s Hospital, in conjunction with Boise State College, offers a twenty-four month radiologic technology program. Two weeks vacation is offered each summer, plus ten working days sick leave each year. Both the college and the hospital offer classes in theory, while the hospital provides the clinical experience for laboratory practice.

Admission to the program is based on high school and college transcripts if the applicant has attended the latter, three letters of reference from other than relatives, and the aptitude test S-80 given by the Employment Security Agency by appointment. A personal interview by appointment with the Educational Coordinator and the Director of the Department of Radiology at St. Luke’s Hospital is also required.

The student pays all of his expenses at the college, including books, tuition, etc. Upon completion of the program the hospital refunds the amount of the college tuition to the student. The student is also requested to purchase approximately one-hundred dollars worth of books for use at the hospital. Students furnish their own uniforms and appropriate white shoes. In lieu of board and room the student receives a stipend of sixty dollars a month for the first year and seventy-five dollars a month the second year. He also receives Blue Cross benefits from the hospital. The program is approved under the G.I. Bill.

Students are also requested to participate in the Southwestern Society of Radiologic Technologists. The fee for this is one dollar and fifty cents per year.

Upon completion of the prescribed curriculum the student will receive a certificate from St. Luke’s Hospital, which will qualify the student for writing the examination to become a Registered Technologist.

Post-graduate courses are offered to the Registered Technologist under the supervision of MSTI in the specialized field of Radiation Therapy.

Students spend approximately 3500 hours in clinical practice working with patients under the supervision of a Registered Technologist or Radiologist in a hospital environment. This includes experience in the subjects listed above, including pediatric radiography, fluoroscopy, film critique, and emergency call, where they learn procedures pertinent to the handling of accident patients.

Students are accepted for enrollment in this program only through the Department of Radiology at the hospital.

RADIOLOGIC TECHNOLOGY CURRICULUM

FIRST YEAR-FIRST SEMESTER
Anatomy and Physiology ........................................... 5
Psychology 101 .......................................................... 3
Medical Terminology ................................................... 3
.......................................................... 11
Theory Clock Hours
Orientation and Elementary Radiation and Protection
and Professional Ethics ............................................. 10
Darkroom Chemistry and Techniques ............................ 10
Principles of Radiographic Exposure I .......................... 24
Radiographic Positioning-Basic .................................. 20
Film Critique I .......................................................... 20
Nursing Procedures Pertinent to Radiology ..................... 8
.......................................................... 92

FIRST YEAR-SECOND SEMESTER
Foundations of Physical Sciences 110 ............................ 4
First Aid ........................................................................ 3
.......................................................... 7
Theory Clock Hours
Principles of Radiographic Exposure II .......................... 30
Radiographic Positioning-Intermediate ......................... 15
Common Radiographic Procedures using
Contract Media ......................................................... 8
The Technologist in Surgery ....................................... 6
Film Critique II .......................................................... 20
Radiographic and Topographic Anatomy I ...................... 20
.......................................................... 99

SUMMER SESSION-FIRST YEAR
First Semester Session
Radiological Physics 103 ............................................. 2

Second Semester Session
Radiological Physics 104 ............................................. 2

SECOND YEAR-FIRST SEMESTER
Theory Clock Hours
Film Critique III ......................................................... 20
Medical Office Procedures .......................................... 4
Radiographic Positioning-Advanced ............................ 22
Special Radiographic Procedures I ............................... 20
Equipment Maintenance ............................................. 2
Advanced Protection .................................................. 8
Radiographic and Topographic Anatomy II ..................... 20
.......................................................... 96

SECOND YEAR-SECOND SEMESTER
Theory Clock Hours
Film Critique IV .......................................................... 20
Special Radiographic Procedures II .............................. 20
Radiographic Positioning-Review ................................ 22
Radiological Safety Monitoring ................................... 15
Radiation Therapy ...................................................... 10
Medical Use of Radioisotopes ...................................... 2
Vascular Radiography ................................................ 20
A Survey of Medical and Surgical Diseases ..................... 4
Registry Review ........................................................ 10
.......................................................... 123

135
Boise State College offers a two-year associate degree program in nursing. The entire program is collegiate in nature with Boise hospitals and health facilities cooperating by providing clinical experience areas for laboratory practice in general nursing. All classes and hospital experiences are under the supervision of qualified college instructors. The program is accredited by the Idaho State Board of Nursing, the Northwest Association of Secondary and Higher Schools and the National League for Nursing.

Philosophy

Believing that nurses can best be educated in a college environment, Boise State College, Department of Nursing operates within the philosophy of the total college. Students enrolled in nursing work and socialize with people majoring in various fields of study. The school provides the opportunity for each student to promote his own abilities within the nursing program. Each student is counseled upon application and throughout the program in relation to his educational goals and academic ability.

The nursing curriculum is in a combination college-hospital setting, including classes in liberal arts as well as nursing classes with supervised experience in medical, surgical, obstetrical, pediatric, and psychiatric nursing. The purpose of this curriculum is to enable the student to cultivate his personal educational interests within the subject area.

The school assists each student to develop into a productive citizen of the community with the abilities, understanding and attitudes to function as a technical nurse. We define a technical nurse as one who understands scientifically founded nursing knowledge and applies it in giving nursing care.

The graduate is granted an Associate of Science degree and is eligible to be licensed as a registered nurse.

Objectives: The Graduate:

1. Recognizes basic human needs and formulates ways of meeting them.
2. Recognizes deviations from basic health and intervenes to promote optimum health.
3. Demonstrates effective decisions in the practice of nursing.
4. Uses basic knowledge and concepts for developing skills underlying nursing care.
5. Communicates for the purpose of promoting progress in the patient’s health care.
6. Demonstrates sensitivities and abilities for good interpersonal relations.
7. Is acquainted with community health problems and resources.
8. Shows insight concerning his own feelings and behavior.
9. Recognizes his role as a technical nurse on the health team.

Admission:

Admission to the program is based upon general college entrance requirements; former academic achievement; achievement on the American College Testing Program; personality and physical health without regard to age, sex, marital status, race or religion.

Steps to Admission:

2. Complete application for admission in the Registrar’s office. Include transcripts from all colleges attended as well as high school.
3. Take A.C.T. program of tests.
4. Have a physical examination including chest x-ray.
5. Receive a letter from the Department of Nursing indicating that you have been accepted for admission.
6. Purchase uniforms (approximately $75.00) including white leather nurses shoes.

Promotion and Graduation:

1. Students must make reasonable progress toward a G.P.A. of 2.0 during the first year in the nursing curriculum. Usually a G.P.A. below 1.8 during the first semester and 2.0 during the second semester will disqualify a student from continuing the next term of the nursing curriculum. Any student with a G.P.A. below a 2.0 will be on probation.
2. Nursing students obtaining a “D” or “F” in their major (nursing) must repeat the course and raise the grade to “C” or above before continuing the nursing curriculum.
3. A grade of “D” in any formal clinical evaluation period (nursing lab.) by a given clinical instructor will automatically place a student on probation.
4. Two grades of “D” or one “F” in clinical evaluation is considered adequate reason for dismissal from the program. When this situation occurs, it will be reviewed by the nursing faculty for final action.
5. Any student whose average grade is “F” in theory or laboratory at the end of the semester automatically receives an “F” for the course.
6. Students entering the fall term of the last year in the nursing curriculum must have a 2.0 G.P.A.
7. Students with a cumulative G.P.A. of 2.0 and no grade below a “C” in their major qualify for graduation.
8. Graduates will qualify for writing the licensing examination to become a Registered Nurse.
SCHOOL OF HEALTH SCIENCES
Courses - IT

NURSING CURRICULUM

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Anatomy and Physiology</td>
<td>1</td>
<td>5 or 5</td>
</tr>
<tr>
<td>Physical Education Activities</td>
<td>1</td>
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<tr>
<td>Maternal and Child Health</td>
<td>3</td>
<td>5</td>
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<tr>
<td>Home Economics (Nutrition)</td>
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<tr>
<td>*Foundations of Physical Science</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Psychology</td>
<td>4</td>
<td>3</td>
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<tr>
<td>English Composition</td>
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</tbody>
</table>

SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>Physical Education Activities</td>
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<td>2</td>
</tr>
<tr>
<td>Nursing Seminar</td>
<td>2</td>
<td>3</td>
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<tr>
<td>*Introduction to Deviations from Basic Health</td>
<td>9</td>
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<tr>
<td>*Deviations from Basic Health</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>*Microbiology</td>
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<td>3</td>
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<tr>
<td>*Sociology</td>
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<tr>
<td>*Humanities Elective</td>
<td>3</td>
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</tbody>
</table>

16-17 16-17

*Core Courses. The core courses of each semester must be completed before proceeding to the next semester.
**Music, Art, Drama, Literature, Communication Arts, Foreign Languages.

Course Offerings

IT—INHALATION THERAPY

101-102 Inhalation Therapy Basic Sciences — 2 credits
This course is designed to augment basic principles presented in Chemistry, Physics, and Anatomy, and introduce basic concepts and theory of Inhalation Therapy. Special emphasis on Pulmonary Physiology will be given. Each semester.

151 Ethics and Administration Introduction to Equipment — 2 credits
This course is designed to be a study of principles that will be of assistance in the understanding of inter-personal relations on the job. Emphasis is directed toward patient management. An introduction in the operation and maintenance of basic inhalation therapy equipment. First semester.

160 Ventilation Theory and Equipment — 2 credits
This course provides knowledge in the control and assistance of respiratory processes and the various modes of therapy administration. This course will also present an understanding of these processes and their therapy, both in theory and in practical terms. Prerequisite: IT 101-102. Second semester.

180 Clinical Experience — 6 credits
A course designed to give opportunity to apply knowledge gained in the courses ascribed to the clinical disorders. Supervision of the student-patient contacts by an inhalation therapist is constant, in classes of no more than five students for one teacher. The student is encouraged to develop a rather complete concept of disease process including etiology, pathological changes, signs and symptoms, general and specific treatment, prophylaxis, and prognosis. One hour lecture daily and 35 hours laboratory per week for the 5-week summer session. Prerequisite: IT 101-102. Summer session.

201 Inhalation Therapy Pharmacology — 2 credits
A course designed to provide a sound understanding of the drugs used in inhalation therapy. Prerequisite: IT 101-102. First semester.

221 Inhalation Therapy Pathology — 2 credits
A course designed to provide a sound understanding of pathology with special emphasis on the pulmonary and circulatory system. Prerequisite: IT 180. First semester.

231 Airway Management and Spirometry — 2 credits
This course is designed to introduce techniques necessary to measure and evaluate the functional efficiency of the respiratory process and assess a patient's status and progress. Prerequisite: IT 160. First semester.

242 Inhalation Therapy Bacteriology — 2 credits
A course designed to provide sound understanding of Bacteriology with special emphasis on the pulmonary and circulatory systems. Prerequisite: B-205. Second semester.

251 Resuscitation and Long Term Ventilation — 2 credits
A course designed to provide an understanding of the techniques employed in re-establishing and supporting vital life processes. The course includes a study of long term intermittent positive pressure breathing and various methods of resuscitation. Prerequisite: IT 231. First semester.

256 Humidification and Aerosols — 2 credits
The course is designed to present knowledge and necessary skills for administering and maintaining aerosol therapy. There are numerous methods available for humidifying the administered gas and because of their complexity a single course is warranted. Also considered are the physiological effects of humidification and its therapeutic effect. Prerequisite: IT 160. Second semester.

261-262 Clinical Application — 1-2 credits
A course designed to help the student recognize specific application of techniques to patients. Emphasis on the gases and their therapeutic values will be given. Prerequisite: IT 261 and 281. Each semester.

281-282 Clinical Experience — 4 credits
A sequence of courses designed to give opportunity to apply knowledge gained in the courses described to the clinical disorders. Supervision of the student-patient contacts by an inhalation therapist is constant, in classes of no more than five students for one teacher. The student is encouraged to develop a rather complete concept of disease process including etiology, pathological changes, signs and symptoms, general and specific treatment, prophylaxis, and prognosis. Prerequisite: IT 180. Each semester.
SCHOOL OF HEALTH SCIENCES
Courses - MR, RN

MR—MEDICAL RECORD TECHNICIAN

101 Medical Terminology — 3 credits
An introduction to Greek and Latin prefixes, roots, and suffixes used in medical terminology, as well as the study of anatomical, physiological, and pathological terms according to systems of the body. Both semesters.

104 Medical Legal Concepts — 2 credits
A study of the principles of law and ethics as applied to medical record practice. Second semester.

110-111 Medical Record Science — 4 credits
Orientation to Medical Record profession, including its history and progress. Students will learn how to analyze a medical record, check it for completion, code and index according to disease and operation. Planned laboratory experiences will provide practice in these procedures as well as in statistics, filing systems and medical transcription. First year.

160 Medical Record Science Directed Practice — 4 credits
Each student spends 150 hours in a Medical Record Department doing the daily procedures, under the immediate supervision of the hospital personnel. This experience provides the opportunity to put into practice the theories learned during the first year of Medical Record Science. Prerequisite: MR-110,111.

210-211 Advanced Medical Record Science — 5 credits
More detailed coding and indexing of medical records, outpatient department records, Medicare, cancer registry, and methods of record keeping in nursing homes or extended care facilities. Provides 12 hours per week of directed practice. Prerequisite: MR 110,111. Second year.

221 Health Institute Management — 3 credits
Introduction to the organizational, management, administrative, social and economic aspects of major health institutions. Particular emphasis is placed on hospital accreditation standards and interdepartmental relationships. Prerequisite: MR 110,111. Second semester.

RN—REGISTERED NURSING

111 Basic Health Needs — 5 credits
Presents the basic human needs, mental and physical, for normal health as applied to people in the community and hospital. The student is given the opportunity of providing and evaluating the basic health needs of hospitalized people. Two lectures and three laboratory periods per week. First semester.

112 Maternal and Child Health — 6 credits
Presents basic health needs of the family during the reproductive cycle. Methods of nursing care to make childbirth physically safe and emotionally satisfying to the family are taught. The characteristic tasks of the well child from birth through adolescence are included in the course. Four lectures and two laboratory periods per week. Prerequisite: Basic Health Needs RN-111. Second semester.

220 Introduction to Deviations from Basic Health — 9 credits
Deviations from health are presented in relation to concepts of basic human needs. Emphasis will be placed on the concepts of mental health, oxygen and activity. The application will be to the ill patient of all ages from infancy through adulthood. Five lectures and four laboratory periods per week. Prerequisite: Core courses of the first year curriculum in nursing. First semester.

221 Deviations from Basic Health — 8 credits
Deviations from health continue to be presented in relation to concepts of basic human needs. Emphasis will be placed on the concepts of nutrition, elimination, safety and comfort. Four lectures and four laboratory periods per week. Prerequisite: Introduction to Deviations from Basic Health RN-220. Second semester.

225 Nursing Seminar — 2 credits
Discussion of problems relating to the role of the graduate as a registered nurse. Two lectures per week. Second semester.
PART VII

graduate school

Dean: Giles Maloof, Ph.D.

GENERAL INFORMATION FOR GRADUATE STUDENTS

Application for Admission
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GRADUATE LEVEL COURSE OFFERINGS

School of Arts and Sciences
School of Business
School of Education
GRADUATE SCHOOL

DEAN: GILES WILSON MALOOF, Ph.D.

THE GRADUATE FACULTY

Ordinarily, the Graduate Faculty are also members of the faculty of a department in one of the other schools—Arts and Sciences, Business, or Education. As such, they are listed elsewhere in the catalog by their departmental affiliation. In the following listing the total numbers are listed by rank.

