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Washington State Normal School, Cheney, Washington, annual catalog, 1936-1937

State Normal School (Cheney, Wash.)

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Washington State Normal School
Cheney, Washington

A College of Education

ANNUAL CATALOG
1936-1937

Accredited by the American Association of Teacher's Colleges and the Northwest Association of Secondary and Higher Schools

Entered October 22, 1904, at Cheney, Washington, as second class matter, under act of congress of July 16, 1894
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CALENDAR 1936-1937

Fall Quarter
Freshman tests, Tuesday, September 15, 9:00 a. m.
Registration, Wednesday, September 16.
Instruction begins Thursday, September 17.
Preregistration for winter quarter, November 16-December 4.
Thanksgiving recess begins Wednesday, November 25, noon.
Thanksgiving recess ends Monday, November 30, 8:00 a. m.
Instruction ends Friday, December 4, 4:00 p. m.

Winter Quarter
Registration, Monday, December 7.
Instruction begins Tuesday, December 8.
Christmas recess begins Friday, December 18, 4:00 p. m.
Christmas recess ends Monday, January 4, 8:00 a. m.
Washington's Birthday (holiday), Monday, February 22.
Preregistration for spring quarter, February 23-March 11.
Instruction ends Thursday, March 11, 4:00 p. m.

Spring Quarter
Registration, Monday, March 15.
Instruction begins Tuesday, March 16.
Spring recess begins Tuesday, April 6, 4:00 p. m.
Spring recess ends Monday, April 12, 8:00 a. m.
Preregistration for summer quarter, May 17-June 5.
Instruction ends Wednesday, June 2, 4:00 p. m.

Summer Quarter
Registration, Monday, June 7.
Instruction begins Tuesday, June 8.
First term ends Tuesday, July 13, 3:00 p. m.
Second term begins Wednesday, July 14, 8:00 a. m.
Preregistration for fall quarter, August 2-September 11.
Instruction ends Wednesday, August 18, 3:00 p. m.
Catalog Number, 1936-1937

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LEONA OLSON ......................... Secretary Placement Bureau

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MARY E. BARTON ....................... Assistant Librarian
RUTH M. JOHNSON ....................... Assistant Librarian
MARIE HAAS ........................ Laboratory School Librarian
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Catalog: Mr. Allen, Mr. Hawk, Dean Wallace, Chairman.

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B. S., University of Washington. Graduate study University of California, Oregon State College.

DAVID A. BARBER.................................Psychology, Education
A. B., A. M., Ph. D., University of Washington.

J. L. BOTSFORD.................................Mathematics, Science
A. B., University of Washington; Ph. D., California Institute of Technology.

NANCY KATE BRODNAX.............................Textiles and Clothing
A. B., University of Oklahoma; A. M., University of Washington. Graduate study New York School of Design.
EDITH B. BROWN ........................................German, Handwriting
Ph. B., University of Chicago; A. M., Columbia University.
Graduate study University of California, University of Jena (Germany).

DAVID G. COBB ........................................History
A. B., A. M., University of Michigan. Graduate study University of Grenoble (France).

ROBERT K. DAHLSTROM ....................... Mathematics, Physical Sciences
B. S., Ph. D., University of Washington. Graduate research University of Washington.

EDWARD L. DALES ........................................Industrial Education
B. S., University of Wisconsin. Graduate study Stout Institute, Oregon State College, University of California.

FLORA E. DAVIDSON ........................................Health
B. S., University of Missouri; A. M., Columbia University.
Graduate study University of Southern California.

PAULINE DAY ................................ Laboratory Schools, Intermediate
A. B., Iowa State Teachers College; A. M., Columbia University.
Graduate study University of Colorado.

DARYL D. DAYTON ........................................Music Theory, Piano
Mus. Bac., Oberlin College. Private study in Berlin (Germany).

MARGARET ELLEN DAYTON ............................Voice
Mus. Bac., Oberlin College. Private study in Berlin (Germany).

