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BOISE JUNIOR COLLEGE

BOISE, IDAHO

Vol. VIII

JUNE, 1939

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BOISE JUNIOR COLLEGE

BOARD OF TRUSTEES

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J. L. DRISCOLL

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J. J. CHAPMAN

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A.B., Occidental; M.A., University of California; George Washington University.

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A.B., Northwest Nazarene College; B.S., College of Idaho; M.S., University of Idaho; University of Washington.

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A.B., James Millikin University; M.A., University of Illinois; Diplome, Universite de Poitiers, Institut d'Etudes Francaises de Touraine, Tours, France; University of Chicago; University of Mexico.

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A.B., Whitman; M.S.(Ed.), University of Idaho.

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BOISE JUNIOR COLLEGE

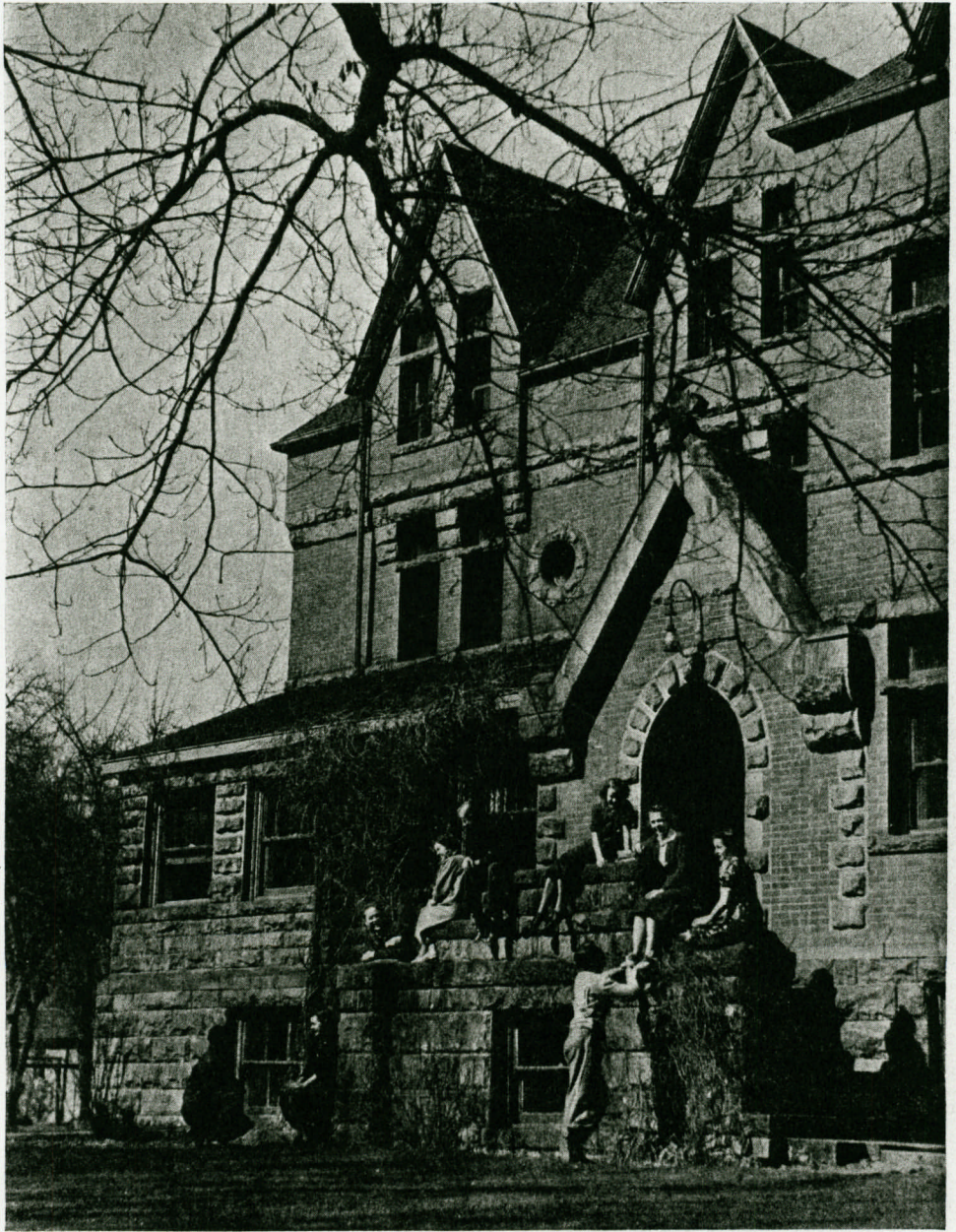
FACULTY

- NORMAN B. ADKISON *Psychology, Education* (1936)
B.S., University of Idaho; M.A., Columbia University; Cornell
University.
- BRUCE C. BUDGE *Zoology* (1937)
B.S., M.B., M.D., Northwestern University.
- O. D. COLE *Education* (1939)
B.S.(Ed.), M.S.(Ed.), University of Idaho.
- DOUGLAS B. CRUIKSHANK *Engineering, Mathematics, Physics* (1937)
B.S., M.S., University of Idaho.
- J. CALVIN EMERSON *Chemistry* (1933)
A.B., Northwest Nazarene College; B.S., College of Idaho; M.S.,
University of Idaho; University of Washington.
- ADA Y. HATCH *English* (1932)
A.B., M.A., University of Idaho; University of California; Uni-
versity of Chicago.
- MARY T. HERSHEY *Latin* (1934)
Moorhead, Minnesota, State Teachers' College; B.A., University
of Minnesota; University of Oregon.
- HARRY JACOBY *Coach, Physical Education* (1938)
B.S.(Ed.), University of Idaho.
- ROBERT E. LATIMORE *Forestry* (1939)
B.S. in Forestry, University of Washington.
- CONAN E. MATHEWS *Art* (1939)
Utah State Agricultural College; California School of Fine Arts;
University of California; Pupil of Birger Sandzen of Bethany Col-
lege of Fine Arts; Pupil of Hans Hoffman of Munich, Germany.
- BRUCE N. MCBANE *Chemistry* (1939)
B.S., College of Idaho.
- ELSIE J. MCFARLAND *Mathematics, German* (1932-34, 1937)
A.B., M.A., Ph.D., University of California; University of
Chicago.
- DWIGHT E. MITCHELL *English, Journalism* (1939)
B.A., University of Oregon; M.A., University of Washington;
Stanford University.

- CAMILLE B. POWER..... *French, Spanish* (1932-35, 1936)
 A.B., James Milliken University; M.A., University of Illinois;
 Diplome, Universite de Poitiers, Institut d'Etudes Francaises de
 Touraine, Tours, France; University of Chicago; University of
 Mexico.
- DALE WHITTEMORE..... *Women's Physical Education, Dramatics* (1939)
 B.Ed., State Teachers' College, St. Cloud, Minnesota; Univer-
 sity of Washington; Washington State College.
- *Business, Economics* (1939)
- *History* (1939)

DEPARTMENT OF MUSIC

- JAMES L. STRACHAN, Director..... *Theory, Organ, Piano* (1932)
 Mus.B., Oberlin College.
- KATHRYN ECKHARDT-MITCHELL..... *Violin* (1932)
 Institute of Musical Art, New York; Pupil of Franz Mairecher,
 Konzertmeister des Staatsoper, Meister Schule, Vienna, Austria.
- LUCILLE T. FORTER..... *Voice* (1932)
 Brenau College Conservatory, Georgia; Chicago Musical Col-
 lege; Pupil of Herbert Witherspoon; Pupil of Plunkett Greene,
 London; Pupil of Idelle Patterson, New York; Pupil of Charles
 Granville, Chicago.
- A. C. LANPHERE..... *Clarinet, Flute* (1936)
 Diploma of Music, Monmouth Conservatory; Pupil of L. Raquet,
 San Francisco; Pupil of A. Lindon, San Francisco.
- ROSAMOND SALISBURY..... *Theory, Cello* (1937)
 Mus.B., Oberlin College.
- *Public School Music* (1939)





PART I
GENERAL INFORMATION

Boise Junior College

HISTORY

In September of 1939-40 Boise Junior College begins its first academic year as a public institution. In February, 1939, an enabling act permitting the formation of junior college districts was passed by the legislature, and signed by the governor. In accordance with the provisions of this law, the qualified school electors of a district designated by the county commissioners of Ada County voted by a large majority in favor of the establishment of Boise Junior College district.