GRADUATE FACULTY

Professors ................. 18
Associate Professors ........ 34
Assistant Professors ........ 52
Associate Graduate Faculty .... 4

Programs

Boise State College offers the graduate degrees of Master of Business Administration (MBA) and Master of Arts in Elementary Education (MA). Three curricula are available for students working toward the MA. These are as follows:

- MA in Elementary Education with
  - I) Curriculum in Education
  - II) Curriculum in Reading Education
  - III) Curriculum in Education—Core Enriched

General Information for Graduate Students

Application for Admission

Application for admission to the graduate programs in Elementary Education and Business Administration 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 first enrollment, the Admissions Office will have received the application for admission and transcripts of all undergraduate and graduate work. This will provide sufficient time to process the application prior to the semester the applicant wishes to commence his graduate study. Petitions for exceptions will be directed to the Graduate Dean. The transcripts are to be sent directly to the Boise State College 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 College in conjunction with such applications for admission become the property of Boise State College. Under no circumstances will they be duplicated, and the original returned to the applicant or forwarded to any agency or other college or university.

Special Status Classification (for students not requesting admittance to the Graduate School)

Persons who feel qualified to profit from graduate courses may enroll in these under “Special Status” provided all of the following conditions are met:

1. There is space available in the class.
2. The instructor, after counseling the applicant, is satisfied that he can profit from the course.
3. The student signs a waiver form which states that he understands that he has not been admitted to graduate school; that there is no commitment to accept his special status credits toward a degree, if he should be admitted.

General Admissions Criteria

A student may be admitted to the Graduate School at Boise State College when the following admissions criteria have been met:

1. The applicant has earned a Bachelor’s degree from an accredited institution, or furnishes proof of equivalent education.
2. The applicant has maintained a grade point average of 3.00 the last two years of undergraduate study, or has earned an overall grade point average of 2.75.
3. Completion of the predictive examination required by the department as listed under departmental criteria.
4. Recommendation for admission by the department in which the student expects to work and approval by the Graduate School.

Graduate Program Classifications (for students requesting admittance to the Graduate School)

Applicants may be admitted to the Graduate School under three classifications.

Regular Status: The student has been admitted with full graduate status into a graduate degree program and has received official institutional notification to this effect.

Provisional Status: An applicant may be admitted to the Graduate School with provisional status if the department or academic unit in which he plans to study 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 (12) credits of approved study.

Unclassified Status: An applicant whose academic
GRADUATE SCHOOL

record indicates that he is qualified to study on the graduate level, but who is not pursuing a graduate degree program, may be admitted to the Graduate School in an unclassified status. Credit for such work must be approved by the department or academic unit concerned, after a review of the proposed program of study has been made. This status is intended for students seeking an additional bachelors degree or some definite educational objective related to but distinct from the MBA or MA degrees.

Graduate Courses for Undergraduate Credit

Boise State College "seniors" may take up to two 500 level courses for upper division credit applied to their bachelors degree program. The necessary permit forms are available through the Admissions Office and the office of each dean. Determination of what constitutes a "senior" for the purposes of this policy is left to the graduate dean.

Graduate Credit for Seniors

A Boise State College 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 Admissions Office, and the office of each dean.

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 of "B" (3.00) or better in all work, exclusive of deficiencies, specifically included in his program of study. No grade below "B" may be used for any 300 or 400 level courses in a graduate program. Grades below "C" cannot be used to meet the requirements of a graduate degree. Grades on transfer work will not be included in computing grade point average.

Repeat, Retake Policy

A student who earns a grade of "D" in a graded 500 series course at Boise State College may include no more than one repeated course toward a master's degree program. A sequence graded as a single unit (like TE-570, 571, 572) will be counted as one course, one repeat, for the purposes of this policy. A student who earns a grade of "F" may not count a retaken course toward any master's degree program at Boise State College.

This rule implies that a student who gets an "F" in a required core course—(TE-570, 571, 572 or MB 510, MB 511, MB 512, MB 513) is automatically excluded from further master's degree work in whichever program he was in. With a "D" in one of these courses there is a single chance of redemption.

Credit Requirements

A minimum of thirty (30) semester credits of course work approved by the graduate student's supervisory committee is required. More than thirty (30) semester credits may be required in certain programs.

Supervisory Committee Assignment

Upon admission of the applicant with regular graduate status, a supervisory committee, consisting of a chairman and other faculty members, will be appointed by the department fielding the program. This supervisory committee will establish with the student a program of study, direct any thesis or graduate projects, and administer his final examination(s).

Students admitted with provisional status will be assigned a temporary advisor who will be responsible for building a tentative program of studies. This advisor will guide the student with respect to meeting the stipulations of the provisional admission. Once the provisional stipulations have been satisfactorily met by the student, the department concerned will recommend to the Dean of the Graduate School that the student be admitted with regular graduate status.

Residence Requirements

A minimum of twenty-one (21) semester credits of approved graduate work taken on the college campus is required.

Transfer of Credits

A maximum of nine (9) semester graduate credits taken at other institutions may be transferred for credit toward a Master's Degree provided the courses are an acceptable part of the program of study planned by the student's supervisory committee. Such courses must have been taken in an accredited college or university. Only courses with "A" or "B" grade may be transferred to Boise State College for application to a graduate degree. In general, the transfer of extension credits is discouraged. Exception may be made by departments after a detailed examination of the specific courses taken. No correspondence courses will be accepted for graduate credit. All appropriate graduate work taken through the Cooperative Graduate Center can be accepted as residence credit.

Time Limitations

All of the work offered toward a Master's Degree Program must be completed within six (6) consecutive years from the time the student was admitted with regular status.

Foreign Language Requirements

Language requirements are determined by the
department concerned. If a foreign language is required, the student must demonstrate that he possesses a reading knowledge of a language specified by the department.

Thesis Requirements

The requirement of a thesis or similar project is determined by the department or interdisciplinary unit concerned. The final copy of the thesis must be reviewed by the student's supervisory committee and submitted to the Dean of the Graduate School at least three (3) weeks before commencement.

Candidacy

A student should apply for admission to candidacy and graduation as soon as he has completed twelve (12) hours of graduate work with a grade point average of at least 3.00 in an approved graduate program of study, has removed all listed deficiencies, and has met any specified foreign language requirements.

Candidacy involves specifying—on the appropriate forms—the list of courses and projects which comprise the MBA or MA. This list, properly approved, constitutes the students program. Changes in the planned program after admission to candidacy must be recommended in writing by the student's supervisory committee and be approved by the Dean of the Graduate School. Application forms for admission to candidacy are available from the dean (Business or Education) of the school which fields the student's degree program.

Final Examination Requirements

The requirement of a final examination, written, oral, or both, is optional with the department or interdisciplinary unit which fields the student's program. When the examination is required, it is administered by the unit concerned. The dates for these examinations are set by the Graduate School once each semester and summer session. They are listed in the BSC Bulletin Calendar. A student is not eligible to apply for the final examination until he has been admitted to candidacy.

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 must be conducted at least three weeks before commencement. On a final oral examination in defense of a thesis, 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 (Business or Education) 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 students are not required, at the present time, to take a predictive examination and consequently have no need to make application for taking the predictive examination.

Students wishing to pursue graduate study in Business Administration should contact the Office of the Dean, School of Business, Boise State College, to secure the forms necessary to make application for taking the predictive examination called the ATGSB. Every effort should be made to take the ATGSB as soon as possible because students normally will not be given program status before the ATGSB results are reported. Courses taken before the student is admitted (i.e. "special status" courses) will not necessarily be allowed toward the M.B.A., even if the student is admitted subsequently.
Credit Limitation in Courses Graded Pass or Fail and Independent Study

599—Conference and Workshop
A maximum of three (3) credits earned with a grade of P will be allowed toward the credit requirements for a master's degree at Boise State College.

596—Independent Study
Master's programs at Boise State College may include independent study credits, at the discretion of the graduate student's supervising committee or professor, through a limit of (9) semester hours, with no more than (6) credits in any one semester or session.

Elementary Education with Core Enrichment
This curriculum in Elementary Education with Core Enrichment is essentially the same as the curriculum in Elementary Education. The distinctive feature is that an approved program may be designed for specialization in a given departmental area such as art, humanities, mathematics, music, or science, to name just a few possibilities. Approved programs will include the basic elementary core of nine (9) semester hours and will allow no more than fifteen (15) of the remaining hours to be in any one departmental area. Various departments in The School of Arts and Sciences offer graduate courses designed especially for students in the Elementary Education programs.

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 (due to full-time day employment) may not take more than a total of two such courses in any one semester or summer session. Waiver of this rule will not be granted by the Dean of the Graduate School without the explicit recommendation of the dean of the school responsible for the student's program.

Course Numbering System
Courses numbered 500 and above are intended primarily for graduate students. The number designates the educational level of the typical student in the class—i.e., he has graduated from college.

Other courses than graduate, numbered at the 300 or 400 levels, may be given g or G designation to carry graduate credit. The department or school concerned will have the right to limit the number of g or G credits which can count toward any degree for which it has responsibility, and in no case can more than one-third of the credits in a degree program be in courses at the 300 and 400 level.

A department or school which uses g and G designations will use them to have the following significance:

1. g courses carry graduate credit only for graduate students in majors outside of the area of responsibility of the department or school.

2. G courses carry graduate credit for students both in the department or school, and for other students as well.

APPLICATION FOR GRADUATE DEGREE
The final step in completing a graduate program consists of paying the graduation fee ($15.45) at the College Union Bookstore. This fee includes rental of the cap and gown, the diploma and case, a wallet sized diploma copy and also covers the costs to Boise State of final record checking. To pay the fee, one completes the form entitled Application for Graduate Degree which can be obtained from the Admissions Office or from the Dean of Business or Education or from the Graduate Dean.

College-Wide Graduate Course Numbering:

580-589 Selected Topics
590 Practicum
591 Research
592 Colloquium
593 Thesis
594 Extended Conference or Workshop (Graded A-F)
595 Reading and Conference
596 Independent Study
597 Special Topics
598 Seminar
599 Short-Term Conference or Workshop (Graded Pass or Fail)
## GRADUATE LEVEL COURSE OFFERINGS

### School of Arts and Sciences

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<th>Course Title</th>
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<tbody>
<tr>
<td>AR 521</td>
<td>Teaching Through Experimental Art Media</td>
<td>03</td>
</tr>
<tr>
<td>AR 522</td>
<td>(Summer School Only)</td>
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<tr>
<td>AR 598</td>
<td>Seminar in Art</td>
<td>03</td>
</tr>
<tr>
<td>GO 511</td>
<td>Environmental Geology</td>
<td>03</td>
</tr>
<tr>
<td>GO 521</td>
<td>Advanced Topics in Earth Science for Elementary Teachers</td>
<td>03</td>
</tr>
<tr>
<td>GO 597</td>
<td>Independent Study and Research for Elementary Teachers</td>
<td>1-4</td>
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<tr>
<td>GS 501</td>
<td>General Science for Elementary Teachers—History of Science Since 1500</td>
<td>03</td>
</tr>
<tr>
<td>M 503</td>
<td>Algebraic Systems</td>
<td>03</td>
</tr>
<tr>
<td>M 504</td>
<td>Geometric Concepts</td>
<td>03</td>
</tr>
<tr>
<td>M 561</td>
<td>Mathematics for Operations Research</td>
<td>04</td>
</tr>
<tr>
<td>MU 571</td>
<td>Advanced Practices and Principles in Teaching Music in the Elementary School</td>
<td>03</td>
</tr>
<tr>
<td>MU 572</td>
<td>Listening and Singing Experiences for the Elementary School</td>
<td>03</td>
</tr>
<tr>
<td>PS 501</td>
<td>Basic Physical Science for Elementary Teachers</td>
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### School of Business

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<tr>
<td>MB 513</td>
<td>Business Policy Formulation</td>
<td>03</td>
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<tr>
<td>MB 520</td>
<td>Marketing Problems</td>
<td>03</td>
</tr>
<tr>
<td>MB 530</td>
<td>Financial Management</td>
<td>03</td>
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<tr>
<td>MB 522</td>
<td>Accounting—Planning and Control</td>
<td>03</td>
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<tr>
<td>MB 540</td>
<td>Organization Theory</td>
<td>03</td>
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<td>MB 541</td>
<td>Personnel Policy</td>
<td>03</td>
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<td>MB 542</td>
<td>Computer Applications for Management</td>
<td>03</td>
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<tr>
<td>MB 550</td>
<td>Managerial Economics</td>
<td>03</td>
</tr>
<tr>
<td>MB 580</td>
<td>Selected Topics—Accounting</td>
<td>03</td>
</tr>
<tr>
<td>MB 581</td>
<td>Selected Topics—I Information Systems</td>
<td>03</td>
</tr>
<tr>
<td>MB 582</td>
<td>Selected Topics—Economics</td>
<td>03</td>
</tr>
<tr>
<td>MB 583</td>
<td>Selected Topics—Finance</td>
<td>03</td>
</tr>
<tr>
<td>MB 584</td>
<td>Selected Topics—Industrial Psychology</td>
<td>03</td>
</tr>
<tr>
<td>MB 585</td>
<td>Selected Topics—Management</td>
<td>03</td>
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<tr>
<td>MB 586</td>
<td>Selected Topics—Marketing</td>
<td>03</td>
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<tr>
<td>MB 596</td>
<td>Independent Study Variable</td>
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<tr>
<td>MB 599</td>
<td>Workshop/Conference</td>
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### School of Education

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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>P 501</td>
<td>Counseling and Guidance in the Elementary Classroom</td>
<td>03</td>
</tr>
<tr>
<td>P 502</td>
<td>Advanced Educational Psychology</td>
<td>03</td>
</tr>
<tr>
<td>P 503</td>
<td>Individual Testing Practicum</td>
<td>03</td>
</tr>
<tr>
<td>P 504</td>
<td>Analysis of the Individual</td>
<td>03</td>
</tr>
<tr>
<td>P 505</td>
<td>Personality Development</td>
<td>03</td>
</tr>
<tr>
<td>TE 501</td>
<td>Advanced Practices and Principles in Teaching Reading</td>
<td>03</td>
</tr>
<tr>
<td>TE 502</td>
<td>Diagnosis of Reading Problems (Directed Experiences in the Reading Center)</td>
<td>03</td>
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<tr>
<td>TE 503</td>
<td>Remediation of Reading Problems (Directed Experiences in the Reading Center)</td>
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<tr>
<td>TE 504</td>
<td>Seminar in Reading Education</td>
<td>03</td>
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<tr>
<td>TE 505</td>
<td>Tests and Measurements</td>
<td>03</td>
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<tr>
<td>TE 515</td>
<td>Development of Skills for Teaching Pupils with Learning Difficulties</td>
<td>03</td>
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<tr>
<td>TE 516</td>
<td>Development of Skills for Teaching the Fast Learner</td>
<td>03</td>
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<tr>
<td>TE 517</td>
<td>Development of Skills for Teaching the Mentally Retarded</td>
<td>03</td>
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<tr>
<td>TE 518</td>
<td>Techniques for Creative Writing in Elementary Schools</td>
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<tr>
<td>TE 519</td>
<td>Advanced Children’s Literature</td>
<td>03</td>
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<td>Individualization of Reading Instruction</td>
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<td>TE 510</td>
<td>Advanced Practices and Principles in Teaching School Science</td>
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<td>Advanced Practices and Principles in Teaching Language Arts and Linguistics</td>
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<td>TE 514</td>
<td>Advanced Practices and Principles in Teaching the Humanities</td>
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<td>TE 570</td>
<td>Comprehensive Core for Elementary Education</td>
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<td>TE 598</td>
<td>Seminar in Elementary Education</td>
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PART VIII

vocational technical school

Director: Gilbert McDonald Miller
Assistant Director: Glenn Linder

FACULTY

OBJECTIVES

ADMISSION REQUIREMENTS

VOCATIONAL TWO-YEAR PROGRAMS

TECHNICAL TWO-YEAR PROGRAMS

DISTRIBUTIVE EDUCATION TWO-YEAR PROGRAMS

ONE-YEAR VOCATIONAL-TECHNICAL PROGRAMS
Objectives of Vocational Education

To provide the opportunity for state and local citizens to acquire the education necessary:

(a) To become employed, to succeed, and to progress in a vocational-technical field.