VIRGINIA DICKINSON .................................English, French
A. B., University of Wisconsin. Graduate study University of Wisconsin, Leland Stanford Junior University, Ideal Exole Francaise.

CECIL DRYDEN ........................................Laboratory Schools, Junior High
A. B., University of Washington; A. M., Columbia University.
Graduate study University of Moscow (Russia).

ANTOINETTE DUSTIN .................................Physical Education

MABEL L. EVERETT ................................ Laboratory Schools, Primary
B. S., M. S., Columbia University.

CLARK M. FRASIER .................................Laboratory Schools, Director
A. B., A. M., Colorado College of Education. Graduate study George Peabody College for Teachers, Colorado College of Education.

OTIS W. FREEMAN ........................................Geography
A. B., Albion College; M. S., University of Michigan; Ph. D., Clark University.

ESTHER GINGRICH ......................................Art
A. B., University of Washington; M. A., Columbia University.
Graduate study Carnegie Institute of Technology.
EVELYN GOODSELL .............................................. Public School Music
A. B., Carleton College; A. M., Columbia University. Graduate study American Conservatory, Iowa State Teachers College, Columbia University.

JOHN P. GRUBER .................................................. English
A. B., University of Indiana. Graduate study University of Wisconsin, State College of Washington, University of Washington.

RAYMOND F. HAWK .................................................. Education, Psychology
A. B., Depauw University; A. M., Leland Stanford Junior University. Graduate study and research State College of Washington.

MARIE HOLLINGSHEAD ............................................. Speech
B. S., M. S., Northwestern University.

H. E. HOLMQVIST .................................................. English
A. B., Leland Stanford Junior University. Graduate study University of Washington.

JOSEPH W. HUNGATE .............................................. Biology
A. B., State College of Washington; M. S., Cornell University. Graduate study and research University of Washington, University of California.

CEYLON S. KINGSTON ............................................. History, Social Science
A. B., St. Lawrence University; A. M., University of Michigan. Graduate study and research Columbia University, University of Washington.

JAMES S. LANE ..................................................... Industrial Education
B. S., Oregon State College. Graduate study Oregon State College.

CHARLOTTE LANG ................................................. Laboratory Schools, Intermediate
B. S., A. M., Columbia University.

LEILA LAVIN ...................................................... Laboratory Schools, Spokane Supervisor
A. B., University of Washington; A. M., Columbia University. Graduate study University of Washington.

MARION A. LAWTON .............................................. Music Theory, Violin

MARGARET McGRATH .............................................. Laboratory Schools, Primary
A. B., University of Minnesota; A. M., Columbia University.

EDWIN H. MINER .................................................. Education, History, Psychology
A. B., Dartmouth College; A. M., Columbia University. Graduate study University of Pennsylvania.

EUNICE NELSON .................................................. Social Science
A. B., University of Wisconsin; A. M., Columbia University. Graduate study University of California, University of London.

EVELYN PETERSON .............................................. Laboratory Schools, Intermediate
A. B., A. M., University of Iowa.
OMER O. PENCE ........ Laboratory Schools, Principal Junior High
A. B., A. M., University of Washington. Graduate study
University of Washington.

MARY W. PORTER ................... Physical Education
Sargent School of Physical Education. Additional study
University of Washington.

W. B. REESE ................. Coach, Physical Education
A. B., State College of Washington. Graduate study State
College of Washington.

WALTER W. RISTOW ............. Geography
A. B., University of Wisconsin; A. M., Oberlin College.
Graduate study Clark University.

WILLIAM LLOYD ROWLES .......... Music Theory, Organ

SAMUEL F. SHINKLE ............. Education, Psychology
A. B., A. M., State College of Washington. Graduate study
University of Chicago, University of Washington.

MARY SNYDER ................ Speech
B. S., M. S., Northwestern University.

HELEN B. STOLTE ............. Laboratory Schools, Intermediate
A. B., Nebraska State Teachers College; A. M., University of
Iowa.

MARY G. SWERER ........ Art
Graduate, Pratt Institute. Additional study School of Fine
and Applied Arts, University of Chicago, New York University,
Columbia University.