Boise Junior College was organized in the spring of 1932 in response to a demand for higher education in Boise. During the first two years, 1932-34, the college was sponsored by the Episcopal Church, with the Right Reverend Middleton S. Barnwell, Bishop of Idaho, as its first president. In June, 1934, in response to an appeal from Bishop Barnwell a board of public-spirited individuals assumed the responsibility of directing the school, and as a result a non-profit corporation was formed whose stockholders were Boise citizens interested in education. The buildings now housing the college had formerly been used for a girls' academy under the direction of the Episcopal Church. The Church generously donated the use of the buildings for the operation of the school.

THE PLAN

The program plans to meet the needs of those students who have graduated from high school and desire to continue their education with one of the following goals in view:

1. Those who plan to enter a senior college and need courses of a general preparatory nature;
2. Those who are interested in carrying their education a year or two beyond the high school level in preparation for immediate entrance into the general field of business and the professions;
3. Those who wish to enroll in regular classes as auditors and take courses without credit. Evening classes for such people have been organized, and as further demand arises others will be added.

THE PLANT

Boise Junior College is situated between First and Second on Idaho Street, and includes:

ST. MARGARET'S HALL—A three-story structure housing administrative and faculty offices, auditorium, library, class, and laboratory rooms.

BUCHAN HALL—A one-story building of classrooms.

TRINITY HALL—Chemistry lecture room and laboratory.

TALBOT GYMNASIUM—This structure, named in honor of Bishop Ethelbert Talbot, who founded St. Margaret's School, was erected in 1932 with

funds raised by citizens of Boise. It contains a standard gymnasium floor, with locker and shower rooms for both men and women.

THE LIBRARY—The library is open fifty-three hours weekly, and all books are easily accessible on the open shelf. Periodicals and daily newspapers are regularly received. The college library consists of approximately 4,000 volumes. Further library facilities in Boise are available to college students through the courtesy of the Carnegie and State libraries.

CULTURAL ADVANTAGES

The Junior College is located in the state capital, where students have the opportunity of observing the operation of the state government and many phases of federal government.

Boise enjoys a mild climate, and is a city of beautiful homes. There are splendid hotel facilities, many wide-awake civic organizations, churches of all the leading denominations, two radio stations, two well-equipped hospitals, an art museum, a state library of 40,000 volumes, and a Carnegie library of approximately 50,000 volumes. Boise is favored by membership in the Community Concert Series, featuring artists of national and international fame. The Community Concert Association brings to Boise five outstanding musical attractions each year. A student may obtain a membership in this organization for \$3.00. Some of the artists appearing in the past years are Jose Itrubi, Kathryn Meisle, London String Quartet, Albert Spalding, Nelson Eddy, Bartlett & Robertson, Tito Schipa, Lawrence Tibbett, Moscow Cathedral Choir, Jascha Heifetz, Carola Goya, Lotte Lehmann, Gregor Piatigorsky, Vienna Choir Boys, Richard Crooks, Jooss Ballet, Wilbur Evans, Mischa Elman, Gordon String Quartet, La Meri, Helen Jepson, Vronsky & Babin. A number of other fine concerts are given by local organizations throughout the year. The College Choir and ensemble groups this year made a spring tour covering Western Idaho and Eastern Oregon.

SCHOLARSHIPS TO HIGH SCHOOL STUDENTS

The American Association of University Women awards yearly a scholarship to some girl in the graduating class of Boise High School. The choice is made by a committee composed of members of the Association who are also members of Boise High School faculty, and three members appointed. In making awards, scholarship and need are considered.

The Exchange Club of Boise gives two full scholarships yearly to worthy students, who may be either entering freshmen or sophomores.

The Kiwanis Club each year designates two young men, graduates of Boise High School, to receive scholarships of \$30 each. It is designed to help worthy students who must work to earn part of their tuition while in college.

Pioneer Chapter, Daughters of the American Revolution, is granting a scholarship of \$50 for the year 1939-40 to a girl graduate of Boise High School.

A scholarship of \$50 is granted by the Provident Federal Savings and Loan Association of Boise with the recipient selected on the basis of an essay contest participated in by Boise High School seniors.

A two-year scholarship is given by the Junior Columbian Club to a girl graduate of Boise High School.

SCHOLARSHIPS TO GRADUATES OF THE JUNIOR COLLEGE

The American Association of University Women awards a scholarship of \$250 to a young woman graduate of Boise Junior College who will attend the University of Idaho. The selection is made by a committee composed of the women members of Boise Junior College faculty who are also members of the Association, and three other members appointed by the President.

Whitman College offers one full scholarship, for the junior year, to a candidate selected by that institution from the graduating class of Boise Junior College.

Occidental College grants a scholarship each year to some student selected from the graduating class of Boise Junior College.

The above three scholarships are awarded at commencement.

SCHEDULE OF FEES

(Payable in Advance)

Tuition:

DISTRICT RESIDENT—

Regular Students (per term)	\$16.67
Part-time Students (per term credit hr.)	1.50
(10 credits or less)	

ADA COUNTY RESIDENT:

Regular Students (per term)	25.00
Part-time Students (per term credit hr.)	2.25
(10 credits or less)	

NON-RESIDENT—

Regular Students (per term)	40.00
Part-time Students (per term credit hr.)	3.50
(10 credits or less)	

General Deposit:

Paid by all students who enroll. Against this deposit is charged laboratory breakage, library fines, and damage to or loss of college property. The unused balance is refundable upon official withdrawal from college or completion of academic work. . . . 5.00

General Fees:

Chemistry, Physics, Botany, or Zoology Laboratory (per laboratory credit hour per term).....	\$1.50
Psychology Laboratory (per term).....	1.00
Engineering Drawing Laboratory (per term).....	2.00
Contemporary Civilization (Hist. 11, 12, 13) (per term).....	1.00
Studio Art (per credit hour per term).....	1.00
Physical Education (per term).....	.25
A Cappella Choir (per term).....	.35
Vocal or Instrumental Ensemble (per term).....	.35
Orchestra (per term).....	.35

Student Body Fee:

Sponsoring athletics, entertainment, dramatics, publications, glee club, health, and other activities the Student Executive Board decides to include (per term).....	5.00
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Special Fees:

Late Registration Fee.....	2.00
Final Examination at other than Scheduled Time.....	1.00
Graduation Fee.....	3.00
Transcript: One sent free; extras, each.....	1.00

Applied Music:

Piano—One lesson weekly (per lesson).....	1.50
Organ—One lesson weekly (per lesson).....	1.50
Rental of organ for practice (per hour).....	.25
Voice—One lesson (half hour) weekly.....	1.50
Two lessons (half hour) weekly.....	3.00
Class lessons (one per week) (per term).....	5.00
Violin and Cello—One lesson weekly (per lesson).....	1.25

REFUNDS

Students who withdraw from the College during the first six weeks of a term will be entitled to receive the following refund on tuition, general fees, and student body fees, paid for that term:

If withdrawal is made within the first two weeks of a term, 75% will be refunded; after two weeks and within four weeks, 50%; after four weeks and within six weeks, 25%; after six weeks, no refund will be allowed.

Application for refund must be made to the Bursar at the time of withdrawal and within the time limits mentioned.

Refunds in Applied Music will be arranged with the instructor concerned.



THE A CAPPELLA CHOIR
BOISE JUNIOR COLLEGE

PART II

**ADMISSION REQUIREMENTS
REGULATIONS
GRADUATION**

ADMISSION REQUIREMENTS

Applicants for admission must be at least 16 years of age and must present satisfactory evidence of good moral character.

CREDENTIALS—Students applying for admission to the Junior College are required to furnish credentials as follows:

- (a) An original transcript of high school credits signed by the principal, superintendent, or other authorized official.
- (b) Official transcripts and statements of honorable dismissal from each institution attended after high school graduation.
- (c) Personal data on the regular application-for-admission blanks.

Blanks for furnishing personal data may be obtained on application to the registrar. High school, normal and college records should be furnished on the transcript blank of the institution at which the work was taken. All credentials should be sent direct to the Registrar of the Junior College at Boise, Idaho, not through the student. Prompt attention to these details will avoid delay in registration.