(b) To meet the present and anticipated needs of the local, state, and national economy for vocational-technical employees.

(c) To become contributing members of the social, civic and industrial community.

Curriculum Changes:

Curriculum changes may be made at any time with the approval of the Curriculum Committee to meet the needs of industry.

Admissions Requirements:

Application materials may be obtained from the Director of Admissions Office, Boise State College.

(a) To fully matriculate a student must have on file in the Admissions Office: a completed application, $10 fee, physical exam, GATB test scores and an acceptance by a counselor.

(b) Educational Background: Request a transcript of High School credits and, if applicable, a transcript of College credits be sent by the institution(s) directly to the Director of Admissions.

(c) Aptitude Test: Contact the nearest local office of the Department of Employment or Youth Opportunity Center and request a General Aptitude Test Battery to be taken for the Vocational-Technical Division of Boise State College. Request that the office send the results directly to the Vocational-Technical Division, Boise State College, Boise, Idaho 83707.

(d) Personal Interview: A personal interview is required.

(e) High school graduation is recommended but is not required to enter a vocational or technical program, provided one has been out of high school one complete semester.
HO HORTICULTURE SERVICE TECHNICIAN—CURRICULUM
(Landscape Construction and Maintenance)

The landscape construction and maintenance curriculum has for its objective the preparation of students for employment in the landscape, nursery and florist industries. This includes both the production, sales and service areas of these major fields. The training stresses the design of landscapes, their interpretation and construction including costs, but the production of nursery plants, plant propagation, the design of landscapes, and landscape planting is also covered. Graduates of the horticulture curriculum qualify for positions in nursery and floral establishments as well as in parks, grounds and highway departments. They may also enter the fields associated with plant propagation, nursery sales, greenhouse work and sales in the related fertilizer and insecticide fields. Credits in this course of study are not counted towards an academic degree.

FRESHMAN YEAR:

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HO HORTICULTURE SERVICE TECHNICIAN—Courses

101 Horticulture Laboratory — 5 credits
Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application to include: exploring occupational opportunities; identification of plants by the use of descriptive terms; identification of biennial and perennial flowering plants; use of scientific names; classifications and botanical structures of plants; climatic and other factors limiting growth; soils; and soil amendments. Fifteen clock hours per week.

102 Horticulture Laboratory — 5 credits
Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include methods of plant propagation; construction of growing containers and houses; arrangements and implementation of entire greenhouse operation; the use of insecticides, pesticides, etc., and precautions necessary during use.

111-112 Communication Skills — 3 credits
This course is designed to develop the student's communication skills in observing, listening and reading, with emphasis on study methods, memory and concentration work, vocabulary improvements, and a review of basic English and spelling. Second semester—to develop communication skill in speaking and writing with emphasis on conversational speaking, clarity and brevity in letter, report, and technical writing. Three clock hours per week.

131-132 Related Basic Mathematics — 3 credits
First semester—developing comprehension of the basic principles of mathematics. Specific areas include: addition, subtraction, multiplication, division, fractions, percentage, denominate numbers, square root, mensuration. Second semester—developing comprehension of the principles of related bookkeeping and accounting. Specific areas to be covered to include: income and expense accounts, general journal and ledger, sales and purchases, inventories, payroll, etc. Three clock hours per week.

141-142 Related Basic Science — 2 credits
First semester—developing comprehension of the scientific principles utilized in: (1) plant identification, (2) plant
growth and development, (3) limiting factors, (4) soil and
growth and development, (3) limiting factors, (4) soils.
Second semester—developing comprehension of the scientific
principles utilized in: developments which aid plant
propagation, construction materials, insecticides, pesti-
cides. Two clock hours per week.

151-152 Horticulture — 5 credits
First semester—developing comprehension, analysis,
and evaluation of the following: (1) introduction into the
field of horticulture, (2) plant classifications and growth,
(3) climate and other growth limiting factors, (4) soil and
soil amendments. Second semester—developing compre-
ッション, analysis, and evaluation of the following: plant
propagation (sexual); growing containers; insect and disease
control. Seven clock hours per week.

201 Horticulture Laboratory — 5 credits
Applying the related and theory content to the solution
of practical problems in horticulture. Specific areas of
application include preparing landscape drawings, making
concrete, block, brick, stone and wood structures, growing
greenhouse crops, and basic first aid. 15 clock hours per
week.

202 Horticulture Laboratory — 5 credits
Applying the related and theory content to the solution
of practical problems in horticulture. Specific areas of
application include preparing landscape drawings, making
concrete, block, brick, stone and wood structures, growing
greenhouse crops, and basic first aid. 15 clock hours per
week.

241 Related Science — 2 credits
Developing comprehension of the scientific principles
utilized in: (1) plant growing and; (2) materials of construc-
tion.

242 Related Science — 2 credits
Developing comprehension of the scientific principles
utilized in: (1) power equipment; (2) lawn and shrub main-
tenance; and (3) plant wounds.

251 Horticulture Theory — 5 credits
Developing comprehension, analysis, and evaluation of
the following: (1) various types of construction common
to plant growing, i.e. greenhouses, cold frames, hot beds,
lath houses, propagators, germinators, etc.; (2) materials
of construction, i.e. concrete, mortar, block, brick, stone,
wood, etc.; (3) greenhouse crops; (4) first aid. Seven clock
hours per week.

252 Horticulture Theory — 5 credits
Developing comprehension, analysis and evaluation of
the following: (1) power machines as used in horticulture,
i.e. mowers, tillers, saws, shredders, aerifiers, sod cutters,
pesticide applications, etc.; (2) turf, shrub, and tree manage-
ment procedure; (3) prevention and treatment of plant
wounds. Seven clock hours per week.

262 Industrial Psychology — 2 credits
This course is designed to develop those human rela-
tionship skills the student will need at work. Relationship
situations of office and shop are simulated, enacted, dis-
ussed, and solved practically through group interaction.
Understanding of self and others is sought. Career planning
and techniques necessary to obtain employment are
stressed.

271 Individual Projects — 3 credits
Providing the opportunity for the student to apply all his
prior education in planning, developing and completing a
unique, practical horticulture project.

101,102 Machine Shop Laboratory — 8 credits
The course covers safety, good shop practice, good
work habits, and production rates. The set-up and operation
of the lathes, milling machines, drill presses, shapers, power
saws, grinders, bench work, layout, and the use of special
attachments. Twenty laboratory hours per week each semes-
ter.

111,112 Communication Skills — 3 credits
This course is designed to develop five forms of commu-
nication skills: observing, listening, reading, writing and
speaking. Memory and study improvement, word analysis,
spelling and technical vocabulary are stressed during the
first semester. Grammatical and logical forms, public and
conversational speaking, business, report and technical
writing are stressed during the second semester. Three
clock hours per week.

131, 132 Related Basic Mathematics — 2 credits
A study of fractions, decimals, ratio and preparation,
and use of tables as applied to the machine shop. Also
basic algebra, advanced algebra and geometry as applied
to the machine shop. Three clock hours per week each
semester.

151, 152 Related Theory — 3 credits
This course provides the knowledge necessary for the
machinist student to understand the machining processes
and their appreciation as practiced in the laboratory course.
Safety and good shop policy are emphasized in all phases
of instruction. The set-up, care and maintenance of the
machine tools as well as the theory of measuring tools,
 speeds and feeds, metal cutting, selection of metals, tool
design, coolants, allowance and tolerance, indexing, gear-
ing, and production methods. Blueprint reading and sketch-
ing is also studied. Four lecture hours per week both semes-
ters.
OM OFFICE MACHINE REPAIR
— CURRICULUM

The course and outline in Office Machine Repair has been developed to give the student of the course enough basic knowledge to be productive and able to perform the average job without any additional training. He will be qualified to make maintenance contract inspections, make proper mechanical adjustments and do general shop work. He will also be in a position to receive on-the-job training by his employer to become a highly specialized mechanic. He will be trained in Basic Electronics, testing procedures, and maintenance techniques for manual, electric, and electronic business machines. This is a two-year course and credits are not counted toward an academic degree.

FRESHMAN YEAR:

SUBJECT | COURSE NO. AND TITLE | FALL CREDITS | SPRING CREDITS
--- | --- | --- | ---
OM-101-102 | Office Machine Repair Laboratory | 5 | 5
OM-111-112 | Communication Skills | 3 | 3
OM-131-132 | Related Electronics Mathematics | 3 | 3
OM-143-144 | Related Electronics | 2 | 2
OM-151-152 | Related Basic Theory | 3 | 3

SOPHOMORE YEAR:

SUBJECT | COURSE NO. AND TITLE | FALL CREDITS | SPRING CREDITS
--- | --- | --- | ---
OM-201-202 | Adv. Office Machine Repair Lab | 5 | 5
OM-241-242 | Related Electronics Science | 3 | 2
OM-243-244 | Adv. Digital Electronics | 2 | 2
OM-251-252 | Related Advanced Theory | 3 | 3
OM-262 | Industrial Psychology | 2 | —
MM-101 | Retail Selling | — | 3
OM-271-272 | Basic Machine Operation | 1 | 1

OM OFFICE MACHINE REPAIR — Courses

101-102 Office Machine Repair Laboratory — 5-5 credits
First semester—The student is issued standard typewriters to be completely disassembled and reassembled. All adjustments are taught as well as the proper use of hand tools. Instructions are given on the process of chemical cleaning, oiling, and refinishing of platens. Second semester—The student is issued electric typewriters to be completely disassembled and reassembled. All adjustments are taught regarding the electric features of the machine. Special emphasis is placed on maintenance and cleaning of electric motors and the wiring schematic of the machine. The use of power tools and shop equipment is taught during this semester. 15 clock hours per week.

111-112 Communication Skills — 3-3 credits
This course is designed to develop the student's communication skills in observing, listening and reading, with emphasis on study methods, memory and concentration work, vocabulary improvement, and a review of basic English and spelling. Second semester—to develop communication skill in speaking, and writing with emphasis on conversational speaking, clarity and brevity in letter, report, and technical writing. Three clock hours per week.

131-132 Related Electronic Mathematics — 3-3 credits
Slide rule, algebra, geometry, trigonometry. Second semester—continuation, logarithms. Three clock hours per week.

143-144 Related Electronics — 2-2 credits

151-152 Related Basic Theory — 3-3 credits
Study of mechanical theory of each machine being taught. Regulation factory manuals for office machines are used and the student is taught to read and understand the mechanical drawings, as well as the printed descriptions accompanying them. Five clock hours per week.

201-202 Office Machine Repair Laboratory — 5-5 credits
First semester—the student is issued adding machines to be completely disassembled and reassembled. All adjustments are taught as well as the use of special adding machine tools. Refinishing outside cases and the application of special paints is taught during this semester. Second semester—Each student is issued a calculating machine to be completely disassembled and reassembled. All adjustments are taught. Fifteen clock hours per week. Prerequisite: Office Machine Repair Laboratory OM-102.

241-242 Related Electronics Science — 3-2 credits
Basic physics as it applies to the electronic technician’s needs. This course deals with mechanics, heat, sound, and light. Prerequisite: Electronics Science, OM 143-144. Five clock hours per week.

243-244 Advanced Digital Electronics — 2-2 credits
Binary Concept, Basic Logics, Boolean Algebra, Counters, Adders, Basic Computers. 2 clock hours. Prerequisite: 143-144.

251-252 Related Advanced Theory — 3-3 credits
First semester—Study of mechanical theory of each machine being taught. Regulation factory manuals for adding machines are used. Special emphasis is placed on the mechanical principles which cause the adding machine to add, subtract, repeat, non-add and non-print, carry-over and credit balance. Second semester—Regulation factory manuals for calculating machines are used. The numerous mechanical methods of machine calculations are studied during this semester with special emphasis being placed on positive and negative multiplications, positive and negative division, automatic multiplication, accumulation, squaring and short-cut methods. Five clock hours per week each semester. Prerequisite: Related Basic Theory OM 152.

262 Industrial Psychology — 2 credits
This course is designed to develop those human relationship skills the student will need at work. Relationship situations of office and shop are simulated, enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.

271-272 Basic Machine Operations — 1-1 credits
An introduction is given to the numerous mechanical and mathematical methods used in machine calculations covering basic applied principles. One clock hour per week.

W WELDING — CURRICULUM

The welding curriculum is designed to provide two levels of training. The first year will provide the student with usable skills and should qualify him for employment as a production welder. Some students may desire to terminate their training at this point. The second year of the program will provide advanced training in layout and a better understanding of the properties of metals as well as advanced techniques and processes that are in demand in industry. The course of study may be altered to keep abreast of new welding procedures and advancements in industry.

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<td>W 101-102 Welding Lab</td>
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<td>W 131-132 Related Basic Math</td>
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<td>W 151-152 Welding Theory</td>
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<td>W 262 Industrial Psychology</td>
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<td>W 231-232 Related Advanced Math</td>
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<td>W 241-242 Welding Science</td>
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WELDING — Courses

101-102 Welding Laboratory — 8 credits
This course covers oxyacetylene burning by manual and automatic methods: oxyacetylene welding and brazing; arc welding using mild steel and low alloy steel electrodes in all positions; continuous wire feed welding processes; and submerged arc welding processes. The successful completion of this phase of the program will prepare the student for employment as a production welder or to take the second year of the program. Twenty clock hours per week each semester.

111-112 Communication Skills — 3 credits
This course is designed to develop the student’s communication skill in observing, listening and reading with emphasis on study methods, memory and concentration work, vocabulary improvement, and a review of basic English and spelling. Second semester—to develop communication skill in speaking and writing with emphasis on conversational speaking, clarity and brevity in letter, report, and technical writing. Three clock hours per week each semester.

131-132 Related Basic Mathematics — 3 credits
Basic review of addition, subtraction, multiplication and division of fractions, decimals and mixed numbers with application to basic blueprint reading, layout problems, framing square and weld symbols.

151-152 Welding Theory — 2 credits
This course provides the knowledge necessary for the welding student to understand the welding processes and their appreciation as practiced in the laboratory course. Safety is emphasized in all phases of instruction. The set-up, care and maintenance of oxyacetylene equipment as well as the theory of oxyacetylene burning, welding and brazing is studied. Arc welding equipment and methods are studied with the selection of electrodes for welding of mild and low alloy steels. Continuance feed and submerged arc welding processes are covered. Four hours per week both semesters.

201-202 Advanced Welding Laboratory
Pipe welding in the horizontal and vertical fixed positions. Helioarc and semi-automatic inert gas welding of similar and dissimilar metals and exotic metals. Stress relieving and heat treatment of metals. Twenty clock hours per week each semester. Prerequisite: Welding Laboratory W-102.

231-232 Related Advanced Mathematics — 3 credits
Blueprint reading, layout and design, fitting layout and details. Basic Algebra, Geometry, blueprint reading, layout and design. Three clock hours per week each semester. Prerequisite: Related Basic Mathematics W-132.

241-242 Welding Science — 4 credits
First semester—Study of the basic metallurgy properties of metals and tests to determine their uses: the iron carbon diagram and the part carbon plays in the production of steel. Second semester—Study of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code and procedures. Operators’ qualifications, heat treatment of steels, classification of steels, testing and inspection of welds, behavior and influences of alloys in irons, steels and exotic metals, thermal curves, freeing alloys, structural composition, changes in the solid state and carbon precipitation and its effect on the chrome steels. Weldability of these metals.

262 Industrial Psychology — 2 credits
Methods of understanding self and others. Solution of interpersonal problems in business and industry. Techniques necessary to obtain employment. Responsibilities of the American worker. Two clock hours per week.

TECHNICAL
Two Year Programs

PT PRE-TECHNICAL — SEQUENCE

This is a one-semester pre-technical sequence for those students who lack the recommended prerequisite courses deemed necessary to compete, complete and succeed in a regular vocational-technical curriculum, and is offered as a refresher course for those students who have had an excessive period of time elapse since their last formal schooling.