W. HAROLD TALLYN ............... Physical Sciences
B. S., Shurtlef College; M. S., University of Illinois.

RALPH E. TIEJE ................ English
A. B., A. M., Ph. D., University of Illinois. Graduate research
Columbia University.

L. V. TYLER ................... Social Science, History
A. B., A. M., State College of Washington. Graduate study
University of Oregon, University of Colorado.

GEORGE W. WALLACE .............. Psychology, Education
A. B., A. M., State College of Washington. Graduate study
Leland Stanford Junior University, University of Washington.

VIRGINIA WHEELER ............... Art
A. B., A. M., University of Missouri. Graduate study
University of Missouri.

OBED J. WILLIAMSON .............. Philosophy of Education
B. S., University of North Dakota; M. A., Ph. D., Columbia
University.

ARTHUR C. WOODWARD .......... Physical Education
B. S., University of Vermont. Graduate study Harvard Uni-
versity, University of Illinois, University of Southern Cali-
fornia.
GENERAL INFORMATION

ACCREDITATION

The college is accredited by the American Association of Teachers Colleges and by the Northwest Association of Secondary and Higher Schools. Students in good standing who wish to transfer to other recognized institutions of higher learning will receive full credit for all courses satisfactorily completed.

ADMISSION

All communications regarding admission and graduation requirements should be addressed to the Registrar.

**Freshmen.** The completion of a four-year high school course or its academic equivalent is required for admission to the Freshman class. Freshmen may enter the college at the beginning of any quarter. Credentials should be filed with the Registrar not less than two weeks previously to registration. Official blank forms for high school records are furnished to principals or prospective students on request.

**Transfers.** Credits will be accepted from all accredited institutions of higher learning. Applicants for advanced standing must furnish complete official transcripts of their records in schools and colleges formerly attended together with catalogs giving detailed information regarding courses completed. Transcripts should be filed with the Registrar not less than two weeks previously to registration.

**Non-matriculated Students.** Individuals who are twenty-one years of age may be admitted without having completed a high school course, but are ineligible for graduation until preparatory deficiencies have been removed.

**General College Students.** High school graduates who are not interested in preparing to teach may be admitted to the Freshman class to do general college work. General college students may transfer from one to two years of credit to colleges and universities which offer professional, arts and science, or technical curricula.
ATHLETICS

The athletic program of the college includes varsity competition in football, basketball, track, tennis, and golf. The college is a member of the Washington Tri-Normal Athletic Conference.

In addition to the varsity competition complete schedules are maintained for the "Papooses," or junior varsity, in football and basketball. Every male student who wishes to do so has an opportunity to participate in properly supervised competitive sports.

Woodward Field is laid out with a quarter-mile cinder track, a baseball diamond, and a football field.

Men winning the varsity "W" are eligible for membership in the Men's "W" Club, an organization which fosters the ideals of sportsmanship and loyalty to the college.

BUILDINGS AND EQUIPMENT

The following brief descriptions will convey a general idea of the buildings of the campus and of the purposes for which they are used.

The Administration Building, the central structure on the campus both as regards location and activity, rises to three stories of brick and ornamental stone. It contains class rooms, laboratories, the administrative offices of the college, and a large and beautifully decorated auditorium equipped with scenery, electrical apparatus and a 3-manual Kimball pipe organ. The Lyceum Courses of the college each year bring to this auditorium many artists of note both in the musical and in the dramatic worlds.

The physical equipment of the music department is a matter of general interest. Besides the excellent organ it includes 3 small grand pianos, 1 Steinway concert grand, 10 upright pianos, 1 bass viol, 8 violins, 1 viola, 1 violoncello, 4 clarinets, 2 E flat alto horns, 1 E flat tuba, 1 orthophonic Victrola, a library of 500 phonograph records, a large library of orchestral and choral music, large class rooms for music methods and theory, and studios for instruction in piano, violin and voice.
The gymnasium, locker rooms and showers are contained in this building, which also provides an indoor golf driving tee and net, a shuffle board court, and equipment for archery, field hockey, jolly ball, soccer, football, baseball, track, playground ball, basketball, boxing, wrestling, horseshoe, volleyball, and water polo. The athletic library and the indoor swimming pool are valuable adjuncts to this outlay.