PERMITS TO REGISTER—Applicants for admission whose credentials have been accepted will be given permission to register for the following term. Applicants will be saved much inconvenience and uncertainty if all their credentials are received by the Registrar in sufficient time for the settlement of any question through correspondence and the receiving of permits to register before the proposed date of admission.

ADMISSION AS REGULAR STUDENTS

BY CERTIFICATE—Admission to the Junior College is based upon credentials showing:

- (a) Graduation from an accredited four-year high school and presentation of fifteen acceptable units (Plan I), or
- (b) Graduation from an accredited three-year senior high school and presentation of twelve acceptable credits (Plan II).

A "unit" represents a high school subject taught five times a week in periods of not less than 40 minutes' duration (laboratory 80) for a school year of at least 36 weeks. Uniform Certificate of Secondary School Record 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 grade of scholarship attained, including a record of all failures and conditions. All certificates accepted toward admission to the Junior College become the property of the Junior College, and are permanently filed among its records. They can not be returned to the student, but certified copies will be issued if needed.

Academic units shall be defined as English (composition and literature), foreign language, mathematics, social science, 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) Military drill, spelling, penmanship, reviews, project work in conjunction with regular courses, and work which is primarily of the nature of extra-curricular 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.

Requirements for admission to the Junior College are listed in the table below. Students planning to attend Senior College after completing work in the Junior College must present evidence of having had the high school courses listed under the title of the proposed Senior College course. (See tables below.)

PLAN I

Graduation from an Accredited Four-Year High School and Presentation of Fifteen Acceptable Units

The specific requirements and apportionment of required and elective units for entrance to the various divisions of proposed Senior College or Four-year College courses are shown below:

PLAN I

	Junior College	Senior Colleges			Four-Year Colleges					
		Letters and Science	Law	Business	Agriculture	Engineering	Mines	Forestry	Pharmacy	Education†
English.....	3	3	3	3	3	3	3	3	3	..
Modern Language or Latin.....	2	2	2	2	2	2	2	2	2	..
Social Science.....	2	2	2	2	2	2	2	2	2	..
Mathematics—Algebra.....	1	1	1	1	1	1	1	1	1	..
Plane Geometry.....	1	1	1	1	1	1	1	1	1	..
Advanced Algebra.....	..	..	..	..	..	..	..	..	..	..
Solid Geometry.....	..	..	..	..	..	..	..	..	..	..
Natural Science (unspecified).....	2	2*	2	2	2*	..	..	2*	2	..
Physics.....	..	..	..	..	..	1	1	..	..	..
Unspecified Academic Units.....	2	..	..	..	..	..	..	..	..	..
TOTAL ACADEMIC UNITS.....	11	11	11	11	9	10	10	9	9	..
Additional Academic, Vocational or Electives.....	4	4	4	4	6	5	5	6	6	..
TOTAL UNITS REQUIRED.....	15	15†	15†	15†	15	15	15	15	15	..

* It is highly recommended that one of these units be physics.
 † Two years of college are required before entering these specific schools.
 ‡ Admission to Education Department is granted upon presentation of evidence of having graduated from a high school accredited by Idaho State Board of Education.

PLAN II

**Graduation from Accredited Senior High Schools Organized
on the 6-3-3 Plan**

1. Full admission to all divisions of the Junior College shall be based upon 12 units completed in Grades X, XI, and XII.

2. Of the 12 units accepted for admission not to exceed three units may be non-academic. The academic units shall consist of a major (three units) and two minors (two units each) or four minors.

3. Specific requirements for admission to the various divisions are shown below:

PLAN II

	Junior College	Senior Colleges			Four-Year Colleges					
		Letters and Science	Law	Business	Agriculture	Engineering	Mines	Forestry	Pharmacy	Education†
English.....	2	2	2*	2	2	2	2	2	2	..
Modern Language or Latin.....	1	1	1	1	1	1	1	1	1	..
Social Science.....	1*	1*	1*	1*	1*	1*	1*	1*	1*	..
Mathematics—Algebra.....	1	1	1	1	1	1	1	1	1	..
Plane Geometry.....						1/2				..
Advanced Algebra.....						1/2				..
Solid Geometry.....						1/2				..
Natural Science (unspecified).....	1	1†	1	1	1†				1†	..
Physics.....						1	1			..
Unspecified Academic Units.....	4-3	1-3	1-3	1-3	3-4	2-3	2-3	3-4	3-4	..
TOTAL ACADEMIC UNITS.....	9	9	9	9	9	9	9	9	9	..
Additional Academic, Vocational or Electives.....	3	3	3	3	3	3	3	3	3	..
TOTAL UNITS REQUIRED.....	12	12	12	12	12	12	12	12	12	..

* One unit may be earned in Junior High School in which case, however, the unit shall not count as one of the nine academic units required of Senior High Schools.

† Physics is especially recommended.

‡ Graduation from Senior High School fully accredited by State Board of Education is requirement for admission to Education Department.

ADMISSION AS SPECIAL STUDENTS

Persons over twenty-one years of age, who are unable to meet requirements for regular students and desire to take special studies, may be admitted as special students upon presentation of satisfactory evidence that they are qualified to enter upon the work. Save in very exceptional cases, students will not be admitted directly from the secondary schools to the status of special students. In such cases, the principal of the last high school attended will be consulted. All persons who have not completed secondary school are urged to do so before applying for admission to the Junior College.

Graduates of accredited high schools are not admitted as special students, but are expected to qualify for regular undergraduate standing in accordance with the general rules.

A special student is not eligible for any certificate. Before being admitted to candidacy such student must attain regular standing and be in residence carrying a regular schedule of work for at least one year thereafter. Registration in any semester is dependent upon the record thus far made in the Junior College.

ADMISSION FROM OTHER COLLEGES

Students entering from other colleges must present official transcripts (mailed direct to Registrar), and such work will be evaluated in the same manner as at the University of Idaho. Students entering from other institutions must comply with the same regulations as to their former scholarship as are applied to students previously enrolled in the Junior College.

LATE REGISTRATION—A student who enters more than three weeks late may not engage in extra-curricular activities unless he has been in attendance at some other college that term, or has attained an average of at least 1.25 quality points.

PART-TIME STUDENTS—A part-time student is a student who has registered for ten hours of work or less. A part-time student is barred from all major extra-curricular activities.

ADMISSION WITH DEFICIENCY IN GROUP REQUIREMENTS

Students who qualify for admission to the Junior College but who fail to meet specific group requirements as indicated in Plan I or Plan II may be admitted with deficiencies and take courses for which they are prepared. All such deficiencies must be removed before registering for the sophomore year. Students entering with deficiencies will make up the deficiency with college courses without college credit or by taking work in a secondary school while taking part-time work at the Junior College. College courses can not 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 such deficiencies as does an equal amount of time spent in high school.

REGULATIONS

PROBATION AND DISMISSAL

Any student who, during his career at the Junior College, fails to receive a passing grade in at least ten credit hours (if he is a full-time student), or who fails to pass in at least two-thirds of his work (if he is a part-time student) shall be placed on probation for the ensuing term.

Students dropping to the status of probation may not take part in extra-curricular activities or hold office, and may not represent the College in any program unless academic credit is involved.

A student on probation may not register for more than twelve hours without the permission of the President. A student on probation, except

an entering freshman, may not participate in extra-curricular activities during a probationary term unless he attains an average of C during the first six weeks of that period, in which case he will be allowed to participate. After two successive terms of probation, a student shall be subject to dismissal from the College. At the discretion of the President, he may be dismissed at the end of the first term of probation if he is failing in more than 50 per cent of his work.

A student whose character and conduct are generally unsatisfactory may be dismissed from the College. The President reserves the right to handle special cases needing discipline.

SPECIAL NOTE.—Students from accredited secondary schools who have completed the required number of units, but have not graduated, may be admitted subject to the same grade regulations as graduates. (See scholarship requirements below.)

SCHOLARSHIP REQUIREMENTS.—Students who qualify for admission under Plan I or Plan II, but who rank in the lowest one-fourth of their graduating class or who fail to present recommending grades in at least two-thirds of the required units, will be admitted only on probation. Recommending grades are those which are at least one "step" (letter or other symbol) above the lowest passing grade in a system using four passing grades. In a purely decimal system, recommending grades are those which are at least 10 points above the lowest passing grade.