Welding — Courses

101-102 Welding Laboratory — 8 credits
This course covers oxyacetylene burning by manual and automatic methods: oxyacetylene welding and brazing; arc welding using mild steel and low alloy steel electrodes in all positions; continuous wire feed welding processes; and submerged arc welding processes. The successful completion of this phase of the program will prepare the student for employment as a production welder or to take the second year of the program. Twenty clock hours per week each semester.

111-112 Communication Skills — 3 credits
This course is designed to develop the student’s communication skill in observing, listening and reading with emphasis on study methods, memory and concentration work, vocabulary improvement, and a review of basic English and spelling. Second semester—to develop communication skill in speaking and writing with emphasis on conversational speaking, clarity and brevity in letter, report, and technical writing. Three clock hours per week each semester.

131-132 Related Basic Mathematics — 3 credits
Basic review of addition, subtraction, multiplication and division of fractions, decimals and mixed numbers with application to basic blueprint reading, layout problems, framing square and weld symbols.

151-152 Welding Theory — 2 credits
This course provides the knowledge necessary for the welding student to understand the welding processes and their appreciation as practiced in the laboratory course. Safety is emphasized in all phases of instruction. The set-up, care and maintenance of oxyacetylene equipment as well as the theory of oxyacetylene burning, welding and brazing is studied. Arc welding equipment and methods are studied with the selection of electrodes for welding of mild and low alloy steels. Continuance feed and submerged arc welding processes are covered. Four hours per week both semesters.

201-202 Advanced Welding Laboratory
Pipe welding in the horizontal and vertical fixed positions. Helioarc and semi-automatic inert gas welding of similar and dissimilar metals and exotic metals. Stress relieving and heat treatment of metals. Twenty clock hours per week each semester. Prerequisite: Welding Laboratory W-102.

231-232 Related Advanced Mathematics — 3 credits
Blueprint reading, layout and design, fitting layout and details. Basic Algebra, Geometry, blueprint reading, layout and design. Three clock hours per week each semester. Prerequisite: Related Basic Mathematics W-132.

241-242 Welding Science — 4 credits
First semester—Study of the basic metallurgy properties of metals and tests to determine their uses: the iron carbon diagram and the part carbon plays in the production of steel. Second semester—Study of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code and procedures. Operators’ qualifications, heat treatment of steels, classification of steels, testing and inspection of welds, behavior and influences of alloys in irons, steels and exotic metals, thermal curves, freeing alloys, structural composition, changes in the solid state and carbon precipitation and its effect on the chrome steels. Weldability of these metals.

262 Industrial Psychology — 2 credits
Methods of understanding self and others. Solution of interpersonal problems in business and industry. Techniques necessary to obtain employment. Responsibilities of the American worker. Two clock hours per week.
DT DRAFTING TECHNOLOGY
— CURRICULUM

This curriculum is organized to provide engineering departments, government agencies, consulting engineers and architectural firms with a technician well trained in the necessary basic skills and knowledge of drafting. The student is required to develop and maintain the same standards and techniques used in firms or agencies that employ draftsmen. Credits in this course of study are not counted toward an academic degree. Drafting Technology curriculum is open to both male and female students.

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<td>DT-121 Slide Rule</td>
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<td>DT-122 Surveying of Measurements</td>
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<td>DT-131-132 Mathematics</td>
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<td>DT-231-232 Advanced Mathematics</td>
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<td>DT-241-242 Science</td>
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<td>DT-251 Manufacturing Processes</td>
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<td>DT-252 Introduction to Computer Programming</td>
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<td>DT-261 Special Projects and Reports</td>
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<td>DT-262 Industrial Psychology</td>
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DT DRAFTING TECHNOLOGY — Courses

101-102 Drafting Laboratory and Lecture — 4-4 credits

Fall semester—A period of orientation. Instruction in drafting room procedures, care and use of tools and special instruments. Supervision in the special techniques of producing finished detail and assembly drawings from notes and sketches. Emphasis on good lettering, line technique, and freehand sketching. Spring semester—A continuation of DT-101 with special emphasis placed on machine, architectural, piping, electrical, and structural drafting and design. Fifteen clock hours per week each semester; five hours Lecture and ten hours Laboratory.

111-112 Communication Skills — 3-3 credits

This course is designed to develop five forms of communication skill: observing, listening, reading, writing and speaking. Memory and study improvement, word analysis, spelling and technical vocabulary are stressed during the first semester. Grammatical and logical forms, public and conversational speaking, business, report and technical writing are stressed during the second semester. Three clock hours per week each semester.

121 Slide Rule — 1 credit

Fall semester—Sufficient mathematical proficiency; multiplication and division with application, proportion, principle, squares, square roots, cubes, cube roots and combined operations. Two clock hours per week.

122 Surveying and Measurements — 3 credits

Spring semester—Beginning course designed for students with little or no training in surveying. It combines lectures, laboratory and field work in theory methods, equipment and problems involved in surveying and measurements and their application. Four clock hours per week. Prerequisite: DT-131.

131-132 Mathematics — 3-3 credits

Fall semester—Fundamentals of basic mathematics, algebraic computations, practical plans and solid geometry and their application to problems likely to be encountered by the draftsman. Spring semester—Basic trigonometric functions, right triangles, oblique triangles and vectors. The course is closely integrated with the topics studied in science and drafting. Prerequisite: DT-131. Four clock hours per week.

141-142 Drafting and Design Applied Physics—3-3 credits

Fall semester—A general survey of physics with emphasis placed on principles of mechanics applied to solid particles and to fluids. Spring semester—Course in the basic principles of heat, sound, light, electricity, and magnetism, correlated with technical mathematics DD-132. Four clock hours per week. Prerequisite: DT-141.

151 Design Orientation — 2 credits

Fall semester—A lecture-laboratory course designed to provide an opportunity for the student to apply theory, principles and methods to the solution of problems typical of those to be encountered in practice. Two clock hours per week.

201-202 Advanced Drafting Laboratory and Lecture — 4-4 credits

Advanced techniques in drafting, problems on design level in the various fields served by Drafting and Design Technicians. Fifteen clock hours per week. Five hours lecture and ten hours laboratory. Prerequisite: Drafting Lab and Lecture, DT-102, or consent of the instructor.

221 Descriptive Geometry and Development — 2 credits

Theory and practice of coordinate projection applied to the solution of properties of points, lines, planes and solids, with practical engineering application. Two clock hours per week.

222 Technical Report Writing — 2 credits

A course to provide an understanding and practice in the processes involved in technical writing and methods of preparing reports based on problems related to the student’s curriculum. Two clock hours per week.

231-232 Advanced Mathematics — 3-3 credits

Advanced algebra, trigonometry and analytical geometry and introduction to calculus with emphasis on their application in design situations. Four clock hours per week each semester. Prerequisite: DT-132 Mathematics or consent of instructor.

241-242 Science — 3-3 credits

Fall semester—An introduction to Dynamics which deals with the motion of rigid bodies and with the forces that produce or change their motion. Spring semester—Includes strength and properties of material and basic chemistry. Four clock hours per week each semester. Prerequisite: DT-142 Science or consent of the instructor.

251 Manufacturing Processes — 2 credits

An introductory course to provide training and practice in using precision measuring instruments, tools, and accessories used in modern quality production and inspection. Instruction in the selection and use of machine tools, related equipment, and production methods. Three clock hours per week.
### ET ELECTRONICS — CURRICULUM

The Electronics Technology program provides training for students desiring to enter the field of Electronics, working as team members with engineers in research and development.

Credits in these courses of study are not counted toward an academic degree. The Electronics curricula is open to both men and women students.

<table>
<thead>
<tr>
<th>FRESHMAN YEAR:</th>
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</thead>
<tbody>
<tr>
<td>SUBJECT</td>
<td>COURSE NO. AND TITLE</td>
<td>CREDITS</td>
</tr>
<tr>
<td></td>
<td>ET-101-102 Electronics Lab. and Lecture</td>
<td>5</td>
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<tr>
<td></td>
<td>ET-111-112 Communication Skills</td>
<td>5</td>
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<tr>
<td></td>
<td>ET-131-132 Basic Electronics Math</td>
<td>3</td>
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<tr>
<td></td>
<td>ET-141-142 Electronics Science</td>
<td>3</td>
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<tr>
<td></td>
<td>ET-171-172 Circuit Analysis</td>
<td>3</td>
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<tr>
<th>SOPHOMORE YEAR:</th>
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<tbody>
<tr>
<td>ET-201-202 Advanced Electronics Lab</td>
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<tr>
<td>ET-231-232 Advanced Electronics Math</td>
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<td>3</td>
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<tr>
<td>ET-241-242 Advanced Electronics Science</td>
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<tr>
<td>ET-251-252 Advanced Electronics Theory</td>
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<td>ET-262 Industrial Psychology</td>
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</tbody>
</table>

### ET ELECTRONICS — Courses

#### 101 Electronics Laboratory and Lecture — 5 credits
- Study of basic electricity, color code, test equipment, L.C.R. components, basic vacuum tubes and transistors.
- Logic circuits as applied to data handling equipment. Five hours lecture and ten hours laboratory per week.

#### 252 Introduction to Computer Programming — 2 credits
- This course is designed to give students the general concepts of problem-oriented computer language, including flow charting, coding, and the writing of FORTRAN IV programs. The Boise State College computer facility will be used with the course. Three clock hours per week.

#### 261 Special Projects and Reports — 2 credits
- A general survey of the industrial community and the problems, advances and future developments as pertaining to the drafting technician. The application of the draftsman's ability to analyze and solve problems particular to their chosen field of emphasis. Two clock hours per week.

#### 262 Industrial Psychology — 2 credits
- Methods of understanding self and others. Solution of interpersonal problems in business and industry. Techniques necessary to obtain employment. Responsibilities of the American worker. Two clock hours per week.

#### 102 Electronics Laboratory and Lecture — 5 credits
- A continuation of ET-101. Thevenin's and Norton's equivalents, basic radio receiver and transmitter analysis, and basic transistors, printed circuit design and processing. Prerequisite: Electronics Laboratory and Lecture ET-101. Five hours of lecture and ten hours laboratory.

#### 111-112 Communication Skills — 3-3 credits
- This course is designed to develop five forms of communication skill: observing, listening, reading, writing and speaking. Memory and study improvement, word analysis, spelling and technical vocabulary are stressed during the first semester. Grammatical and logical forms, public and conversational speaking, business, report and technical writing are stressed during the second semester. Three clock hours per week.

#### 131-132 Basic Electronics Mathematics — 4-4 credits
- First semester—Review of basic fundamentals of mathematics, slide rule, algebra, geometry, and basic trigonometry. Second semester—A continuation of first semester, logarithms, slide rule, and an introduction to analytical geometry. Five clock hours per week.

#### 141-142 Electronics Science — 1-1 credits
- Designed to instruct the student in practice of drawing schematics, develop good electrical engineering lettering techniques, and understanding symbols, dimensions and designs. Second semester deals with engineering graphs, and printed circuit design. Two clock hours per week.

#### 171-172 Circuit Analysis — 3 credits
- The study of basic electricity and basic electronics with the emphasis on system and data flow. These two courses stress the analyzing of circuits the student has never seen before and the technical report writing necessary to convey these analysis to prose. Five clock hours.

#### 201-202 Advanced Electronics Laboratory — 5-5 credits
- First semester—Consists of practice on F.M. and T.V. receivers, scopes, pulse network, alignment of T.V. and F.M. circuits, pulse, differentiating and integrating circuits, antenna and transmission lines. Second semester—Industrial electronics, computers, transistors, and a continuation of first semester studies. Prerequisite: Electronics Laboratory and Lecture ET-102. Fifteen clock hours per week.

#### 231-232 Advanced Electronics Mathematics — 3-3 credits
- The student will be concerned with advanced trigonometry, analytical geometry, and introduction to calculus. Prerequisite: Basic Electronics Mathematics ET-132. Five clock hours per week.

#### 241-242 Advanced Electronics Science — 4-4 credits
- Basic physics as it applies to the electronic technician's needs. This course deals with mechanics, heat, sound, and light. Prerequisite: Electronics Science ET-142. Five clock hours per week.

#### 251-252 Advanced Electronics Theory — 2-4 credits
- Fall semester—Covers the fundamentals of broadband amplifiers, pulse network and techniques, pickup devices, deflection circuits, synchronization circuits A.M. and F.M. and T.V. equipment. Spring semester—Covers the theory and design of computers, thyatrons, transistors, servo and synco principles. Three clock hours per week Fall and five clock hours per week Spring.

#### 262 Industrial Psychology — 2 credits
- This course is designed to develop those human relationship skills the student will need at work. Relationship situations of office and shop are simulated, enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.
## Distributive Education Two-Year Programs

### MM FASHION MERCHANDISING — MID-MANAGEMENT CURRICULUM

<table>
<thead>
<tr>
<th>Subject</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>FRESHMAN YEAR:</td>
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<tr>
<td>English Composition</td>
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<tr>
<td>Introduction to Business</td>
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<tr>
<td>Retail Selling</td>
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<tr>
<td>Clothing</td>
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<tr>
<td>Business Mathematics/Machines</td>
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<tr>
<td>Clothing Selection</td>
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<tr>
<td>Textiles</td>
<td>—</td>
<td>3</td>
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<tr>
<td>Elements of Management</td>
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<tr>
<td>Principles of Advertising</td>
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<tr>
<td>Mid-Management Work Experience</td>
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<tr>
<td>Physical Education Activities</td>
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<td>1</td>
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<tr>
<td>SOPHOMORE YEAR:</td>
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<tr>
<td>Introduction to Marketing</td>
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<tr>
<td>Fashion Analysis and Design</td>
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<tr>
<td>Professional Speech Communication</td>
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<tr>
<td>Retail Buying</td>
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<td>Report Writing</td>
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<tr>
<td>Mid-Management Work Experience</td>
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<tr>
<td>Principles of Retailing</td>
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<td>3</td>
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<tr>
<td>Principles of Accounting</td>
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<tr>
<td>Business Psychology</td>
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</tr>
<tr>
<td>Supervision of Personnel</td>
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<td>3</td>
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<tr>
<td>Elective</td>
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<tr>
<td>SOPHOMORE YEAR (continued)</td>
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<tr>
<td>1ST SEM.</td>
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<tr>
<td>2ND SEM.</td>
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### MM MARKETING — MID-MANAGEMENT — CURRICULUM

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<thead>
<tr>
<th>Subject</th>
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<th>2ND SEM.</th>
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<tbody>
<tr>
<td>FRESHMAN YEAR:</td>
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<td>English Composition</td>
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<td>Business Mathematics/Machines</td>
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<td>Retail Selling</td>
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<td>Principles of Advertising</td>
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<tr>
<td>Merchandise Analysis</td>
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<td>Mid-Management Work Experience</td>
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<tr>
<td>Elements of Management</td>
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<td>—</td>
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<tr>
<td>Professional Speech Communication</td>
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<td>Physical Education Activities</td>
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<tr>
<td>SOPHOMORE YEAR:</td>
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<tr>
<td>Introduction to Marketing</td>
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<tr>
<td>Principles of Retailing</td>
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<td>3</td>
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<tr>
<td>Principles of Economics</td>
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<td>—</td>
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<tr>
<td>Principles of Accounting</td>
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<td>3</td>
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<tr>
<td>Business Psychology</td>
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<tr>
<td>Report Writing</td>
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<td>3</td>
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<tr>
<td>Supervision of Personnel</td>
<td>3</td>
<td>—</td>
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<tr>
<td>Credit and Collections</td>
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<tr>
<td>Mid-Management Work Experience</td>
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<td>Elective</td>
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<td>1ST SEM.</td>
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<td>2ND SEM.</td>
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</table>

### MM MARKETING, MID-MANAGEMENT — Courses

Course offerings are described on page 107.