On the third floor is the main library, the center of the intellectual life of the campus, which contains a large reading room and over 37,000 volumes, with two special collections of interest: (1) The Northwest Collection—a valuable group of books dealing with the history of the Pacific Northwest; (2) the rare and unusual books, known as the “Q collection”—valuable out-of-print books, first editions, books of unusually fine illustrations, expensive art books, etc.

For purposes of study the division of biology possesses collections of the native plants and animals of the region, which include some fourteen hundred plants, two hundred and fifty reptiles and amphibians, two hundred mammal skins and over a hundred bird skins. These collections are all cataloged and named and are used as study specimens when needed.

The physical science department is equipped with modern apparatus for slide and motion picture projection, a fine library of maps for geographical study and a large and interesting collection of specimens of local rocks and minerals.

The physical equipment in the clothing laboratory of the division of home economics includes sewing machines, ironing boards, cutting tables, triple mirrors, irons, fitting platform, a show case for hanging garments, etc. The foods laboratory contains a dining room for demonstration work, a dining table, a serving table, a buffet, a modern electrified kitchen with individual electric plates, a refrigerator and an electrical incinerator.

The art division of the college contains a complete collection of prints of great works of art which provides opportunity for study and critical analysis. On the third floor are easels and other equipment for art work.

The new, modern Laboratory School Building, for which the ground was broken on March 13, will be ready for occupation during the school year 1936-37. It will be done in beautiful architectural design at a cost of $275,000, and equipped
to facilitate work along progressive educational lines. The first floor will contain the health suite, the gymnasium and auditorium, a teachers' rest room, the offices of the Director of the Laboratory School and the Research Division, and suites of rooms for the kindergarten, first, second and third grades. On the second floor will be the fourth, fifth and sixth grades, the psychologist's office, the school library, the art and music studios, the food and clothing laboratories and a spacious cafeteria.

The art and music studios will be fully equipped for all kinds of creative work, including easels, water colors, materials for calcimine painting, and instruments such as triangles and cymbals for the children's rhythm band. The music studios will be equipped with an adequate number of Victrolas and pianos.

The Laboratory School Library will comprise, as it now does, approximately 5,000 volumes, 14 periodicals, a boys' and girls' newspaper, the Keystone Visual Set (2 lanterns, 900 lantern slides, 900 stereographs), the Underwood Visual Set (1000 stereographs), 5 reference sets, 3 nature libraries, a large globe, several fine maps, 7 collections of children's stories and classics, and a cabinet of approximately 3,000 mounted pictures. The Laboratory School Library is a member of all four sections of the Junior Literary Guild, and has all Newberry prize books.

The dormitories—Senior Hall, Monroe Hall and Sutton Hall—are modern and fully equipped homes, the first two for women and the latter for men. Students find the grand pianos, the modern radios, the large lounge rooms for reading, dancing and receptions, the candy kitchens and the laundry rooms conducive to their comfort. All residents of the halls take their meals in the dining room of Monroe Hall.

The Industrial Education Building houses the college print shop and the class rooms, the drafting rooms, and the laboratories of the department of industrial education.

**CAMPUS**

The campus of the college contains about 40 acres of land in the west part of Cheney just three blocks from the Columbia Basin Highway. In about the center of the campus are
located the Training School and the massive Administration Building. The president's residence is situated near Senior Hall, a modern dormitory for women in the northwest part of the campus. The west campus is mainly occupied by Monroe Hall, the Industrial Education Building, tennis courts and the athletic fields. Woodward Field affords one of the finest football turfs in the state and contains a quarter-mile track. Sutton Hall, a large dormitory for men, is on the south. A new Laboratory School Building is under construction in the block between Sutton Hall and Woodward Field. The college buildings are situated on a hill overlooking the town of Cheney and the pine forest eastward. The campus, moreover, is pleasingly planted with trees and shrubs.