Students on probation shall take minimum loads and are especially urged not to take part in outside time-consuming activities. Students placed upon probation during the second term shall take a lighter load than formerly and shall try other courses as a means of determining their interests.

Students entering upon probation because of unsatisfactory high school record may take part in extra-curricular activities during the first nine weeks of their attendance at the Junior College. However, if such probation is extended, the student may not then take part in any extra-curricular activities of the College until he is removed from probation.

GRADING SYSTEM

- A. (90-100) Distinguished work—Three quality points per hour.
- B. (80- 89) Superior Work—Two quality points per hour.
- C. (70- 79) Average work—One quality point per hour.
- D. (60- 69) Passing work—No quality points per hour.
- F. Failure—No quality points per hour.
- Inc. Incomplete may be given only in cases where work has been satisfactory up to the last three weeks of the term. Work not made up within six weeks after the beginning of the student's next term in college automatically becomes a failure, unless special extension of time is granted by the faculty.
- W. Withdrawal by permission while doing passing work.

WITHDRAWALS

A student may officially withdraw from college only by securing a withdrawal permit from the Registrar, and having it signed by the President. He may withdraw from individual courses by having the permit endorsed by the instructor and signed by the President. Permits are filed with the Registrar. If a student withdraws before the end of the first four weeks of the term, his grade shall be a W. After that time a grade of W shall be given if he is doing passing work at the time of withdrawal; if not, a grade of F shall be given. Withdrawal from individual courses later than the end of the ninth week of the term is not permissible. *A student who discontinues a course without an official withdrawal shall receive a grade of F.*

GRADUATION

CERTIFICATES GRANTED

Boise Junior College confers the following titles at graduation:

1. ASSOCIATE OF ARTS.

90 hours of academic, work, including the following:

English	18 hours
Foreign Language	12 hours
Chemistry, Zoology, Physics, or Mathematics	12 hours
Social Science	18 hours

6 hours of Physical Education; Hygiene to be included either in this group or as an academic elective.

2. ASSOCIATE OF ARTS IN EDUCATION.

90 hours of academic work, including the following:

English	18 hours
Psychology	12 hours
Social Science	9 hours
Education Courses	18 hours

6 hours of Physical Education; Hygiene to be included either in this group or as an academic elective.

3. ASSOCIATE OF ARTS IN MUSIC.

90 hours of academic work, including the following:

English	9 hours
French and/or German	24 hours
Harmony	12 hours
Ear Training	12 hours
Keyboard	3 hours
Applied Music	12 hours
Electives	18 hours

6 hours of Physical Education; Hygiene to be included either in this group or as an academic elective.

4. ASSOCIATE OF SCIENCE.

90 hours of academic work, including the following:

English	9 hours
French or German	12 hours
Mathematics	6 or 12 hours
Laboratory Science	24 hours
Calculus or additional Laboratory Science	12 hours

6 hours of Physical Education; Hygiene to be included either in this group or as an academic elective.

5. ASSOCIATE OF SCIENCE IN ENGINEERING.

90 hours of academic work, including the following:

English	9 hours
Mathematics	24 hours
Chemistry	12 hours
Physics	15 hours
Engineering Drawing	9 hours
Engineering Problems	2 hours

6 hours of Physical Education; Hygiene to be included either in this group or as an academic elective.

6. DIPLOMA.

Granted to students offering 96 credit hours, including six hours of Physical Education, and meeting the requirement of a C average, but who do not meet the subject requirements for any of the above titles.

REQUIREMENTS FOR GRADUATION

Ninety-six credit hours are required for graduation, with a grade point average of 1.00 (C) computed upon the basis of all courses taken.

ENGINEERING CURRICULUM
COMMON FRESHMAN YEAR

	Fall Term	Winter Term	Spring Term
English Composition	3	3	3
Freshman Mathematics (Engineering).....	5	5	5
General Chemistry	4	4	4
Engineering Drawing	4	3	3
Engineering Lectures	0	0	0
Engineering Problems	1	1	1
Physical Education	1	1	1
Hygiene	1	1	1
	<hr/> 18	<hr/> 18	<hr/> 18

Boise Junior College offers the courses required for the sophomore year in Chemical and Civil Engineering (see below), and a number of the courses required in the sophomore year in Electrical, Agricultural, Mining, and Mechanical Engineering, as given at the University of Idaho.

CHEMICAL ENGINEERING (SOPHOMORE)

	Fall Term	Winter Term	Spring Term
Calculus	4	4	4
Elementary German	4	4	4
Introductory Analytical and Theoretical Chemistry	4	4	4
Engineering Physics	5	5	5
Physical Education	1	1	1
	<hr/> 18	<hr/> 18	<hr/> 18

CIVIL ENGINEERING (SOPHOMORE)

	Fall Term	Winter Term	Spring Term
Surveying	3	..	3
Calculus	4	4	4
Engineering Physics	5	5	5
Physical Education	1	1	1
Electives	4	7	4
	<hr/> 17	<hr/> 17	<hr/> 17

FORESTRY CURRICULUM

FRESHMAN YEAR

	Fall Term	Winter Term	Spring Term
Engineering Drawing.....	3	3	..
General and Systematic Botany.....	4	4	4
Forest Trees of Southern Idaho.....	3	..	..
General Forestry.....	..	3	..
Mensuration.....	..	..	4
Freshman Mathematics (or English if Math. requirement satisfied).....	4 or 3	..	..
Silviculture.....	..	4	..
Protection—Fire.....	..	..	3
Elective.....	..	..	3
Physical Education.....	1	1	1
Hygiene (emphasis on First Aid).....	1	1	1
Electives.....	..	..	3
	16	16	16

SOPHOMORE YEAR

	Fall Term	Winter Term	Spring Term
Fish and Game.....	..	2	2
Range Management.....	5	5	5
Soils.....	4	..	..
Recreation.....	..	5	..
Protection—Pests, Diseases.....	..	..	3
General Zoology.....	4	4	4
Engineering Surveying.....	3	..	..
Physical Education.....	1	1	1
Elective.....	..	..	1
	17	17	16

THE OUTLOOK FOR STUDENTS OF BOISE JUNIOR COLLEGE
WHO TAKE VOCATIONAL TRAINING IN FORESTRY

Purpose

This course is not designed to make graduate foresters or technicians of students who take and complete it. Rather it is hoped to give the young citizens of Idaho an opportunity to fit themselves for a place in the management of resources in this and adjoining states.

It is the plan and desire to give to the students in this two-year course sufficiency of the fundamentals and actual training in the care and management of our natural resources so that they may take a place in the various organizations, both Federal and State, that are organized or being organized to manage these resources.

Possibilities of Employment

U.S. FOREST SERVICE

The ten National Forests in southern Idaho employ, besides the regular year-long organization, from 200 to 300 short-term men. These employees are used as lookouts, fire patrolmen and dispatchers, trail and telephone foremen, range riders, etc. The Forest Service is planning to make the period of employment at least eight months out of each year. Salaries range from \$90 to \$150 a month, according to responsibilities and length of service. Under a recent ruling, these positions must be filled from residents in or adjacent to the National Forests. This gives the local student an advantage. All the above positions have recently been placed under Civil Service, and examinations will be given to build up a list of eligibles from which to make future appointments. Students who complete this two-year course should be able to pass the examinations which will be given from time to time as additional men are needed or vacancies are to be filled. Those who qualify, accept appointment, and demonstrate their ability, will be eligible for promotion to assistant ranger and ranger positions, paying from \$2000 to \$2600 per annum.

DIVISION OF GRAZING, DEPARTMENT OF INTERIOR:

This department has taken over control of the public domain in the state outside the National Forests, and have started to build an organization to supervise and control its use. The work will be very similar to that on National Forests with probably more range than timber management, since the area has a larger percentage of range than forested lands. Their junior grazing aids are chosen from Civil Service rolls and start at a salary of \$1540 per annum. They estimate when their organization is complete they will have 15 or 20 of these officers in southern Idaho.

SOUTHERN IDAHO TIMBER PROTECTIVE ASSOCIATION:

This organization uses from 15 to 20 men from four to six months each year, and are willing to consider students of this Vocational Forestry course to fill vacancies in their organization.