## VOCATIONAL

### One Year Programs

#### AB AUTO BODY — CURRICULUM

**11 Month Program**

The Auto Body curriculum is designed to provide the student with the background necessary for employment in a shop repairing damaged automobiles. Basic laboratory practices of restoring vehicles to their original design, structure and finish are covered in this course. Some basic glasswork and frame alignment work are also covered. The student is given the opportunity to work on a variety of repair jobs in the shop, and to spend time in the parts and tool room. This training provides students with the necessary skills and knowledge for employment in the Auto Body Trade and closely allied crafts. Credits in this course of study are not counted toward an academic degree.

<table>
<thead>
<tr>
<th>Subject</th>
<th>COURSE NO. AND TITLE</th>
<th>FALL</th>
<th>SPRING</th>
<th>SUMMER</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO BODY Lab</td>
<td>AB-121-122-123</td>
<td>10</td>
<td>10</td>
<td>7</td>
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<tr>
<td>Auto Body Theory</td>
<td>AB-141-142-143</td>
<td>7</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Industrial Psychology</td>
<td>AB-262</td>
<td>2</td>
<td>—</td>
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</tr>
</tbody>
</table>

| Total Credits             | 17   | 17     | 12     |

157
The purpose of these courses is to develop and give practice in the skills needed by an auto body repairman. Subjects covered include the following: orientation, safety rules, shop house-keeping, oxy-acetylene welding, painting fundamentals, metal working and shrinking, plastic and lead body filing, advanced painting processes, frame alignment, glass and panel replacement. 25 hours laboratory per week.

141-142-143 Auto Body Theory — 7-5-5 credits
This course correlates with the auto body laboratory course. The theory of auto body repair and painting is covered. Mathematics and science necessary for and related to the trade are taught. 10 hours lecture summer and fall. 8 hours lecture spring per week.

262 Industrial Psychology — 2 credits
This course is designed to develop those human relationship skills the student will need at work. Relationship situations of office and shop are simulated, enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.

AM AUTO MECHANICS—CURRICULUM
11 Month Program
The modern developments in our enormous automotive industry demand the employment of highly skilled mechanics, well-trained in maintenance and repair techniques. This course provides the basic background and experience necessary for employment in the automotive mechanics field and allied vocations. Credit in this course of study are not counted toward an academic degree.

SUBJECT CREDITS
COURSE NO. AND TITLE FALL SPRING SUMMER
AM-101-102-103 Automobile Laboratory ... 10 10 7
AM-151-151-153 Automotive Theory ........ 5 7 5
AM-262 Industrial Psychology ............. 2

17 17 12

AM AUTO MECHANICS—Courses
101 Automotive Laboratory — 10 credits
This course correlates with the Automotive Theory course No. 151. In this phase of the automotive course the student is instructed in the overhauling and repairing of the engine and all internal parts. The fuel system and carburation are covered as well as the ignition system. This phase of the training is on live work which gives the student the advantage of learning under actual working conditions they will encounter in the field. Shop safety, cleanliness, and management are taught. 25 hours per week.

102 Automotive Laboratory — 10 credits
This course correlates with Automotive Theory AM 152. It is designed to train students in testing and repairing all electrical systems. This includes step by step procedure in automotive tune-up using tune-up test equipment. Checking and repairing steering suspension and wheel alignment is also included. This phase of training is mostly live work. 25 hours per week.

103 Automotive Laboratory — 7 credits
This course correlates with Automotive Theory course AM 153. Shop practice in automobile powertrain and brake systems. Includes garage practices, experiments, troubleshooting, proper diagnosis and repair of units in the shop on mockup units and live work on automobiles. Includes practice, care and safety of special equipment, machines and service tools. Shop safety, cleanliness and management are covered. 25 hours per week.

151 Automotive Theory — 7 credits
This course correlates with the design, construction, maintenance and repair of automotive engines and fuel systems. 25 hours per week.

152 Automotive Theory — 5 credits
This course correlates with Automotive Theory courses No. 151. In this phase of the automotive course the student is instructed in the overhauling and repairing of the engine and all internal parts. The fuel system and carburation are covered as well as the ignition system. This phase of the training is on live work which gives the student the advantage of learning under actual working conditions they will encounter in the field. Shop safety, cleanliness and management are taught. 25 hours per week.

262 Industrial Psychology — 2 credits
This course is designed to develop those human relationship skills the student will need at work. Relationship situations of office and shop are simulated, enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.

DA DENTAL ASSISTANT—CURRICULUM
9 Month Program
The Dental Assisting Program consists of Dental Assistant Theory, Dental Laboratory instruction and Clinical Experience. Boise State College 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 grades on the G.A.T.B., personal interview and aptitude testing. The dental assistance courses are taught by dentists and a dental assistant instructor.

This is an accredited program by the Council of Dental Education and the American Dental Assistant Association. Students are eligible to take the Certification Examination upon completion of the course.

SUBJECT CREDITS
COURSE NO. AND TITLE FALL SPRING
DA-101-102 Dental Laboratory .......... 4 3
DA-106 Dental Assisting Clinical .......... — 3
DA-108 Dental Office Management .......... — 2
DA-109 Public Health and Dental Hygiene .......... 2 —
DA-111-112 Communication Skills .......... 3 3
DA-151-152 Dental Theory .......... 4 3
DA-262 Industrial Psychology .......... — 2
SP-111 Fundamentals of Speech .......... 3 —
PE-105 First Aid (Elective) .......... — 2

18 16
DA DENTAL ASSISTING — Courses

101-102 Dental Laboratory — 4-3 credits
This course consists of practical laboratory training in manipulation of dental materials, instrumentation, sterilizing and care, pouring and trimming study models, custom trays, investing and casting, use of equipment and safety, and exposing and processing dental X-rays. Taken concurrently with DA 151-152. Fourteen clock hours per fall semester. Six clock hours spring semester.

106 Dental Assisting Clinical Experience — 3 credits
Supervised chairside assisting experience in the private dental offices and hospital dental clinics. Sixteen clock hours per week.

108 Dental Office Management — 2 credits
The fundamentals of business practices as related to dentistry including bookkeeping, appointment control, supply control, business correspondence, as well as credit and collection procedures. Two clock hours per week.

109 Public Health and Dental Hygiene — 2 credits
This course deals with phases of health in which the student can aid in conserving the general and dental health of herself, her family and the community. It is concerned with such subjects as Federal and State Health Departments, preventive dentistry, communicable disease, degenerative disease, diet and nutrition, mental health and general health information. Two clock hours per week.

PN PRACTICAL NURSING PROGRAM
12 Month Program
The practical nursing program, in cooperation with three hospitals, two nursing homes, the Idaho State School and Hospital and the State Board for Vocational Education, is approximately one calendar year in length and consists of daily hospital nursing experiences and classroom instruction. A certificate is awarded upon graduation from the course. Students are then eligible to take the state licensing examination, which, if passed, qualifies them as Licensed Practical Nurses.

Admission:
Entrance requirements: High school graduation or passing the General Educational Development Test. Satisfactory scores on the General Aptitude Test Battery and the P.A.C.E., which are given by the Department of Employment and Boise State College respectively. A complete medical and dental examination is required. The Practical Nursing Advisory Committee recommends to the director candidates for the program after a personal interview. They also recommend dismissal of students not performing in a satisfactory manner.

Classroom work includes instruction in the needs of humans in health and in sickness, with emphasis on the practical nurses' part in meeting these needs.

Clinical experience consists of supervised hospital nursing experience in caring for patients with medically and surgically treated conditions, caring for sick children, new mothers and infants. Students are taken on field trips to specific health agencies in the community.

Contact Counselor, Vocational Technical Division, Boise State College, Boise, Idaho 83707, for further information and application forms.

W BASIC WELDING—CURRICULUM
9 Month Program
The welding curriculum is designed to provide two levels of training. The first year will provide the student with usable skills and should qualify him for employment as a production welder. Some students may desire to terminate their training at this point. The second year of the program will provide advanced training in layout and a better understanding of the properties of metals as well as advanced techniques and processes that are in demand in industry. The course of study may be altered to keep abreast of new welding procedures and advancements in industry.

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>COURSE NO. AND TITLE</th>
<th>FALL</th>
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<tbody>
<tr>
<td>W 101-102 Welding Lab</td>
<td>8</td>
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<tr>
<td>W 111 Communication Skills</td>
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<tr>
<td>W 131-132 Related Basic Math</td>
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<tr>
<td>W 151-152 Welding Theory</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>W 262 Industrial Psychology</td>
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</tbody>
</table>

| TOTAL CREDITS | 16 | 15 |

W BASIC WELDING — Courses
Basic Welding courses are described under Vocational Two-Year Programs. See page 159.
PRE-VOCAATIONAL TRAINING

Pre-vocational education for vocational students or adults who have not completed high school is offered through the Vocational Technical Division. The courses include adult basic education, preparation for the high school equivalency certificate, adult guided studies, and approved high school courses in American Government, Mathematics, English, Social Studies, and Natural Science. Classes are determined according to individual needs of the students. Classes are approved by the State of Idaho and for veterans qualifying under Chapter 34, Title 38, U.S.C. (Var 14253 A2).

A special guided studies program for adults has been developed to help upgrade skills, to help adults prepare for better jobs, and to prepare for or further vocational training.

PATROLMAN (Government Service)

Under the Manpower Development Training Act this course is carried on at the Mountain Home Air Force Base. It is limited to servicemen about to be discharged. Selection of students is made by the Department of Employment.

APPRENTICESHIP AND TRADE EXTENSION

Through cooperative arrangements with the State Board for Vocational Education, Boise State College Vocational Technical Division sponsors a wide range of trade extension training for beginning, apprentice and journeyman workers. Such courses are designed to meet the specific needs of industry, labor, agriculture, and government. Classes usually meet in the evening. Flexibility of scheduling, content, place of meeting is maintained in order to meet the growing educational needs of the community. Typically, though not invariably, such courses provide related technical training for those workmen receiving on-the-job instruction in such vocations as Sheetmetal, Carpentry, Plumbing, Welding, Electricity, Electronics, Typing, Grocery Checking, Automotives, Nursing and Farming.

Information concerning admission requirements, costs, dates, etc., may be obtained from Boise State College Division of Vocational-Technical Education.
Boise State College Full-Time Faculty

January, 1972
(The date in parentheses is the year of first appointment)

A

DOROTHY ALBERTSON, Associate Professor of Office Administration ................................................................. (1953)
B.S. (Ed.), University of Nebraska; M.A., College of Idaho; State University College of Plattsburg, New York; University of Idaho; University of Denver.

JOHN W. ALLEN, Instructor in Physics ............................................. (1971)
B.A., Willamette University; M.A., Harvard University

ROGER H. ALLEN, Assistant Professor of Business Administration ................................................................. (1966)
A.A., Boise Junior College; B.S., University of Nevada; M.B.A., Northwestern University.

THELMA F. ALLISON, Associate Professor of Home Economics; Chairman, Department of Home Economics ............................................. (1946)
B.S. (H.C.), Utah State Agricultural College; University of Utah, Brigham Young University; M.S. (H.C.Ed.), Utah State Agricultural College; Carbon College; Oregon State University; Arizona State University.

ROBERT MELVIN ANDERSON, Assistant Professor of Mathematics ................................................................. (1970)
B.S., Utah State University; Ph.D., Michigan State University.

DAVID C. ANDRESEN, Instructor, Acquisitions Librarian .................................................... (1971)
B.A., M.A., University of Washington.

E. BARRY ASMUS, Assistant Professor of Economics ............................................. (1971)
B.S., M.S., Colorado State University; Ph.D., Montana State University.

B

STEVEN F. BAGGERLY, Instructor in Machine Shop .................................................... (1968)
Diploma, Boise Junior College.

CHARLES BAKER, Associate Professor of Biology ................................................................. (1968)
B.S., M.S., University of Nevada; Ph.D., Oregon State University.

JOHN B. BALDWIN, Assistant Professor of Music .................................................... (1971)
B.M.E., M.M.E., Wichita State University; Ph.D., Michigan State University.

RICHARD BANKS, Assistant Professor of Chemistry ................................................................. (1968)
B.S., College of Idaho; Ph.D., Oregon State University.

K. ANN BARNES, Educational Media Librarian
Assistant Professor ................................................................. (1969)
A.S., Weber State College; B.A., Brigham Young University; M.L.S., University of Washington.

JOHN B. BARNES, Professor of Education, President .................................................... (1967)
B.A., M.A., University of Denver; Ed.D., University of Wyoming.

GWYN BARRETT, Associate Professor of History .................................................... (1968)
B.S., Utah State University; M.A., University of Hawaii; Ph.D., Brigham Young University.

WYLLA BARSNESS, Associate Professor of Psychology ................................................................. (1968)
A.B., William Jewell College; M.S., Montana State University; Ph.D., University of Minnesota.

KATHRYN I. BECK, Assistant Professor of Social Work .................................................... (1972)
B.A., Washington State University; M.S.W., Florida State University.

JOHN L. BEITIA, Assistant 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.

H. WILLIAM BELKNAP, Assistant Professor of Biology .................................................... (1959)
B.A., College of Idaho; M.S., Louisiana State University; Arizona State University; University of Oregon.

HERBERT K. BELL, JR., Assistant Professor of Accounting .................................................... (1970)
J.D., University of Louisville; M.B.A., U.S. Air Force Institute of Technology; C.P.A., University of Maryland; Midwestern University.

BONNIE BENNETT, Instructor in Registered Nursing .................................................... (1970)
B.S., Brigham Young University.

JOHN H. BEST, Associate Professor of Music .................................................... (1947)
B.S., University of Idaho; M.A., Colorado State College of Education; Cello Pupil of Elias Trustman and Joseph Wezels; Composition and Theory pupil of J. DeForest Cline and Henry Trustman Ginsburg.

CAROL JEAN BETTIS, Instructor, Assistant Librarian .................................................... (1970)
B.S. (Chemistry), A.M.L.S., University of Michigan.

JOHN PATRICK BIETER, Associate Professor of Teacher Education and Library Science .................................................... (1969)
B.A., St. Thomas College; M.A., University of California at Berkeley; Ed.D., University of Idaho.

DONALD B. BILLINGS, Associate Professor of Economics .................................................... (1972)
B.A., San Diego State College; M.A., Ph.D., University of Oregon.

V. DALE BLICKENSTAFF, Professor of Accounting, Dean, School of Business .................................................... (1967)
B.S., McPherson College; M.S., Fort Hays State College; Ed.D., Colorado State College; Oklahoma State University; C.P.A.

ROBERT R. BOREN, Associate Professor of Communication; Chairman, Department of Communication .................................................... (1971)
B.A., M.A., Brigham Young University; Ph.D., Purdue.

BILL C. BOWMAN, Associate Professor of Physical Education .................................................... (1969)
B.A., Southern Idaho College of Education; M.Ed., University of Oregon; Ed.D., Brigham Young University.

PHYLLIS E. BOWMAN, Assistant Professor of Physical Education .................................................... (1970)
B.S., Utah State University; M.A., Brigham Young University; Weber State.

DALE BOYER, Assistant Professor of English .................................................... (1968)
B.A., M.A., University of Oregon; Ph.D., University of Missouri.

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BOISE STATE COLLEGE
Faculty

RICHARD F. BOYLAN, Assistant 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 .......................... (1971)
B.S., Idaho State University; M.B.A., University of Utah.

C. GRIFFITH BRATT, Professor of Music, Composer-Artist-in-Residence .... (1946)
Artist's Diploma in Organ, Mus.M., Harmony Teacher's Certificate, Church Organist's Certificate; Peabody Conservatory of Music, Baltimore, Md.; Johns Hopkins University.
University of Baltimore; University of Utah; A.A.G.O., Mus. Doc., Northwest Nazarene College.

J. WALLIS BRATT, Instructor in Music ................................................. (1970)
B.M., University of Idaho; M.M., University of Utah.

SUSAN I. BRENDER, Assistant Professor of Office Administration ............ (1969)
B.S.C., M.A., University of Iowa.