**CAMPUS ACTIVITIES**

Through campus organizations students enjoy associations with fellow students and personal contacts with members of the faculty. Membership in an organization gives an opportunity to develop initiative and leadership. The college sponsors organizations for all interests—professional, athletic, service, scholarship and honorary.

**Athletic**

*Women's "W" Club.* The Women's "W" Club includes all women who have earned a letter in Women's Athletics. The purpose of this organization is to sponsor Women's Athletic programs and develop student leadership.

*Men's "W" Club.* The Men's "W" Club includes all men who have been awarded a letter in a major sport in recognition of their service on the college team.

**English and Speech**

*English Club.* The English Club is for the purpose of studying various types of literature and to develop an appreciation of literature.

*Masquers.* The aim of the Masquers is to foster and promote interest in dramatics, and to produce and manage college plays.
Parnassus. Parnassus is a poetry club organized for the purpose of developing an appreciation of poetry and to promote an interest in creative work.

General

Associated Students. Student government places the responsibility of student life, conduct, habits, development and experience with the entire student body as a group. The students are organized for the purpose of advancing the best interests of the college, and for promoting and managing campus activities.

Women's League. The Women's League comprises in its membership all the women students. It seeks to promote the general welfare of this group and to discuss the problems specifically involving its well-being. The League sponsors scholarship by awarding the Working Girl Scholarship each quarter and a scholarship cup which is awarded each quarter to the group having the highest grade point average. Each quarter the League provides at least one social event for all the women students on the campus.

Honorary

Key. The Key Society was organized to promote high standards of scholarship. A grade point average of over 2.00 for four quarters is a requisite for election.

Kappa Tau. Kappa Tau is an honorary education society organized for the purpose of promoting professional interest on the campus. Members are selected on the basis of scholarship and promise of success in the teaching profession.

Scarlet Arrow. Scarlet Arrow is an honorary organization for outstanding men on the campus who have shown leadership and have taken an active part in the promotion of college spirit.

Music

Euphonia. The Euphonia Club is a music honorary organized to increase student interest in music and to encourage the presentation of better music programs.
A Cappella Choir. The choir has a membership of twenty-six to twenty-eight mixed voices. Several concert trips throughout the Inland Empire are made each year by this organization.

Pep Band. The Pep Band is composed of both men and women students. They represent the college in many events and play at all athletic contests in which the college participates.

Play Hour Orchestra. The Play Hour Orchestra is the dance orchestra which plays for the social dancing which is held at the college each week on Tuesday nights from seven until eight o'clock. Dancing and programs are given on Friday and Saturday nights. All persons playing in the dance orchestra are paid for their services. Try-outs are held at the beginning of each quarter.

Professional

Alpha Sigma. Alpha Sigma is an honorary Art Club, organized to foster an interest in art, and to give an appreciation of art to other students in the college.

Association for Childhood Education. The American Childhood Education Association, a unit of the National Educational Association, was organized for the purpose of aiding primary teachers.

Classroom Teacher Council. The Classroom Teacher Council, a unit of the National Education Association, was organized to afford occasion for discussion of questions pertaining to teaching in the intermediate grades.

Deutscher Verein. The Deutscher Verein is for furthering the interest in German, and is organized for both social and educational purposes for the German students.

Ellen H. Richards. The Ellen H. Richards Club, which is affiliated with the National Organization, is for furthering the purpose and spirit of Home Economics on the campus.

Forum Club. The Forum Club is organized to discuss contemporary events, problems and issues in the fields of economics, sociology and politics. Members are selected on the basis of interest in such discussion and evidenced by a try-out speech.
Geography Club. The Geography Club is organized for the purpose of sponsoring visiting speakers and lecturers.

Le Cercle Francais. Le Cercle Francais is organized to bring together all students interested in French.

Junior High School Forum. The Junior High School Forum is to further interest in educational problems and to acquaint students with the problems in the Junior High School field.

Press Club. The Press Club aims to further the work of the college weekly newspaper. It is open to students who are, or have been, actively engaged in journalism work.