STATE GAME DEPARTMENT:

The new state game law provides that all field employees shall be placed under state civil service and plans are under way by the State Game Commission to carry out this part of the act. It is planned to include enough game management in this course to make students eligible to take these state examinations.

PRIVATE INDUSTRY:

Ninety per cent of the area of Idaho is wild land that can not be cultivated. One-half of this area is used by livestock for grazing all or part of the year. Approximately 60 per cent of this wild land is in Federal ownership and being managed by either the Forest Service or Division of Grazing. These agencies are trying to teach the livestock owners range management in order to preserve the ranges, and it is believed that owners will be willing to give first consideration to local trained men when they have employment to offer.

PRE-LAW CURRICULUM

Same as the Junior College A.B. Curriculum.

PRE-MEDIC AND PRE-NURSING CURRICULUM

FRESHMAN YEAR

	Fall Term	Winter Term	Spring Term
English Composition.....	3	3	3
General Chemistry.....	4	4	4
German or French.....	4	4	4
Zoology.....	4	4	4
Physical Education.....	1	1	1
	<u>16</u>	<u>16</u>	<u>16</u>

SOPHOMORE YEAR

	Fall Term	Winter Term	Spring Term
Freshman Mathematics.....	4	..	..
Introductory Analytical and Theoretical Chemistry.....	4	4	4
Comparative Anatomy.....	..	4	4
Scientific German or French.....	3	3	3
Psychology.....	4	4	4
Physical Education.....	1	1	1
	<u>16</u>	<u>16</u>	<u>16</u>

MUSIC MAJOR

FRESHMAN YEAR

	Fall Term	Winter Term	Spring Term
English Composition.....	3	3	3
French or German.....	4	4	4
Music Theory Courses.....	4	4	4
Applied Music.....	2	2	2
Physical Education.....	1	1	1
Hygiene.....	1	1	1
Electives.....	1	1	1
	<u>16</u>	<u>16</u>	<u>16</u>

SOPHOMORE YEAR

	Fall Term	Winter Term	Spring Term
French or German.....	4	4	4
Music Theory Courses.....	5	5	5
Applied Music.....	2	2	2
Physical Education.....	1	1	1
Electives.....	4 or 5	4 or 5	4 or 5
	<u>16 or 17</u>	<u>16 or 17</u>	<u>16 or 17</u>

PART IV
DEPARTMENTS
OF INSTRUCTION

ART

1-2-3 Art Appreciation 2 credits Each term

A study of artistic expression in the fields of sculpture, painting and architecture, and the minor arts from the earliest times to the present. The second term begins with the Italian Renaissance. The spring term is devoted mainly to Modern Art and contemporary trends in America and Europe. The course is completely illustrated with lantern slides, prints, and reproductions. Two lectures per week.

11-12-13 Design and Color Composition 3 credits Each term

Purely creative dark-light design carefully planned to give the student an understanding of the structural organization underlying drawing, painting, sculpture, commercial and industrial art, and interior decoration. Correlating the design activities, a scientific and esthetic study of the relationships, order, and movements in prismatic and modified color is made. Two lectures and two hours studio per week.

21 Perspective 2 credits Fall term

A study of mechanical perspective for the student of commercial art, illustration, or architecture. Pen and ink and wash drawing will be introduced in this course. Six hours studio per week.

22 Lettering and Showcard 2 credits Winter term

Comprising a study of lettering technique and various alphabets. Modern styles of letters will be emphasized along with spacing and lay-out for show cards. Six hours studio per week.

23 Poster 2 credits Spring term

Problems in poster display involving lettering and simple illustration. A study of color will be made in relation to poster and display based on the psychology of advertising. Prerequisite: 21 and 22. Six hours studio per week.

31 Interior Decoration 2 credits Fall term

Application of art principles to interiors. Special consideration of those principles to homes. Creative and original treatments of practical interior problems are emphasized. Two lectures per week.

32-33 Public School Art 3 credits Winter and spring terms

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 lectures and two hours studio per week.

41-42-43 Elementary Drawing and Painting 2 credits Each term

Drawing from still life, cast, and nature in charcoal, water color, and oil. Fundamentals of pictorial composition are stressed. Six hours studio per week.

- 51-52-53 Advanced Commercial Art and Advertising** 2 credits Each term
Prerequisite: 21-22-23. Advisable to have had Design and Color Composition.
- 61-62-63 Advanced Composition and Landscape Painting** 2 credits Each term
Six hours studio per week. Prerequisite 41-42-43.

BOTANY

- 1-2-3 General Botany** 4 credits Each term
A general study of typical flowering plants and lower plant forms, leading to a general survey of the plant kingdom. Two lectures and two laboratory periods per week.
- 11- Pair of Botany*
- 12-13 Systematic Botany** 4 credits Winter and spring terms
This course begins with a study of the monocotyledonous plants with special emphasis on the grasses. The dicotyledons are studied the last term. Prerequisite: Botany 1. Two lectures and two laboratory periods per week.

BUSINESS ADMINISTRATION

- 1-2-3 Business Organization** 3 credits Each term
A survey course designed to acquaint the student with the various phases of business, with particular emphasis on the forms, opportunities, and requirements of each field.
- 11-12-13 Shorthand** 3 credits Each term
An introductory course in shorthand. Emphasis is placed on theory, and skill in transcription is developed.
- 21-22-23 Principles of Accounting** 3 credits Each term
Fundamental principles underlying the science of accounting. A survey of the fundamentals of bookkeeping, and the use of various accounting records. Lectures and laboratory.
- 51-52-53 Intermediate Dictation** 3 credits Each term
Emphasis is placed on the building of a broad shorthand vocabulary and development of speed in dictation with rapid transcription. Prerequisite: Business 11-12-13, or two years of high school shorthand.

CHEMISTRY

- 1-2-3 General Chemistry** 4 credits Each term
Experimental lectures, recitations, and laboratory exercises. The laboratory work of the fall and winter terms consists of a selected list of representative experiments, including quantitative; that of the spring term, an introduction to qualitative analysis as a means of studying the general chemistry of metals. One lecture, two quiz hours, and two three-hour laboratory periods per week.

51-52-53 Introductory Analytical and Theoretical Chemistry

4 credits

Each term

Theory and practice of analysis with selected topics in elementary physical and theoretical chemistry. In the laboratory the work of the fall term is in qualitative analysis and the winter and spring terms in quantitative analysis, including both gravimetric and volumetric. Two lectures and two three-hour laboratory periods per week. Prerequisites: Chemistry 1-2-3.

71-72-73 Elementary Organic Chemistry

3 credits

Each term

An introductory course covering the fundamental principles and the more important practical applications of organic chemistry. The laboratory work will illustrate the technique and the typical methods for the preparation and study of simple organic compounds. Two lectures and one three-hour laboratory period per week. Prerequisites: Chemistry 1-2-3.

ECONOMICS**1-2-3 Principles of Economics**

3 credits

Each term

Introduction to economic theory and an analysis of the operation and problems of the modern economic system.

EDUCATION**1 Introduction to Education**

2 credits

Fall term

A general introductory course for those who have made no professional study of education. Seeking to cultivate an attitude favorable to the scientific investigation of educational problems, it touches a wide variety of topics, gives result of scientific studies, and raises vital questions for further study. Open to freshmen and sophomores.

2 Progressive Education

2 credits

Winter term

The study of progressive modes and methods of education in elementary schools will be emphasized in this course. Special consideration will be given to the unit system in its relation to modern curriculum development. Units and lesson plans will be developed. Open to freshmen and sophomores.

3 School-room Management

2 credits

Spring term

This course deals with actual class-room situations. It not only deals with the physical features of school management but considers studying, recitation, discipline, curricula and personality. Rural school problems are considered as well as city school problems. Open to freshmen and sophomores.

21 Elementary Review

2 credits

Fall term

This course will be devoted to the review of content matter of subjects taught in the first four grades. Open to freshmen and sophomores.

22 Advanced Review

2 credits

Winter term

This course will be devoted to the review of content matter of subjects taught in the fifth, sixth, seventh, and eighth grades. Special emphasis will be placed upon Idaho history, geography, and industries. Open to freshmen and sophomores.