PHOEBE L. BRYANT, Assistant Professor of History ................................. (1966)
B.S., M.S., Drake University.

JAMES R. BUCHANAN, Assistant Professor of Welding ............................ (1959)

RICHARD E. BULLINGTON, Professor of Education, Executive Vice President .......................... (1968)
B.S., Rutgers, M.A., Ed.D., University of Alabama.

MAURICE M. BURKHOLDER, Consulting Professor in Health Education .......... (1971)
B.A., Goshen College; M.S., Northwestern University; Evanston, Illinois; M.D., Northwestern University Medical School, Chicago.

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.

AILEEN BURNS, Assistant Professor of English ........................................ (1967)
B.S., M.A., Brigham Young University.

CLARA P. BURCH, Assistant Professor of Teacher Education and Library Science ................................................. (1969)
B.A., M.A., College of Idaho.

C

MAXIMO J. CALLAO, Assistant Professor of Psychology, Counselor .............. (1971)
B.A., San Jose State College; M.S.Ed., Ph.D., Purdue University.

ERMA M. CALLIES, Vocational Counselor ............................................. (1969)
B.S., South Dakota University.

ROBERT RUSSELL CAMPBELL, Assistant Professor of Physical Science and Engineering ................................................. (1970)
B.S., University of Washington; M.A., Ph.D., University of California; Irvine.

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, Assistant 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.

WILLA M. CHAFFEE, Instructor in Practical Nurses Training .................... (1967)
R.N., St. Lukes Hospital; University of Colorado.

ACEL H. CHATBURN, Professor of Education ........................................ (1944)
B.A., College of Idaho; University of Idaho; M.A., University of Colorado; Ed.D., Washington State University; University of California at Berkeley.

WAYNE CHATTERTON, Professor of English ........................................... (1968)
B.S., M.A., Brigham Young University; Ph.D., University of Utah.

JAMES LEE CHRISTENSEN, Assistant Professor of Social Science .................. (1970)
B.S., Brigham Young University; M.A., University of Wyoming; Ph.D., University of Utah.

MARVIN CLARK, Associate Professor of Business Education; Chairman, Department of Business Education ......................... (1969)
B.S., St. Cloud State College; M.A., Ph.D., University of Minnesota.

MICHAEL E. CLEVELAND, Assistant 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.

DEWEY H. COFIELD, Assistant Professor of Electronics .......................... (1961)
University of Idaho; Idaho State College.

CONRAD COLBY, Instructor in Biology ................................................. (1970)
B.A., M.A., University of Montana.

CECILIA (TRUDY) Y. COMBA, Assistant Professor of Teacher Education .......... (1970)
B.E., Duquesne University; M.Ed., University of Arizona; Ph.D., University of Oregon.

DORAN L. CONNOR, Assistant Professor of Physical Education .................. (1969)
B.A., Idaho State University; M.S., Utah State University.

GENE COOPER, Professor of Physical Education; Chairman, Department of Physical Education ................................................. (1967)
B.S., M.S., D.Ed., University of Utah.

DELBERT F. CORBETT, Assistant Professor of Theatre Arts .......................... (1969)

A. ROBERT CORBIN, Associate Professor of Sociology ............................ (1967)
B.A., Blackburn College; M.A., University of Washington; Th.M., Iliff School of Theology.

ROBERT C. CORNWELL, Associate Professor of Business Education .......... (1969)
B.A., Wartburg College; M.A., Colorado State University; Ed.D., Arizona State University.

T. VIRGINIA COX, Instructor in Anthropology ........................................ (1967)
B.A., San Diego State College; M.A., University of California at Davis.

DAVID E. CRANE, Library Cataloger, Assistant Professor ......................... (1969)
B.A., San Francisco State College; M.A., San Jose State College.

MARY CROWSON, Instructor in Nursing ................................................. (1966)
B.S.N., University of Utah.

MARTHA CRUMPACKER, Instructor in Office Administration ......................... (1969)
B.A., Boise State College; Oregon State University.
BILL DARRELL CURTIS, Instructor in Auto Body (1967)  
Diploma, Boise Junior College.

E  
EARL J. DAVIS, Assistant 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.

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.

CHARLES GEORGE DAVIS, Associate Professor of English; Chairman, Department of English (1970)  
B.A., Middlebury College; M.A., University of California, Berkeley; Ph.D., University of North Carolina.

ANNE N. DE LAURIER, Counselor, Assistant Professor (1967)  
B.A., College of Idaho; M.S., University of Oregon.

ROBERT de Neufville, Associate Professor of Foreign Languages (1949)  
B.A., M.A., New College, Oxford; Dr. Jr., Marburg University; Geneva University; Berlin University; Columbia University; Middleburg College.

JOANNA DEMEYER, Consulting Professor of Nursing (1972)  
B.S., University of Oregon; M.N., University of Washington.

MAY CHARLENE DENNY, Instructor, General Librarian (1970)  
B.A., St. Michael College; M.L.S., Texas Woman's University.

JERRY P. DODSON, Assistant Professor, Counselor (1970)  
B.A., Ball State University; M.S., Purdue.

PATRICIA M. DORMAN, Associate Professor of Sociology; Acting Chairman, Department of Societal and Urban Studies (1967)  
B.S., M.S., Ph.D., University of Utah.

JAMES G. DOSS, Assistant Professor of Business Administration, Assistant Dean, School of Business (1970)  
B.A., University of California; M.S., The George Washington University.

VICTOR H. DUKE, Professor of Pharmacology, Dean, School of Health Sciences (1972)  
B.S., Idaho State University; Ph.D., University of Utah.

RAYMOND DUQUETTE, Assistant Professor of Teacher Education (1970)  
B.S.Ed., State College, Fitchburg; M.S., University of Bridgeport; Ph.D., Arizona State University.

KEITH A. EKBLAW, Assistant Professor of Mathematics (1970)  
B.A., Augustana College; M.A., University of Kansas; Ph.D., University of Kentucky.

WILBER D. ELLIOTT, Associate Professor of Music; Chairman, Department of Music (1969)  
B.A., University of Washington; M.E., Central Washington.

ROBERT W. ELLIS, Assistant Professor of Chemistry (1971)  
B.S., College of Idaho; M.S., Ph.D., Oregon State University.

ROB E J. ELLSWORTH, Consulting Professor in Health Education (1971)  
B.S., University of Oregon; M.D., University of Oregon Medical School.

J. CALVIN EMERSON, Associate Professor of Chemistry (1933-40; 1960)  
A.B., Northwest Nazarene College; B.S., College of Idaho; M.S., University of Idaho; University of Washington; Oregon State University.

ROBERT EDWARD ERICSON, Assistant Professor of Theatre Arts; Chairman, Department of Theatre Arts (1970)  
B.S., Pacific University; M.A., Indiana University; Ph.D., University of Oregon.

EVELYN EVERTS, Assistant Professor, Reference Librarian (1957)  
B.A., Librarianship, University of Washington; B.S., Zoology, University of Washington; Washington State University.

MARJORIE E. FAIRCHILD, Associate Professor of Library Science (1966)  
A.B., University of California; M.A. in Librarianship, University of Southern California; M.A., Library Science, University of California at Berkeley.

DAVID JOHN FERGUSON, Assistant Professor of Mathematics (1970)  
B.S., Ph.D., University of Idaho.

HELEN FLAHERTY, Instructor in Licensed Practical Nursing (1968)  
B.S.N., University of Portland College of Nursing.

NANCY L. FLEMING, Assistant Professor of Nursing (1963)  
B.S.N., University of Nebraska College of Medicine.

MILTON B. FLESHMAN, Assistant Professor of Auto Mechanics (1959)  
Idaho State College; Carter Carburetion Course; Delco-Remy Auto Electric Class; Allen Tune-up Equipment; Boise Junior College; Briggs & Stratton Factory Service School, Portland, Oregon; United Motors Service Courses.

ALLAN WALKER FLETCHER, Assistant Professor of History (1970)  
B.S., Louisiana State University; M.A., Ph.D., University of Washington.

E. COSTON FREDERICK, Associate Professor of Education (1971)  
B.S. Ed., State Teacher's College, Indiana; M.Ed., Temple University; Ph.D., Syracuse University; Michigan State University.

LEONARD M. FRENCH, Instructor in Communication (1970)  
B.A., University of Montana.

HARRY K. FRITCHMAN, II, Professor of Zoology (1954)  
A.A., Boise Junior College; B.A., M.A., Ph.D., University of California at Berkeley.

ALBERT M. FUEHRER, Instructor in Auto Mechanics (1965)  
Northwest Nazarene College; Idaho State University; Specialized Automotive Training.

EUGENE G. FULLER, Associate Professor of Zoology (1967)  
B.S., M.S., University of Nevada; Ph.D., Oregon State University.

EDWARD K. GILL, Associate Professor of Finance (1971)  
BOISE STATE COLLEGE
Faculty

RALPH J. GINES, Assistant Professor of Accounting ........ (1967)
B.S., Brigham Young University; L.L.B., George Washington
University; C.P.A.

GORDON L. GOCHNOUR, Assistant Professor of Physical
Education ........................................ (1971)
B.S. College of Idaho; M.S., Arizona State University;
Oregon State University; University of Idaho; University of Utah.

WILLARD H. GODFREY, JR., Associate Professor of
Marketing ........................................ (1970)
B.S., Brigham Young University; M.S., University of Arizona;
Ph.D., Montana State University; University of Colorado;
Colorado State University.

C. WALLACE GOULD, Associate Professor of History,
Political Science ................................... (1966)
B.Mus., M.Mus., Oberlin College; Ph.D., Northwestern
University; Interamerican University, Mexico.

CURTIS C. GRAHAM, Associate Professor of Accounting,
Chairman, Department of Accounting and Data
Processing ......................................... (1971)
B.S., Central Missouri State College; M.A., Ph.D., University
of Oklahoma; C.P.A.

ROGER D. GREEN, Vice-President for Financial Affairs .... (1971)
B.S., M.S., Kansas State Teachers College; University of
Minnesota.

FRANCES S. GRIFFITH, Instructor in Horticulture ........ (1971)
Lewiston Business College

DON P. HAACKE, Instructor, General Librarian .......... (1971)
B.A., M.L.S., University of Washington; Brigham Young
University; Weber State College.

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.

STEPHEN S. HAMILTON, Assistant Professor in Business
Administration .................................... (1970)
A.B.S., Treasure Valley Community College; B.B.A., M.B.A.,
University of Oregon.

MARK HANSEN, Instructor in English ....................... (1969)
B.A., M.A., San Francisco State College.

ARDEN E. HARRIS, Instructor in Office Machine
Repair ............................................. (1965)
Special Training in Office Machine Repair.

MARY ALICE HART, Instructor in English ................... (1969)
B.S., M.A., Utah State University.

RICHARD HART, Assistant Professor in Economics;
Director, Center for Business and Economic
Research .......................................... (1966)
B.S., M.S., Utah State University; Ph.D., Kansas State
University.

JACK A. HARTVIKSEN, Assistant Professor of Teacher
Education; Director, Instructional Materials
Center ............................................. (1970)
B.S., University of Idaho; University of Utah; Idaho State
College; Brigham Young University; University of Southern
California; Arizona State University; Utah State University.

CAROL D. HARVEY, Instructor in Social Science .......... (1970)
B.S., University of Idaho; M.A., Washington State Univer-
sity.

JOHN P. HAYDON, Instructor in Vocational-Technical
Education ........................................ (1969)

DELBERT D. HEACOCK, Associate Professor of
Psychology ........................................ (1966)
B.A., College of Idaho; M.S., Ph.D., University of Utah.

FRANK K. HEISE, Instructor in Theatre Arts .............. (1971)
B.S., Wisconsin State University; M.A., University of South
Dakota.

ROBERT A. HIBBS, Professor of Chemistry ............... (1965)
B.S., M.S., University of Florida; Ph.D., Washington State
University.

YUKIITO HIJIIIYA, Assistant Professor of English ...... (1970)
B.A., Shikoku Christian College, Japan; M.A., Wake Forest
University, North Carolina; Ph.D., University of New Mexico;
Davidson College.

K. LYLE HILL, Assistant Professor of Teacher
Education ......................................... (1968)
B.S., Illinois State University; M.A., College of Idaho;
Oregon State University; Leave of absence 1971-72.

RODNEY HONNHORST, Assistant Football Coach ....... (1971)
B.S., Idaho State University.

KENNETH HOLLENBAUGH, Associate Professor of Geology,
Chairman, Department of Geology .................... (1968)
B.S., Bowling Green State University; M.S., Ph.D., University
of Idaho.

PATRICIA ANNE HOLMAN, Instructor in Physical
Education ......................................... (1970)
B.S., Northern Montana College; M.S., University of Utah.

THEODORE HOPFENBECK, Assistant Professor of Criminal
Justice ........................................... (1967)
B.S., M.Ed., University of Arizona; San Diego State College.

JAMES W. HOPPER, Assistant Professor of Music .......... (1970)
B.S., Juilliard School; M.A., State University of Iowa; Wash-
ington State University.

MADELEINE DEMORY HSU, Assistant Professor of
Music ............................................. (1971)

DAN D. HUFF, Assistant Professor of Social Work ....... (1970)
B.A., Washburn University; M.S.W., Kansas University.

HOWARD L. HUFF, Assistant Professor of Art ............ (1965)
Diploma, Boise Junior College; B.A., College of Idaho;
M.F.A., University of Idaho.

ROBERT B. HUGHES, Associate 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, Assistant Professor of Teacher
Education, Director of Admissions and Records .......... (1970)
B.S.Ed., Eastern Oregon College; M.S.Ed., Eastern Oregon
College; Ph.D., Arizona State University.

M. SUSAN HUNTER, Instructor in Education, Dean of
Women ........................................... (1971)
B.A., Fresno State College; M.S., Oregon State University;
San Fernando Valley State College; California State College at
Los Angeles.

DARRYL HUSKEY, Assistant Professor, Serials and
Documents Librarian .............................. (1968)
B.S., Brigham Young University; M.L., Kansas State Teachers
College.

GAIL ISON, Associate Professor of Psychology .......... (1970)
B.A., Idaho State University; M.A., Brigham Young Univer-
sity; Ph.D., University of Oregon.
JOHN H. JENSEN, Associate Professor of Teacher Education and Library Science ........................................... (1969)
B.A., Western Michigan University; M.S., Ph.D., University of Oregon.

HELEN R. JOHNSON, Associate Professor of Office Administration ............................................................ (1955)
B.A., Northwest Nazarene College; University of Idaho; Oregon State University; University of Washington; M.A., College of Idaho; University of California at Berkeley; Arizona State University.

DONALD S. JONES, Instructor in Vocational-Technical Education ................................................................... (1970)
Service Schools of Smith Corona, Olivetti Underwood, Olympia Electric, Gidden Paint Sales.

WILLIAM A. JONES, Instructor in Physical Education ......................................................................................... (1965)
B.A., Boise College.

ROBERT C. JUOLA, Associate Professor of Mathematics ..................................................................................... (1970)
B.S., University of Oregon; M.S., Ph.D., Michigan State University.

JAMES V. KELLEHER, Instructor in Biology ........................................................................................................ (1970)
B.A., San Jose State College; M.S., University of Nevada.

FRANCIS E. KELLER, Associate Professor of Engineering ................................................................................... (1967)
B.S., Seattle University; M.S., University of Idaho; Ph.D., Montana State University.

MARY LOUISE KELLER, Assistant Professor of Nursing ....................................................................................... (1959)
B.S.N., Northwest Nazarene College; University of Washington; University of California at Los Angeles.

DORIS KELLY, Assistant Professor of Nursing ..................................................................................................... (1958)
Diploma, Cook County School of Nursing; B.A., University of Denver; M.N., University of Washington.

FENTON C. KELLEY, Assistant Professor of Zoology ......................................................................................... (1969)
B.A., M.S., University of New Mexico; Ph.D., University of California at Berkeley.