Honorary Service

Intercollegiate Knights. Intercollegiate Knights is a national undergraduate men's service organization which emphasizes the promotion of the spirit and traditions of the college.

Tawanka. Tawanka is a women's honorary service organization, the purposes of which are to extend hospitality to campus visitors, to foster college spirit, to promote interest in activities in which the student body participates, and to maintain campus traditions.

CERTIFICATION

There are three curricula leading to certification:

(a) The four-year curriculum of twelve quarters. Students completing this curriculum receive the degree of Bachelor of Arts in Education and a teaching certificate valid for five years.

(b) The three-year curriculum of nine quarters. The diploma authorizes the holder to teach for five years.

(c) The one-year curriculum open to college and university graduates who wish to prepare for teaching in the elementary and junior high school grades. Students completing this curriculum receive the degree of Bachelor of Arts in Education and a teaching certificate valid for five years.

Certificates and diplomas (except life diplomas) are issued at the close of each quarter. Life diplomas are issued at the end of the spring and summer quarters. Formal graduating exercises are held only at the close of the spring quarter.

For further information see "Life Diplomas."
CHILDREN'S THEATRE

As an adjunct to the courses in Creative Dramatics, the college maintains a Children's Theatre, which gives at least two performances a year. The aim is to stage not only plays for children, but plays by children. Creative Dramatic work is conducted under supervision of the college instructors both in the Training School and in the Junior High School. From this work are developed the public performances of the Children's Theatre, a distinctive organization of its kind in the Northwest.

CLASSIFICATION

Students having fewer than forty-two quarter credits are classified as freshmen, those having between forty-two and eighty-nine as sophomores, those having between ninety and one hundred thirty-seven as juniors, and those having one hundred thirty-eight or more as seniors.

DEGREE

The Washington State Legislature at its 1933 session empowered the Normal schools of the state to grant the degree of Bachelor of Arts in Education. The bill was signed by Governor Clarence D. Martin and became effective at midnight June 7, 1933.

DEPARTMENTAL ORGANIZATION

The different lines of instruction offered by the institution are organized in eight departments as follows:

Applied Sciences and Arts

{ Art
  Biology
  Home Economics
  Industrial Education

Education

{ Education
  Psychology

History and Social Science

{ History
  Library Science
  Social Science
Laboratory Schools

Language and Literature

- English
- Modern Languages
- Speech

Music

Physical and Health Education

- P. E. for Men
- P. E. for Women

Science and Mathematics

- Geography
- Mathematics
- Physical Sciences

EXPENSES

Board and Room. Board and room at the halls of residence is $6.25 a week. There is a charge of 50 cents a quarter to cover the cost of magazine and newspaper subscriptions. No reduction is made for week-end absences. Four-fifths of the board cost is deducted for vacations or absences on account of illness of more than three days.

Board and room can also be secured at reasonable rates in private homes off-campus. For information address the Dean of Women, or the Dean of Men.

Student Activities Fee. Each student pays an activities fee of $6.00 a quarter, which is distributed to different funds: athletics, lectures and entertainments, social life, and The Journal.

Library Fee. Each regularly enrolled student pays a library fee of $2.00 a quarter. The funds so collected go for the upkeep of the library.

Health Fee. Each regularly enrolled student pays a health fee of $2.00 a quarter which goes toward meeting expenses connected with the health of the students.

Withdrawal. Students withdrawing from the college during the first two weeks of a quarter are entitled to a refund of $8.00 on the above fees, but thereafter no refund is given. Students who have received this refund, but who later in the quarter desire reinstatement, must pay an enrolment fee of $9.00.

Students wishing to withdraw must secure clearance slips at the Business Office.
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Books. Books, note-books, and writing supplies usually cost from $5.00 to $10.00 a quarter.

Music Fees. Payment of a fee of $15.00 entitles the student to a series of weekly, half-hour, private lessons in applied music for the duration of one quarter. Payment of a $30.00 fee entitles the student to a series of twice-weekly, half-hour, private lessons for the duration of one quarter.