- 23 Idaho School Law, Civics, and Manual** 2 credits Spring term
Idaho School Law, the state manual and course of study, and the civil government of Idaho. This course is required of all people who expect to be recommended for a Teacher's Certificate in Idaho.
Open to freshmen and sophomores.
- 51 Elementary Methods** 3 credits Fall term
Methods of teaching in the elementary grades will be considered in this course with emphasis on reading readiness, numbers, art, music, and social adjustment of the small child. Open to sophomores.
- 52 Intermediate Methods** 3 credits Winter term
The methods of teaching reading, arithmetic, grammar, spelling, history, geography, civics, hygiene, etc., are considered in this course. Lesson plans and observation, in the city and county schools, are parts of this course. Open to sophomores.
- 53 Advanced Methods** 3 credits Spring term
Methods of teaching in the sixth, seventh, and eighth grades are stressed in this course. All texts adopted by the State and teachers' manual for each text are carefully studied. Open to sophomores.
- 61-62-63 Practice Teaching** 3 credits Each term
Sixty hours of observation and one hundred twenty hours of supervised teaching. Part of this work will be done in the schools of Boise, the other part in especially selected schools in the vicinity of Boise. Open to sophomores.
- Psych. 1-2-3 General and Applied Psychology**
See under Psychology Courses. Required of all students expecting to teach.
- Psych. 51-52 Educational Psychology**
See under Psychology Courses.

ENGINEERING

- A Engineering Lectures** No credit Fall term
A survey of the Engineering Profession.
- 1 Engineering Drawing** 4 credits Fall term
Freehand lettering; use of drawing instruments and equipment; orthographic drawings to include the principal, section, and auxiliary views. One lecture, one quiz, and two three-hour drawing periods per week.
- 2-3 Engineering Drawing** 3 credits Winter and spring terms
Continuation of Engineering 1 to include also revolution; point line and plane problems; surfaces, intersections, and developments; machine elements; pictorial drawing; and application to practical engineering drafting. One lecture and two three-hour drawing periods per week.

- 11-12 Engineering Problems** 1 credit Winter and spring terms
 Training in methods of computation and analysis of engineering problems. One laboratory period per week. Open to freshmen only.
- 71-73 Surveying** 3 credits Fall and spring terms
 Theory and use of transit, level, and minor instruments. Land surveying. Government methods of laying out public lands. One recitation and nine hours of field work and computations per week. Prerequisites: Mathematics 11 and Engineering 1.
- 51 Mechanism** 4 credits Fall term
 Engineering kinematics. The principles of elementary combinations of which all machines are composed; the communication of motion by gears, belts, cams, screws, and linkages; and the various methods of producing changes in velocity. Three lectures and one three-hour laboratory period per week.
- 62-63 Mechanics (Statics)** 2 credits Winter and spring terms
 Composition and resolution of forces; laws of equilibrium; stresses in frames; centers of gravity; moments and products of inertia; analytic and graphic methods of solution. Two lectures per week. Prerequisites: Mathematics 51 and Physics 51.

ENGLISH

PLACEMENT TEST—The Uniform Placement Test in English, as formulated by the Inland Empire Council of Teachers of English and administered in the colleges and universities of the Northwest, is required of all students. Those notably deficient in preparation and those giving evidence of illiteracy will be advised to elect English as a five-hour course for the first term. Satisfactory completion of the five-hour course shall give these students the required three credit hours for English 1.

- 1-2-3 Freshman Composition** 3 credits Each term
 Principles of composition, with individual conferences for guidance and criticism. Assigned reading is a significant part of the entire course. In the first term the general principles of composition are stressed, with particular emphasis on exposition. In the second term the technique of the long paper and vocabulary building are taken up, (and in the third term literary types and the principles of criticism are studied.)
- 11-12-13 Fundamentals of Speech** 1 credit Each term
 An elementary course in the fundamental technique of using voice and speech. The purpose is to develop ease and correctness in oral expression.
- 17-18-19 Elementary Dramatics** 1 or 2 credits Each term
 A beginning course for those interested in acting and producing plays. Theory and some practice as class projects.
- 21-22 Debate** 1 credit Fall and winter terms
 Participation in intra-school and inter-school debate.

- 51-52-53 Survey of English Literature** Each term
 A study of the development of types and movements in English literature, and of the conditions which have surrendered their growth. Lectures with wide reading. Open as an elective to all sophomores; recommended for all sophomores entering senior colleges of business administration, letters and science, law and education (for prospective teachers of English).
- 61-62-63 Introduction to Modern Literature** 3 credits Each term
 A study of the type and thought of modern and contemporary literature. The novel will be studied the first term, biography and poetry the second, and the drama the third. Open as an elective to all sophomores, but not recommended as a substitute for English 51-52-53 for students in the B.A. and Education curricula.
- 66-67 Great Books** 3 credits Winter and spring terms
 Great books of the world from the Bible and Homer to recent times. Not a substitute for 61-62-63 and 51-52-53.

FORESTRY

- 1 Forest Trees of Southern Idaho** 3 credits Fall term
 This course will consist of the identification, wood utilization, and distribution of the chief forest trees of the southern part of the state. The relative importance of local timber products with reference to national timber products will also be stressed.
- 2 General Forestry** 3 credits Winter term
 This course will consider the following: The relation of forestry to other fields; the history and importance of forestry; its resources; the federal organization, F.S., D.G., etc.; forestry in the economic and social structure of the nation; personnel; state forestry and the public domain.
- 3 Mensuration** 4 credits Spring term
 Mensuration will cover the scaling of logs and stumps, tree measurement, timber estimating, and logging methods.
- 12 Silviculture** 4 credits Winter term
 A study of silvicultural systems, stand improvement, natural and artificial regeneration, seeding and planting, and methods of cutting.
- 13 Protection—Fire** 3 credits Spring term
 Fire prevention, suppression, and control methods will be studied in field and laboratory work. Use of telephone, radio, pump, and other fire tools.
- 21-22 Fish and Game** 2 credits Winter and spring terms
 Management of fish and game in forests; game census; fish culture, planting, etc., identification of principal species of wild life; food requirements and correlation with other forest resources.

- 23 Protection—Pests, Diseases** 3 credits Spring term
 Pathology: major diseases common to southern Idaho; entomology: the chief insect infestations in commercial woods of southern Idaho.
- 31-32-33 Range Management** 5 credits Each term
 The principal types of livestock will be studied as well as their grazing habits. The development and history of the range industry; range improvement; handling of stock as related to the conservation of grazing and other natural resources; indicators of range conditions; methods of determining utilization will be studied as well as common diseases of livestock and control of range pests. A portion of this work will be in field laboratory.
- 41 Soils** 4 credits Fall term
 The geology and origin of soils; a study of types and activities of erosion; methods of preventing and controlling erosion.
- 42 Recreation** 5 credits Winter term
 Landscaping, sanitation, public contacts, and multiple use of recreation facilities and forest.

FRENCH

- 1n-2n-3* Elementary French** 4 credits Each term
 The aim of this course is to teach the fundamentals of grammar through exercises, easy reading, dictation, and conversation based upon the text. Emphasis on phonetics and pronunciation. Taught five periods per week for 4 credits.
- 11-12-13 Intermediate French** 4 credits Each term
 The aim of this course is to give the student an accurate and fluent reading knowledge of French prose. Comprehensive review of grammar with emphasis on idioms, dictation, phonetics, reports on collateral reading. Stress on composition and conversation the third term. Prerequisite: French 1n-2n-3 or two years of high school French.
- 51-52-53 French Composition and Conversation**
 2 credits Each term

GERMAN

- 1n-2n-3* Elementary German** 4 credits Each term
 Grammar, graded readings, early introduction of idioms and simple conversation. Meets five hours per week for four credits.
- 11-12-13 Intermediate German** 4 credits Each term
 Reading of German texts with a review of grammar, composition, translation of English into idiomatic German, and conversational exercises. Prerequisites: German 1n-2n-3 or two years of high school German.

* No credit will be allowed toward graduation for the first and second terms of any beginning foreign language until the third term is completed.