CHARLES R. KERR, Associate Professor of Mathematics ...................................................................................... (1969)
B.A., Washington State University; M.A., Ph.D., University of British Columbia.

JOHN H. KILLMASTER, Assistant 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.

WILLIAM F. KIRTLAND, Associate Professor of Teacher Education and Library Science .............................. (1969)
Director of Reading Center; B.S., M.A., Berndit State College; Ed.D., Arizona State University.

ANTHONY J. Knap, Head Football Coach ............................................................................................................. (1968)
B.S., M.S., University of Idaho; San Francisco State College; Marquette University, Milwaukee; University of California at Berkeley.

LEO L. KNOWLTON, Associate Professor of Marketing ........................................................................................... (1965)
B.S., M.S., University of Idaho; University of Oregon.

ALFRED KOBER, Assistant Professor of Art ........................................................................................................... (1968)
B.S., M.S., Fort Hayes Kansas State College.

NOEL KRIGBAUM, Assistant Professor of Vocational-Technical Education ................................................................. (1955)
Electricians School, Navy; Idaho State University; Boise Junior College.

ELLIS LAMBORN, Professor of Economics; Chairman, Department of Economics ........................................ (1968)
B.S., Utah State University; M.S., University of Illinois; Ph.D., Cornell University; University of California.

DANIEL GODLIEB LAMET, Assistant Professor of Mathematics ........................................................................ (1970)
B.S., University of Michigan; M.A., Ph.D., University of Oregon.

RICHARD C. LANE, Assistant Professor of General Business ............................................................................ (1969)
B.S., M.S., Kansas State College; University of Missouri.

WILLIAM C. LARUE, Instructor in Vocational-Technical Education ....................................................................... (1969)
Philco Corp., N.A.S.A. Manned Space Program, Boeing Corporation.

CHARLES E. LAUTERBACH, Assistant Professor of Theatre Arts ........................................................................... (1971)
B.A., M.A., University of Colorado; Ph.D., Michigan State University.

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, Assistant Professor of Physical Education .......................................................................................... (1956)

MICHAEL L. LIGGITT, Assistant Professor of History ........................................................................................... (1970)
B.A., M.A., University of California at Berkeley; Ph.D., University of California at Los Angeles; University of California at Santa Barbara.

GLEN LINDER, Assistant Director, Area Vocational-Technical School ............................................................... (1970)
B.S., University of Idaho.

HUGH T. LOVIN, Professor of History ................................................................................................................... (1965)
B.A., Idaho State College; M.A., Washington State University; Ph.D., University of Washington.

MICHAEL T. LYON, Assistant Professor of Business Administration ..................................................................... (1970)
B.B.A., University of New Mexico; M.B.A., University of California at Berkeley.

ROBERT LUKE, Assistant Professor of Physics ........................................................................................................ (1968)
Diploma, Ricks College; B.S., M.S., Ph.D., Utah State University.

RUTH McBRINNEY, Associate Professor, Head Librarian ....................................................................................... (1940-42, 1953)
Boise Junior College; A.B., Whitman College; B.A. in Librarianship, University of Washington; Columbia University; University of London, University of California at Berkeley; Rutgers University.

ANGUS McDONALD, Professor of Teacher Education ............................................................................................ (1968)
B.A., College of Idaho; M.A., Colorado State University; Ed.D., University of Maryland; Stanford University; Claremont Graduate School; University of Idaho Graduate School.

ROBERT L. McDOWELL, Assistant Professor, Technical Services Librarian ....................................................... (1963)
B.G.E., Omaha University; M.A., University of the Americas, Mexico (D.F.); M.A. in Librarianship, San Jose State College; University of Alabama; University of Maryland.

SHERRY McGUIRE, Assistant Professor of English ............................................................................................... (1967)
B.A., University of Idaho; M.A., Washington State University.
JEAN MacINNIS, Instructor in Dental Assisting (1962)
C.D.A., University of North Carolina; Boise Junior College; Idaho State University.

JAMES HENRY MAGUIRE, Assistant Professor of English (1970)
B.A., University of Colorado; M.A., Ph.D., Indiana University.

GILES MALOOF, Professor of Mathematics; Dean, Graduate School; Chairman, Department of Mathematics (1968)
B.A., University of California; M.A., University of Oregon; Ph.D., Oregon State University; San Bernardino Valley Junior College.

DARWIN W. MANSFIELD, Assistant Professor of Office Administration (1970)
B.A., Northwest Nazarene College; M.S., Utah State University; Boise Junior College; University of Idaho; Washington State University.

RUTH A. MARKS, Assistant Professor of Teacher Education (1970)
B.A., Northwest Nazarene College; M.Ed., College of Idaho; Ed.D., Colorado State College.

CLYDE M. MARTIN, Associate Professor of Teacher Education; Chairman, Department of Teacher Education, and Assistant Dean, School of Education (1970)
B.A., Linfield College; M.A., University of Oregon; Ed.D., Oregon State University.

JACQUELINE MASON, Consulting Professor of Nursing (1972)
B.A. in Nursing, University of Oregon; M.A. in Public Health Services, University of California, Los Angeles.

CONSTANCE MATSON, Instructor in Nursing (1968)
B.S., University of Oregon.

EMERSON MAXSON, Assistant Professor of Data Processing (1968)
A.S., Boise Junior College; B.S., M.B.A., University of Colorado.

WILLIAM P. MECH, Assistant Professor of Mathematics, Director of Honors Program (1970)
B.A., Washington State University; M.S., Ph.D., University of Illinois.

JOHN J. MEDLIN, Assistant Professor of Accounting (1970)
B.S., Idaho State University; M.B.A., University of Denver; C.P.A.

GLORIA J. MERRILL, Instructor, Assistant Catalog Librarian (1971)
B.A., Boise College; M.L.S., University of Washington.

CARROLL J. MEYER, Associate Professor of Music (1948)
B.M., University of Michigan; Pupil of Ethel Leginska and Cecile de Horvath; M.A., University of Iowa; Elkader Junior College.

FLORENCE M. MILES, Professor of Nursing; Chairman, Department of Registered Nursing and Health Services (1955)
Diploma, School of Nursing, St. Luke’s Hospital; B.S.N.E., M.N., University of Washington; University of California at Los Angeles; Lewis-CClark Normal School.

BEVERLY MILLER, Assistant-Professor, Circulation Librarian (1968)

GILBERT Mc Donald MILLER, Director, Area Vocational-Technical School (1969)
Idaho State University.

ROBERT T. MILLER, Professor of Business Administration (1963)
B.S., University of Oregon; LL.B., Columbia University; University of Idaho; J.D., Columbia University.

JOHN W. MITCHELL, Assistant Professor of Economics (1970)
B.A., Williams College; M.A., Ph.D., University of Oregon.

POLLY K. MOORE, Assistant Professor of Home Economics (1972)
B.S., M.S., Ph.D., Pennsylvania State College.

JON L. MORGAN, Assistant Professor of Art (1971)

GARY R. NEWBY, Associate Professor of Physics; Chairman, Department of Physics, Engineering and Physical Science (1966)
B.S., Ph.D., Arizona State University.

CLAYTON R. NICHOLS, Assistant Professor of Geology (1970)
B.S., M.S., Ph.D., University of Oklahoma.

DAVID E. NICKEL, Assistant Football Coach (1968)
A.A., College of San Mateo; B.S., Utah State University; University of California at Berkeley.

ROSS S. NICKERSON, Instructor in English (1969)
B.A., Boise State College; M.A., University of Utah.

DONALD OAKES, Assistant Professor of Music; Associate Department Chairman (1966)
B.M., M.M., Northwestern University; University of Oregon.

DONALD J. OBEY, Professor of Botany; Chairman, Department of Biology (1946)
B.A., M.A., Ph.D., University of Kansas; Oregon State University; University of Oregon School of Marine Biology; Arizona State University; University of North Carolina.

DIANA OBENAUER, Instructor in Registered Nursing (1970)
B.S., Sacramento State College.

F. DENIS OCHI, Instructor in Art (1971)

JOHN T. OGDEN, Instructor in Welding (1965)
Diploma, Boise Junior College; Navy Training School; Special Training and Experience in Welding.

DAVID L. ORANGE, Associate Professor of Art (1964)
B.S., M.S., M.F.A., University of Wisconsin; Summer School of Painting at Satutuck, Michigan.

PATRICIA K. OURADA, Associate Professor of History (1962)
B.A., College of Saint Catherina; M.A., University of Colorado; University of Laval; University of Michigan; University of Oklahoma.

WILLARD D. 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.

JAMES K. OWENS, Associate Professor of General Business (1971)
B.B.A., M.B.A., West Texas State University; D.B.A., Harvard University; Indiana University.

NELDON D. OYLER, Instructor in Horticulture (1966)
A.A., Snow College; B.S., Brigham Young University.

HERBERT D. PAPENFUSS, Associate Professor of Botany (1967)
B.S., University of Utah; M.S., Brigham Young University; Ph.D., Colorado State University.
### Boise State College Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>RICHARD D. PAYNE</td>
<td>Assistant Professor of Economics</td>
<td>B.A., Utah State University; M.A., University of Southern California; Ph.D., University of Southern California.</td>
</tr>
<tr>
<td>LOUIS A. PECK</td>
<td>Professor of Art; Chairman, Department of Art</td>
<td>B.A., College of Idaho; University of California, Santa Barbara; M.S., Utah State University; Rex Brandt School of Art; Ph.D., University of Idaho.</td>
</tr>
<tr>
<td>MARGARET PEEK</td>
<td>Assistant Professor of English</td>
<td>B.A., University of Alaska; M.A., University of Nebraska.</td>
</tr>
<tr>
<td>AVERY F. PETERSON</td>
<td>Assistant Professor of Political Science</td>
<td>B.F.S., Georgetown University; Graduate, National War College; University of Idaho; American Foreign Service Career and Deputy Assistant Secretary of State; University of British Columbia.</td>
</tr>
<tr>
<td>DIANA L. PETERSON</td>
<td>Instructor in Nursing</td>
<td>B.S.N., University of Portland; M.S.N., University of Utah.</td>
</tr>
<tr>
<td>DAVID R. PETERSON</td>
<td>Assistant Professor of Mathematics</td>
<td>B.A., Ryon College; M.S., Ph.D., Michigan State University.</td>
</tr>
<tr>
<td>ELLIS RAY PETERSON</td>
<td>Associate Professor of Chemistry</td>
<td>B.S., M.S., Utah State University; Ph.D., Washington State University.</td>
</tr>
<tr>
<td>CHARLES PHILLIPS</td>
<td>Professor of General Business; Chairman, Department of General Business</td>
<td>A.B., De Pauw University; M.A., Ph.D., University of Iowa.</td>
</tr>
<tr>
<td>JOHN L. PHILLIPS, JR.</td>
<td>Professor of Psychology; Chairman, Department of Psychology</td>
<td>B.A., M.A., Reed College; Ph.D., University of Utah; University of Idaho; Beloit College; University of Washington; University of California.</td>
</tr>
<tr>
<td>C. HARVEY PITMAN</td>
<td>Associate Professor of Communication, Debate</td>
<td>B.A., College of Idaho; M.Ed., Washington State University.</td>
</tr>
<tr>
<td>VERNON E. QUALMAN</td>
<td>Instructor in Vocational-Technical Education</td>
<td>(1969)</td>
</tr>
<tr>
<td>DENNIS CHARLES QUINOWSKI</td>
<td>Vocational Counselor</td>
<td>B.S.Ed., Southern Oregon College.</td>
</tr>
<tr>
<td>DAVID W. RAYBORN</td>
<td>Assistant Professor of Communication</td>
<td>B.A., Idaho State University; M.S., Southern Illinois University.</td>
</tr>
<tr>
<td>GERALD R. REED</td>
<td>Associate Professor of Education; Director of Special Projects</td>
<td>B.S., University of Wyoming; M.Ed., University of Idaho; Ed.D., Washington State University.</td>
</tr>
<tr>
<td>LYNN RENTON</td>
<td>Instructor in English</td>
<td>A.A., Boise College; B.A., M.A., Washington State University.</td>
</tr>
<tr>
<td>GEORGE F. ROBERTS</td>
<td>Instructor in Art</td>
<td>B.A., San Diego City College; M.A., M.F.A., University of Iowa.</td>
</tr>
<tr>
<td>ELAINE ROCKNE</td>
<td>Instructor in Medical Records Technology</td>
<td>B.A., College of St. Scholastica, Duluth, Minnesota.</td>
</tr>
<tr>
<td>KATHARINE B. RODRIGUE</td>
<td>Instructor in Foreign Languages</td>
<td>B.A., Duke University; University of Paris; M.A., University of Wisconsin.</td>
</tr>
<tr>
<td>DANIEL D. RUSSELL</td>
<td>Assistant Professor of Music</td>
<td>B.A., University of Washington; M.M., University of Oregon.</td>
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<tr>
<td>JAMES RUSSELL</td>
<td>Instructor in Art</td>
<td>A.B., San Diego State College; M.A., M.F.A., University of Iowa.</td>
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<tr>
<td>RICHARD K. SANDERSON</td>
<td>Assistant Professor of English</td>
<td>B.A., University of California, Berkeley; M.A., Ph.D., New York University.</td>
</tr>
<tr>
<td>MURRAY SATTERFIELD</td>
<td>Instructor in Physical Education and Head Basketball Coach</td>
<td>B.S., University of Utah.</td>
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<tr>
<td>MARTIN W. SCHEFFER</td>
<td>Assistant Professor of Social Sciences</td>
<td>A.A., Diable Valley College; B.S., M.S., University of Oregon; Ph.D., University of Utah.</td>
</tr>
<tr>
<td>JACK ALBERT SCHLAEFLE</td>
<td>Assistant Professor of Education; Director, Educational TV</td>
<td>B.A., Colorado State College; M.A., University of Colorado.</td>
</tr>
<tr>
<td>DUSTON R. SCUDDER</td>
<td>Associate Professor of Marketing</td>
<td>B.S. in Business Administration, M.A., University of Denver; Ed.D., Oregon State University; University of Colorado; Colorado State University.</td>
</tr>
<tr>
<td>GLENN E. SELANDER</td>
<td>Assistant Professor of English</td>
<td>B.S., Southernwestern University; M.A., Utah State University.</td>
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<tr>
<td>JOHN E. SEVERANCE</td>
<td>Assistant Professor of Engineering</td>
<td>B.S., University of Idaho; M.S., University of Arizona.</td>
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<tr>
<td>JOHN H. SEWARD</td>
<td>Assistant Professor of History</td>
<td>B.A., Morningside College; M.A., Moorhead State College, Minnesota; North Dakota State University; Midwestern University, Texas.</td>
</tr>
<tr>
<td>WILLIAM E. SHANKWEILER</td>
<td>Professor of Theatre Arts; Associate Dean, School of Arts and Sciences</td>
<td>B.F.A., M.F.A., Goodman Memorial Theater; Ph.D., University of Denver.</td>
</tr>
<tr>
<td>MELVIN L. SHELTON</td>
<td>Assistant Professor of Music</td>
<td>B.M., Wichita State University; Boise College; M.M., University of Idaho.</td>
</tr>
<tr>
<td>BETTY P. SHOWMAKER</td>
<td>Coordinator of Adult Basic Education</td>
<td>B.S., Lindenwood College for Women; M.S., University of Idaho.</td>
</tr>
<tr>
<td>WILLIAM R. SICKLES</td>
<td>Professor of Psychology</td>
<td>B.A., Wittenberg University; M.A., Columbia University; Ph.D., University of California at Berkeley.</td>
</tr>
<tr>
<td>DONALD J. SIEBER</td>
<td>Instructor in Electronics</td>
<td>U.S. Army Signal Corps; Burroughs Corporation; Montronics; Philco Corporation.</td>
</tr>
<tr>
<td>ROBERT CARL SIMS</td>
<td>Assistant Professor of History</td>
<td>B.A., Northeastern Oklahoma State College; M.A., University of Oklahoma; Ph.D., University of Colorado.</td>
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<tr>
<td>WILLIAM G. SKILLERN</td>
<td>Associate Professor of Political Science</td>
<td>B.S., Linfield College; M.S., University of Oregon; Ph.D., University of Idaho.</td>
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<td>Computer Science</td>
<td>Education; Director, Educational TV</td>
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<td>English</td>
<td>Foreign Languages</td>
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BOISE STATE COLLEGE
Faculty

ARDY R. SKOV, Assistant Professor of Art .......... (1967)
A.A., Boise Junior College; B.A., M.F.A., University of Idaho.