Pianos may be rented at $3.00 a quarter for one hour of practice daily. For two hours daily the charge is $5.00 a quarter.

Violins for practice may be rented at $1.40 a quarter.

For practice on the auditorium organ the charge is twenty cents an hour.

Charges for the rental of musical instruments are payable the second week of each quarter.

Laboratory Fees. Laboratory fees are charged in certain courses in Art, Biology, Chemistry, Education, Home Economics, Industrial Education, Geography, Typing, Physics, and Speech. In most cases these fees do not exceed one dollar each. In some courses the student must also pay for the material used. Laboratory fees are payable the second week of each quarter.

Kinnikinick Fee. The constitution of the Associated Students provides that each student receiving a diploma at the close of the fall and winter quarters, and each student enrolling at the opening of the spring quarter, must pay $2.50 for the Kinnikinick, the college annual. No student, however, is required to pay this fee twice in the same year.

Graduation Fees. Students who are successful candidates for the degree of Bachelor of Arts in Education are subject to a fee of $5.50. This amount includes the fee for the diploma of graduation which is prerequisite for the degree and the fee of $1.00 which is remitted to the County Superintendent of the county in which the diploma is first registered. The diploma constitutes a certificate to teach in the elementary and junior high school grades of the State of Washington for a period of five years.

Students who are successful candidates for graduation from the three-year curriculum or from the college graduate curriculum are subject to a fee of $3.50. This amount in-
cludes the fee for the diploma of graduation from the three-year curriculum or the college graduate curriculum and the fee of $1.00 which is remitted to the County Superintendent of the county in which the diploma is first registered. The diploma constitutes a certificate to teach in the elementary and junior high school grades of the State of Washington for five years.

**Earning Part of Expenses.** Those students who need to earn part of their expenses will find a limited number of opportunities at the college for so doing. Regular monthly employment at the college is given only to students who live on the campus. There are also opportunities for work in the town of Cheney. Students expecting to earn part of their expenses should plan to carry less than the standard schedule of class work.

**EXTENSION**

The Extension Division offers work which is helpful to those who wish to increase their training without giving up their positions, to those who wish to specialize, and to those who wish to earn college credits.

Twelve credits earned in extension and/or correspondence courses may be counted toward the work of the senior or of the junior year. In exceptional cases twelve credits from such courses may be counted toward the work of the sophomore year. The privilege of counting extension or correspondence credits toward the work of either the senior, the junior, or the sophomore year is not cumulative, but such work must be taken during the year toward which the credits are to apply. A total of 24 credits taken in the extension division may be counted toward the degree of Bachelor of Arts in Education.

Students with less than sophomore standing are not permitted to enrol in correspondence courses. Correspondence courses may not be completed in less than one quarter, and should be finished in not more than one year from the date of enrolment. Neither correspondence nor extension courses may be carried while a student is in residence. Not more than nine credits may be earned in extension and correspondence courses in any one quarter.

A bulletin giving complete information concerning correspondence courses will be mailed upon request. All inquiries
should be addressed to the Extension Division, Washington State Normal School, Cheney, Washington, and checks or money orders are made payable to Cheney Normal.

**GUIDANCE AND WELFARE**

Student guidance is cooperatively provided by the officials and instructors of the college in connection with the performance of their duties as dean, registrar, college nurse, research bureau director, placement bureau director, major adviser, residence hall director, or instructor. Every effort is made to aid students with problems concerning the selection of schedules, academic progress and regulations, finances and part-time employment, health, social adjustment, living conditions, placement, and any other matters which pertain to personal welfare.

The college seeks to help each student toward the selection of courses and activities which will meet his individual needs and be most likely to contribute toward success in his life work and toward the development of a well rounded personality. Students are encouraged to arrange conferences regarding matters of personal and group interest.

The Dean of Men and the Dean of Women have general responsibility for student welfare and welcome correspondence and conferences with both parents and students. Students look to the Registrar and to their major advisers for guidance in matters relating to schedule selection and to the operation of the curriculum, but are free to consult the deans at any time. Health problems are the particular concern of the College Nurse.