HISTORY

- 1-2-3 Classical Civilization** 3 credits Each term
The history and civilization of Ancient Greece and Rome, with emphasis on the social and political institutions. Given in alternate years with Political Science 1-2-3.
- 11-12-13 Contemporary Civilization** 3 credits Each term
An orientation course designed to give first year students an introduction to the economic, social, and political principles operative in modern social organization, and the philosophy underlying them.
- 21-22-23 Modern Europe** 3 credits Each term
Political, social, and economic history of Europe from the Renaissance to the present, with emphasis on the period from the Congress of Vienna to the present time.
- 31-32-33 History of the Americas** 3 credits Each term
A study of the Americas from discovery to the present time. Emphasis on the transplanting of European institutions to the New World. The course aims at a background for understanding the international relations of the United States and Hispanic America.
- 52-53. History of Idaho and the Pacific Northwest.**
2 credits Winter and spring term
A history of the Old Oregon Country, with emphasis on the Idaho area. The basic topics for study are: Early explorers of the Pacific; international contest for fur trade in the region; the colonization movement and placer gold area; and founding of territories and states. Prerequisites: History 21-22-23 or 31-32-33.
- 61-62-63 English Constitutional History** 2 credits Each term
English history, with special reference to the parliamentary system of government from the Magna Charta to the modern cabinet, and with special attention to the needs of law students.

JOURNALISM

- 1 Elementary Journalism** 2 credits Fall term
The American newspaper, its place in society and its methods and techniques. Fundamentals of reporting, interviewing, news gathering and news writing.
- 2 Elementary Journalism** 2 credits Winter term
Development of Journalism 1, including the writing of acceptable editorials and feature stories. Members of the class required to write for publication in college paper or city news papers.
- 3 Advertising** 2 credits Spring term
This is a practical course beginning with a serious study of the Psychology of Advertising. Advertising layouts will be developed. Soliciting and writing practice on the college newspaper will be required.

LATIN

- 1n-2n-3* Elementary Latin** 4 credits Each term
 Besides preparing to read Latin, the course deals especially with the Latin-English words and phrases in literature, law, and the sciences. Translation of easy selections from classic myths and stories of Roman history. Meets five times per week for four credits.
- 11-12-13 Intermediate Latin** 4 credits Each term
 Translation of narratives dealing with Roman life, reading of selected orations of Cicero, and study of Roman government. Virgil's Aeneid is translated in part, and the principles of poetry are studied. Prerequisites: Latin 1n-2n-3, or two years of high school Latin.
- 51-52-53 Advanced Latin** 3 credits Each term
 Study of selections from standard Latin authors; investigation of their lives and criticism of their styles. Prerequisites: Latin 11-12-13, or three years of high school Latin.
- 61-62-63 Latin Prose Composition** 2 credits Each term
 Systematic exercises affording a thorough review of Latin grammar. Best studied in connection with Latin 51-52-53. Prerequisite: Latin 11-12-13, or three years of high school Latin. Required for recommendation to teach Latin.

MATHEMATICS

- 1-2-3 Freshman Mathematics** 4 credits Each term
 College algebra, trigonometry, and analytic geometry. Required of all students taking a mining, forestry, or pre-medical curriculum. Taught five periods per week the first quarter for four credits.
- 11-12-13 Freshman Mathematics (Engineering)** 5 credits Each term
 Subject matter same as Math. 1-2-3, with additional emphasis on computation and upon construction and interpretation of graphs. Required of pre-engineering students. Five lectures per week.
- 51-52-53 Calculus** 4 credits Each term
 Fundamental principles and applications of differential and integral calculus. Prerequisites: Mathematics 1-2-3 or 11-12-13. Four lectures per week.

MUSIC

PRIMARILY FOR FRESHMEN

- 1-2-3 Beginning Harmony** 2 credits Each term
 Scales, intervals, triads, part-writing of given melodies and basses. Dominant seventh and inversions, modulation, secondary sevenths.

* No credit will be allowed toward graduation for the first and second terms of any beginning foreign language until the third term's work is completed.

- 1a-2a-3a Music Fundamentals** 1 credit Each term
Laboratory work in musical notation, aural and written.
- 4-5-6 Ear Training** 2 credits Each term
Aural training on intervals, simple chords, melodies, easy rhythmic figures; parallels the written work of Harmony 1-2-3 and is pre- or co-requisite.
- 7-8-9 Keyboard Harmony** 1 credit Each term
Harmonization at the piano of given soprano and bass melodies, primary, secondary triads and inversions, dominant sevenths. Harmony 1-2-3 is prerequisite or corequisite.
- 10-11-12 Music Appreciation** 1 credit Each term
An elective course open to all students in the Junior College. It will give the student an opportunity to hear good music and learn to converse intelligently on the subject.
- 13-14-15 A Cappella Choir** 1 credit Each term
A course in unaccompanied singing. Audition required.
- 16-17-18 Accompanying** 1 credit Each term
Practical experience in accompanying singers and instrumentalists. Open to piano students with sufficient technique.
- 19-20-21 Instrumental or Vocal Ensemble** 1 credit Each term
A course designed to promote interest in small vocal or instrumental group work.
- 22-23-24 Orchestra** 1 credit Each term
Open to any student who is proficient in the use of some instrument of modern orchestra.

PRIMARILY FOR SOPHOMORES

- 51-52-53 Advanced Harmony** 2 credits Each term
Modulation, altered chords, secondary sevenths and inversions, suspensions, passing tones and embellishments. Prerequisite: Music 1-2-3.
- 54-55-56 Advanced Ear Training** 2 credits Each term
Advanced melodic and rhythmic dictation. Two, three and four-part singing in treble, bass clefs. More advanced chromatic problems and modulation.
- 57-58-59 Advanced Keyboard Harmony** 1 credit Each term
Harmony applied to the keyboard, practice in playing written chords and progressions.
- 60-61-62 History of Music** 2 credits Each term
Beginning of music, systems of notation, music of the ancient world, Egyptian, Oriental, and Greek. Influence of French, Italian, and Netherland schools. Rise and progress of opera and oratorio.

- 63-64-65 Rural School Methods** 2 credits Each term
 Materials, methods, and problems relating to classroom music. Through the kind cooperation of the Public School Supervisor of Music, the city schools will be available as a laboratory. Prerequisite: Music 1a-2a-3a; corequisite: Music 34a-35a-36a.

APPLIED MUSIC

Applied Music does not come under general tuition. See schedule of fees. Students requesting credit in applied music must take examinations before the end of the second week in each term.

PIANO PREREQUISITE.—Scales in major and minor. Three-toned arpeggios in major and minor. Kullak or Clementi sonatinas. A two-part invention of Bach.

- 25-26-27 Piano** 1 or 2 credits Each term
 Scales, arpeggios, octaves, Czerny, Bach two-part inventions, Hayden, Mozart sonatas. Easy compositions of Mendelssohn, Chopin, Schumann.

- 75-76-77 Piano** 1 or 2 credits Each term
 Scales, arpeggios, octaves, Cramer studies. Bach three-part inventions. Mozart sonatas. Compositions by Mendelssohn, Schubert, Grieg, etc.

ORGAN PREREQUISITE.—Same as piano.

- 28-29-30 Organ** 1 or 2 credits Each term
 Alderfer organ instruction. Nilsson pedal studies, Bach's Little Preludes and Fugues. Easy compositions.

- 78-79-80 Organ**
 Nilsson pedal studies. Technical exercises for the manuals. Preludes and Fugues of Bach. Rheinberger trios. Compositions of medium difficulty.

VIOLIN PREREQUISITE.—Studies of Yayser and Dort. Schubert sonatinas. Concertinos by Sitt and Accolaj.

- 31-32-33 Violin** 1 or 2 credits Each term
 Scales, arpeggios. Studies by Kreutzer, Sevcik, Wilhelmj, Mazas. Sonatas and concertos of Handel, Kreutzer, Rode, DeBeriot.

- 81-82-83 Violin**
 Scales Gruenberg, Ritter. Studies by Kreutzer, Fiorillo, Kneisel, Sevcik. Concerti by Rode, DeBeriot, Sonata Mozart. Compositions of medium difficulty.

VOCAL PREREQUISITE.—Sight reading moderately hard music; singing of even, flexible scales, singing of a group of good songs from memory.

- 34-35-36 Voice** 1 or 2 credits Each term
 Breath control, tone production, diction, rhythm. Moods in songs. Songs for individual needs of students.