FRANK H. SMARTT, Assistant Professor of Mathematics ................................ (1958)

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.

JASON W. SMITH, Instructor in Archaeology........... (1971)
B.A., California State College, Los Angeles; University of Calgary.

LYLE SMITH, Professor of Physical Education,
Director of Athletics ........................................ (1946)
B.S.(Ed.), M.S.(Ed.), University of Idaho; San Diego State College.

MARK E. SNOW, Assistant Professor of Psychology ...(1971)
B.A., Eastern Washington College of Education; M.A., Ph.D., University of Utah.

CLAUDE SPINOSA, Assistant Professor of Geology .......... (1970)
B.S.S., City College of New York; M.S., Ph.D., The University of Iowa.

JOSEPH B. SPULNIK, Professor of Chemistry; Dean,
School of Arts and Sciences .......................... (1941)
B.S., M.S., Ph.D., Oregon State University; Reed College; Portland State College.

FRANK W. STARK, Associate Professor of Chemistry
and Physical Science ........................................ (1957-62, 1967)
B.S., M.S., Trinity College; University of Denver.

ROBERT A. SULANKE, Assistant Professor of Mathematics .......... (1970)
B.A., Earlham College; M.S., Case Institute of Technology; Ph.D., University of Kansas.

ROBERT B. SYLVESTER, Assistant Professor of History .......... (1963)
A.A., Boise Junior College; B.A., M.A., University of California at Santa Barbara.

YOZO TAKEDA, Associate Professor of Mathematics ........ (1969)
B.S., University of Michigan; M.A., University of Missouri; Ph.D., University of Idaho.

JOHN T. TAKEHARA, Associate Professor of Art .......... (1968)
B.A., Walla Walla College; M.A., Los Angeles State College.

STANTON D. TATE, Coordinator—Student Relations ........ (1970)
B.A., University of Idaho; M.Div., Princeton Seminary; Institute for Advanced Pastoral Studies; Claremont Men's College; National College of Juvenile Justice.

ROBERT W. TAYLOR, Instructor in Criminal Justice ....... (1970)
B.A., Boise State College; M.A., California State College; Grossmont Junior College.

WILLIAM K. TAYLOR, Associate Professor of Music .......... (1971)
B.M., Cornell College; M.M., Indiana University.

ALBERT H. TENTHISON, Instructor in Vocational-
Technical Related Subjects ......................... (1966)
B.A., College of Idaho; M.A., University of Idaho.

NAN M. THOMASON, Instructor in Nursing ............... (1967)
R.N., St. Luke's Hospital; B.S., Montana State University.

CONNIE M. THORNGREN, Instructor in Physical Education ........ (1970)
B.A., Idaho State University; Central Washington State College.

STEVEN DAVID THURBER, Assistant Professor of Psychology ........ (1970)
B.S., M.S., Brigham Young University; Ph.D., University of Texas, Austin.

CARL W. TIPTON, Assistant Professor of Management .......... (1965)
Iowa Wesleyan College; University of Washington; George Washington University; M.B.A., University of Chicago; University of Idaho; College of William and Mary.

JAMES W. TOMPKINS, Assistant Professor of Vocational Technical Related Subjects ........ (1963)
A.B., Wheaton College; B.D., Th.B., Westminster Theological Seminary; University of Pennsylvania; Harvard University.

DAVID P. TORRETT, Professor of Psychology, Director of Counseling Guidance and Testing Center .... (1966)
B.S., Pacific University; M.A., University of Oregon; Ph.D., University of Colorado.

DEAN C. TOWNSEND, Assistant Professor of English .......... (1970)
B.A., University of California at Berkeley; M.A., San Francisco State College; University of California, Santa Barbara; San Jose State College.

WARREN TOZER, Assistant Professor of History .......... (1969)

SHEILA REIHING TRUBY, Instructor in Nursing .......... (1968)
B.S., State University College of Education.

ANTHONY THOMAS TRUSKY, Instructor in English .......... (1970)
B.A., University of Oregon; M.A., Northwestern University; Trinity College.

JERRY L. TUCKER, Assistant Professor of Education .......... (1971)
B.S., M.N.S., University of Idaho; Ph.D., University of Washington.

LLOYD D. TUCKER, Associate Professor of Mathematics .......... (1969)
B.A., M.S., Southern Illinois University; Ph.D., University of Oregon.

U, V

T. W. UNDERKOFLER, Associate Professor of Accounting ........ (1952)
B.A., Nebraska Wesleyan University; University of Chicago; University of California, Los Angeles; University of Southern California; San Jose State College; Brigham Young University.

LUIS J. VALVERDE, Associate Professor of Foreign Language .......... (1965)
B.A., M.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.

WARREN VINZ, Associate Professor of History, Chairman,
Department of History .................. (1968)
Lincoln College; B.A., Sioux Falls College; B.D., Berkeley Baptist Divinity; M.A., Ph.D., University of Utah.

W

JAMES B. WAGSTAFF, Assistant Football Coach .......... (1969)
B.A., Idaho State University; M.S., Utah State University.

LARRY LEE WALDORF, Assistant Professor of General Business ........ (1970)
B.S., M.S., Colorado State University; Ph.D., Colorado State University.

EUNICE WALLACE, Associate Professor of English .......... (1968)
B.A., College of Idaho; Ed.D., Ph.D., Oregon State University; University of California; American University; Idaho State University.

GERALD R. WALLACE, Professor of Education; Dean,
School of Education .................. (1968)
B.A., College of Idaho; M.A., University of California; Ed.D., University of Oregon; Whitman College; Colorado State College; Oxford University.
FREDERICK R. WARD, Assistant Professor of Mathematics (1969)
B.S., William and Mary; M.S., University of Colorado; Ph.D.,
Virginia Polytechnic Institute.

KATHLEEN C. WARNER, Assistant Professor of English (1966)
B.A., University of Nevada; M.A., Arizona State University;
Indiana University.

MONT M. WARNER, Professor of Geology (1967)
A.B., M.A., Brigham Young University; Ph.D., State
University of Iowa; University of Utah; Cambridge University.

JOHN E. WARWICK, Associate Professor of Communication (1963)
B.E.(Ed.), Quincy College, Illinois; M.F.A., Catholic University
of America.

TARMO WATIA, Assistant Professor of Art (1969)
B.S., M.F.A., University of Michigan.

LOUISE WEITMAN, Instructor in English (1969)
A.B., Northwest Nazarene College; M.A., University of
Washington.

E. ALLEN WESTON, Associate Professor of Drafting-Design (1964)
B.F.A., University of Arizona; Jefferson Machamer School
of Art; Art Center School; USA Engineering Drafting School;
College of Idaho.

WAYNE E. WHITE, Associate Professor of Business Administration (1965)
B.S., Northern Arizona University; M.A., Arizona State University;
University of Arizona; Wichita State University.

THOMAS W. WILBANKS, Assistant Professor of English (1969)
B.A., Trinity University; M.Div., Princeton Theological
Seminary; Th.M., Louisville Presbyterian Theological Seminary;
Hebrew Union College; University of New Mexico.

IRENE A. WILCOX, Assistant Professor of Social Work (1966)
B.A., University of Utah; Howard University; M.S.W.,
Washington University, St. Louis, Missouri.

EDWIN E. WILKINSON, Associate Professor of Psychology, Dean of Men (1958)
B.A., Whitworth College; M.S., Washington State University;
University of Oregon; University of Akron.

MARJORIE WILLIAMSON, Assistant Professor of Office Administration (1967)
B.S.(Ed.), University of Kansas; M.B.(Ed.), University of
Idaho; Washington State University.

LONNIE L. WILLIS, Assistant Professor of English (1970)
B.A., North Texas State; M.A., University of Texas; Ph.D.,
University of Colorado.

DARRELL C. WILSON, Professor of Political Science (1967)
B.S., Lewis and Clark College; M.A., Ph.D., University of
Oregon.

MONT D. WILSON, Associate Professor of Geology (1969)
B.S., Brigham Young University; M.N.S., Ph.D., University
of Idaho.

PETER KLEIN WILSON, Professor of Business Administration (1966)
B.A., University of Illinois; J.D., Northwestern University.

ELLA MAE WINANS, Associate Professor of Mathematics (1958)
B.S., University of Oregon; M.S., New York University; Idaho
State University.

JAMES R. WOLFE, Associate Professor of Education,
Director, Extended Day and Summer Sessions (1960)
B.S., M.B.A., Indiana University; University of California
at Berkeley; Idaho State College; Stanford University;
Michigan State University.

BOYD WRIGHT, Instructor in Art (1970)
B.F.A., Utah State University; M.F.A., University of Idaho.

GILBERT A. WYLLIE, Associate Professor of Biology (1965)
B.S., College of Idaho; M.A., Sacramento State College;
Ph.D., Purdue University.

EMERITI

WILLIAM S. BRONSON, Professor of Psychology (1954-1970)

ELSIE BUCK, Professor of Mathematics (1932-34, 1937-68)

VINA BUSHBY, Associate Professor of Secretarial Science (1946-65)

EUGENE B. CHAFFEE, President (1932-1967)

CLISBY T. EDELEFSEN, Professor of Business (1939-69)

LUCILLE T. FORTER, Instructor in Voice (1932-62)

JOHN F. HAGER, Associate Professor of Machine Shop (1954-69)

ADA Y. HATCH, Professor of English (1932-67)

KENNETH L. HILL, Associate Professor of Education (1962-70)

CAMILLE B. POWER, Associate Professor of Spanish & French (1932-35, 1936-51, 1954-67)

HAZEL MARY ROE, Associate Professor of Office Administration (1942-44, 1947-69)

HAROLD SNELL, Assistant Professor of Auto Mechanics (1958-69)

LYLE F. TRAPP, Assistant Professor of Auto Body (1953-67)

HELEN WESTFALL, Associate Professor of Physical Education (1962-70)
GLOSSARY

The following terms are explained in the special meaning defined by this institution. References are to more detailed descriptions or further explanations of the use of the term within the catalog.

ACADEMIC DISQUALIFICATION
Refusal of permission for a student to register if, after a reasonable period of academic probation, a student's academic work indicates that he cannot continue in the college with profit to himself and credit to the institution. See Academic Regulations, Part II.

ACADEMIC PROBATION
The student whose academic work is not satisfactory may be placed on probation. Satisfactory academic performance means the orderly progression toward graduation maintaining a cumulative grade point average of 2.0 or better. See Academic Regulations, Part II.

ACCREDITED
Certified as fulfilling standards or requirements. Accreditation means that the constituent parts of a college or university are satisfactory and that its courses are recognized as being equal to or compatible with those of other collegiate institutions.

ADMISSION
Official recognition of a student's authorization to register for courses offered by the college. A Certificate of Admission is issued to students who have fully matriculated see Admissions Requirement to the College, Section II.

ADVISOR
Each student is assigned a faculty advisor by the department offering the student's major. The advisor will study and sign proposed course schedules, will receive various student records, and issue mid-semester grades to the students.

ALUMNI
Individuals who have graduated from the institution upon successful completion of a specific curricula for which a degree, diploma, or certificate of completion is awarded and any former student who was regularly enrolled for at least two semesters and who was in good standing upon termination of enrollment.

APPEALS
A request for reconsideration of a ruling or decision in either an academic matter (see Academic Regulations, Part III) or in a matter related to student conduct (see Student Conduct, Part II).

AUDIT
Enrollment in a specific class for informational instruction only and for which the student receives no credit. Attendance, completion of assignments, and examinations are optional.

BACCALAUREATE
The bachelor degree. Boise State College offers five baccalaureates: Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, Bachelor of Music, and Bachelor of Fine Arts.

CCB
An abbreviation referring to Concentrated Course Blocks used in connection with Secondary Student Teaching. Students are scheduled to practice teaching one of four blocks of nine weeks each all day long. During the opposite block of a semester, special courses are made available depending on the student's major. See Part V. School of Education.

CREDENTIALS
Designated items required in connection with matriculation. Such items may include proof of graduation from high school, official transcripts, application form, entrance test scores, etc. See Admissions Requirements, Part II.

CREDITS
The credit allowed for course work is ordinarily based on one semester credit for one hour of class attendance a week for a period of one semester. Courses that require deviation from this general rule will indicate in the course description the number of hours per week required (laboratories, studio hours, etc.). Credits in Vocational-Technical programs are not normally transferable toward an academic degree.

CREDIT STATUS CODE (CSC)
This refers to the status under which the student is taking a course as follows:

1. Repeat (Improve D Grade)
2. Retake (Improve F Grade)
3. Audit
4. First Time Credit
5. Non-Credit (Gradeable)
6. Non-Credit (Non-Gradeable)

CURRICULUM
(Plural Curricula or Curriculums). The courses that are required leading to a specific degree or academic program objective. It may also refer to the complete list of courses offered by the institution.

GRADE POINT AVERAGE (GPA)
Grade points are a numerical value assignment for grades awarded as follows: For each credit of A, 4 grade points; for B, 3 grade points; for C, 2 grade points; for D, 1 grade point; for F, 0 points. The average is computed by dividing the total grade points received by the total credits attempted in a semester. A cumulative grade point average is the total grade points on a student's record divided by the total hours he has attempted.

GRADUATE CLASSIFICATION
Students admitted to Boise State College Graduate School may have one of three graduate classifications: Regular, provisional, or nongraded. Refer to Part VII Graduate School. Note that "Special Graduate" refers to a student with an earned baccalaureate not admitted to the BSC Graduate School.

MATRICULATION
Matriculation is the processing of all required items necessary for regular enrollment as a full-time student at Boise State College. Matriculation is required of all students carrying eight or more hours, including repeats, retakes, audits, non-credit equivalents. Students carrying seven or fewer hours are not required to be fully matriculated. See Admission Requirements to the College, Part II.
REGISTRATION

The process of registration results in completed enrollment in a class or course of instruction. For each semester or term offered at the college, a separate Registration Information Bulletin is published with detailed instructions on courses being offered and the procedures followed.

REPEAT

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

RESIDENCE

The legal residence of a student who is under the legal voting age shall be considered the same as that of his parents (or surviving parent or guardian). Adults, to be classified as residents of Idaho, must have been domiciled within the State of Idaho for not less than six consecutive months exclusive of full time enrollment, i.e., eight or more semester hours per semester. See Residence, Part I, General Information.

RETAKE

A retake is a student's re-enrollment in a class for which he has previously failed and not received credit.

STUDENT STATUS

Students are classified as Freshmen (from 0 semester credits through 25), Sophomores (from 26 semester credits through 57), Juniors (from 58 semester credits through 89), and Seniors (90 semester credits and over but have not received bachelor's degree). Other classifications include Special Graduate (have received a bachelor's degree) and Graduate Student (further classified in regular, provisional, or unclassified status). Students enrolled for eight semester hours or more (including repeats, retakes, audits, non-credit equivalents) will be considered full time. A student who is carrying less than eight credits but has met entrance requirements for regular students will be classified as a part time student. See Classification of Students, Part II; and Graduate Classification, Part VI.

TRANSCRIPT

A transcript is an official copy of the student's permanent record of academic achievement maintained by the Registrar.

TUITION

Tuition is a charge for instruction which is only assessed to nonresident students at Boise State College. Note that the institutional fee charged all students is not technically termed tuition. See Tuition and Fee Schedule, Part I, General Information.
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