- 34a-35a-36a Class Voice Lessons** 1 credit Each term
This course is recommended for students who plan to teach in rural or city school.
- 84-85-86 Voice** 1 or 2 credits Each term
Continuation of first year technique. Artistry in phrasing and interpretation. Art songs of Schubert, Schumann. Classics and moderns.
- 37-38-39 Cello** 1 or 2 credits Each term
Scales major and minor. Studies by Dotzaur and Grutzmacher. Student concertos by Romberg or Galtermann. Easy compositions.
- 87-88-89 Cello** 1 or 2 credits Each term
Scales in different combinations of bowings. Studies by Dotzaur and Grutzmacher. Bach suites for cello alone. Concerto by Saint Saens. Compositions of medium difficulty.
- 90-91-92 Woodwind Instruments** 1 or 2 credits Each term
Credit in Flute and Clarinet only will be offered.

PHYSICAL EDUCATION

MEN

- 21 Football Participation** 1 credit Fall term
- 22 Basketball Participation** 1 credit Winter term
- 23 Baseball Participation** 1 credit Spring term
- 24 Track Participation** 1 credit Spring term
- 31-32-33 Sports for Freshmen** 1 credit Each term
Participation in the following sports: swimming, volleyball, ping pong, basketball, horseback riding, tumbling, fencing. Two periods per week.
- 35-36-37 Hygiene** 1 credit Each term
- 41-42-43 Freshman Activities** 1 credit Each term
First term: calisthenics, marching; second term, wrestling; third term, boxing. One lecture, two laboratory periods per week. Required of Physical Education majors.
- 61-62-63**
~~51-52-53~~ **Sports for Sophomores** 1 credit Each term
Instruction in fundamental skills and participation in volleyball, table tennis, tumbling, swimming, fencing, basketball, golf, and tennis. Required of all sophomores. Two hours per week.
- 71-72-73 Sophomore Activities** 1 credit Each term
Swimming, life-saving, wrestling, boxing. Required of Physical Education majors. One lecture, two laboratory periods per week.

WOMEN

- 1-2-3 Freshman Gymnastics** 1 credit Each term
The work is arranged with reference to the needs of the individual student as they are indicated by the required physical examination. The course includes elementary gymnastics, folk and character dancing, games and sports technique.
- 5-6-7 Personal Hygiene** 1 credit Each term
Lectures and discussion on problems of personal hygiene and balanced living. Required of all freshmen in conjunction with 1-2-3. One meeting per week.
- 11-12-13 Beginning Swimming** 1 credit Each term
For those who can not swim and who have had no instruction in correct form. Sheffield method is used with emphasis on correct breathing, achievement of confidence, floating, position, elementary back-stroke, sculling, deep water test, simple diving. Two meetings per week.
- 51-52-53 Sophomore Sports** 1 credit Each term
The following sports in season: soccer, basketball, tennis, track. Two meetings a week.
- 55-56-57 Intermediate Swimming** 1 credit Each term
Continuation of 11-12-13. Trudgeon crawl, breast stroke, single overarm, water stunts, diving; some Red Cross life-saving. Open to those who have had Physical Education 11-12-13 or its equivalent. Two meetings per week.

PHYSICS

- 51-52-53 Engineering Physics** 5 credits Each term
This course is intended for students in the physical sciences and in engineering, and must be preceded or accompanied by the calculus. Three lectures and two three-hour laboratory periods per week.

POLITICAL SCIENCE

- 1-2-3 American Government** 3 credits Each term
The organization and functions and present-day problems of the American federal government. Given in alternate years with History 1-2-3.

PSYCHOLOGY

- 1 General Psychology** 4 credits Fall term
An introductory course considering stimuli, integration and response, and the principles underlying human behavior. Prerequisite to all courses in psychology. Required of all who expect to teach. Two lectures, one quiz, and one three-hour laboratory period per week.

- 2 General Psychology** 4 credits Winter term
 This course considers the physical, mental, emotional, and moral development of the adolescent. Typical cases will be studied. Required of all who expect to teach. Two lectures, one quiz, and one three-hour laboratory period per week.
- 3 Applied Psychology** 4 credits Spring term
 A study of social efficiency of the individual and the effects of environment; business practices; evidence; testimony; aids in legal and medical practice. Prerequisite: Psychology 1 and 2.
- 11 Psychology of Advertising** 2 credits Fall term
 A study of the fundamental instincts and cravings of the human individual and their relation to the creation of effective advertising, and a study of advertising from the standpoints of attracting attention, arousing interest, creating desire, and producing results.
- 12 Psychology of Salesmanship** 2 credits Spring term
 A serious study of social efficiency and the development of personality in relation to salesmanship in general. This will be followed by analyses of the demands of special types of selling and a special social survey will be made by each member of the class.
- 13 Personality** 2 credits Winter term
 This course will deal with the fundamental psychological stimuli of human behavior and their influence upon so-called personality. Individual tests and conferences will be used to aid each student toward the development of his most effective social efficiency.
- 51 Educational Psychology** 2 credits Fall term
 The psychology of learning and other applications of psychology to problems in the field of education. Prerequisite: Psychology 1 and 2.
- 52 Psychology of Elementary Subjects** 2 credits Winter term
 A study of the psychology of reading readiness and the teaching of reading, numbers, and other subjects. Prerequisite: Psychology 1 and 2.
- 53 Child Psychology** 2 credits Spring term
 This course will study particularly the maturation of the child, the development of his reflexes, thresholds of learning, motivation, and habit formation.

SPANISH

- 1n-2n-3* Elementary Spanish** 4 credits Each term
 Offers a thorough foundation in the fundamentals of grammar. Emphasis on pronunciation. Meets five times per week for four credits.

* No credit will be allowed toward graduation for the first and second terms of any beginning foreign language until the third term's work is completed.

11-12-13 Intermediate Spanish 4 credits Each term

The aim of the course is to give the student an accurate and fluent reading knowledge of modern Spanish. Comprehensive review of grammar; study of idioms; monthly reports on collateral reading; conversation based on text. Prerequisite: Spanish 1n-2n-3 or two years of high school Spanish.

51-52-53 Composition and Conversation 2 credits Each term**ZOOLOGY****1-2-3 General Zoology** 4 credits Each term

The general problems of animal structure, physiology, activities and adaptations, sex, development, heredity, evolution, and life-histories of representative and economic forms. Two lectures and two three-hour laboratory periods per week.

51 Physiology 4 credits Fall term

Designed to give a general knowledge of the more important physiological problems, and of the structure and functions of the human body. Two recitations and two three-hour laboratory periods per week. Prerequisite: Zoology 1-2-3.

52-53 Comparative Anatomy 3 credits Winter and spring terms

Dissection and study of types of vertebrates, together with lectures and discussions on general vertebrate anatomy with special reference to the evolution of the various organ systems. Two lectures and one three-hour laboratory period a week. Prerequisite: Zoology 1-2-3.

GRADUATES—1939

ASSOCIATE OF ARTS

KENNETH WILSON ALPERT	IONE MINNETTE NORDQUIST
P. RICH BAKES	VIRGIL W. OLSON
BARBARA HELEN BRIM	MARY JANE PERKINS
TOM COFFIN	DORTHA MARIE POWER
WILLIAM SIMMONS FAUGHT, JR.	MARGARET ROSENHEIM
BAYARD FRANKLIN GRIFFIN, JR.	NELLIE GAIL STANDISH
CARL HILL	VIRGINIA STEWART
VIRGINIA M. LEACH	MERLE WILLIAM WELLS
LAURENCE C. WIKLUND	

ASSOCIATE OF ARTS IN EDUCATION

REBECCA JEAN BARBER	AURELIA A. RENEAU
VERA ELEANOR BURNS	NINA EDITH SEIBEL
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ELLEN JEAN DRAKE	LIDIA URANGA
MAXINE HORSLEY	ROSEMARY GARDINER WILLITS

ASSOCIATE OF SCIENCE

JOSEPHINE M. ARGABRIGHT	MAX FRANKLIN BELL
JOHN A. MATHER	

ASSOCIATE OF SCIENCE IN ENGINEERING

DONALD LAWSON	ANDREW CALVIN MADSEN
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DIPLOMA

ERNEST EDWARD DAY	MARY JACQUELYN ROBERTS
GEORGE WALLACE WHITMORE	

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