**HISTORY**

The Washington State Normal School at Cheney was created by an act of the Legislature, approved March 22, 1890, and is the oldest of the state normal schools in Washington. The school opened October 13 in the same year with an initial enrolment of 16 pupils. Since its establishment the school has issued 13,915 diplomas and certificates of all kinds to Washington teachers. Of this number, nine-tenths have been issued since 1912—during the last half of the school's history.

There were few high schools in 1890 and it required many years thereafter to adequately develop secondary education. During this time a large part of the enrolment consisted of
preparatory pupils. In 1917 the Legislature made high school graduation necessary for admission to the normal schools and the same Legislature authorized third-year and fourth-year courses, but the four-year course did not go into effect until 1920. A steady growth in the enrolment of the upper division years followed and in 1933 the Legislature conferred on the State Normal Schools the power to grant the degree of Bachelor of Arts in Education, thus giving the institutions the full rank of teachers' college.

LABORATORY SCHOOLS

The purpose of the Laboratory Schools is to help the student teacher to become a thoughtful and alert student of education rather than to make him immediately proficient in teaching.

Student teachers have the opportunity of observing actual teaching by expert teachers, of doing student teaching under the supervision of a well-trained staff, and of seeing the administrative details of school work in operation. Student teaching is done in the elementary school on the campus, in the junior high school two blocks from the campus, and in elementary and junior high schools in the city of Spokane.

LIBRARY

The college library consists of more than 37,000 volumes and is in four collections: The Main Library, the Northwest History Collection, the Training School Library, and the Industrial Education Library. The Northwest History Collection is housed with the main library. The Industrial Education Collection is kept in the Industrial Education building. The Laboratory School Library is in the Laboratory School building, and is under the supervision of a children's librarian.

Although the main collection is primarily a reference library, most of the books are available for circulation. Library hours are 8 a.m. to 5 p.m.; 7 to 9:45 p.m.; Saturdays, 9 to 12 a.m. only.

LIFE DIPLOMAS

To secure a life diploma the holder of a normal school diploma must furnish evidence of twenty-four months of successful teaching experience and complete one additional quar-
ter of normal school training. It is expected that this additional quarter of work shall be done at the normal school where the original diploma was granted. The number of quarter hour credits now required for the life diploma is 159.

**LOAN FUND**

The Students' Loan Fund has come from many sources—student donations, receipts from entertainments, gifts from public spirited citizens, and interest accumulations.

While it is not possible to completely finance a student through any large part of his course, it serves a very useful purpose in bridging over many difficulties of a limited or temporary character. Students in the junior and senior years may borrow up to $50.00 and sophomore students may borrow $25.00. Freshmen are not eligible to borrow from the fund.

The signature of a responsible party is necessary in addition to that of the borrower. The length of time the loan may run is twelve months and the interest rate is 6%.

**LOCATION**

Cheney is sixteen miles distant from Spokane by rail and nineteen by the Columbia Basin highway. Transportation is furnished by the Chicago, Milwaukee and St. Paul; the Northern Pacific; the Union Pacific; and two motor bus lines. Students planning to come to Cheney over the Spokane, Portland and Seattle Railroad should change to the Northern Pacific at Pasco, or continue into Spokane, since there is no Cheney station on the S. P. and S.

**MUSIC**

In addition to the well-rounded curriculum in music methods, theory and applied music leading to the three or four-year major in music, the Concert Orchestra, A Capella Choir, Chorus and other vocal and instrumental ensembles provide opportunities for rich experience in operettas, oratorios and various concert programs during the year. The A Capella Choir makes numerous short concert trips to Spokane and towns in the Inland Empire each year.

The music department sponsors the Eastern Washington Music Meet every spring in which more than five hundred high
school students participate. This was inaugurated in April, 1932.

Euphonia, a student music society, does much to stimulate worthwhile musical activities on the campus. It offers a scholarship each quarter to a deserving student for private lessons in Piano, Voice, or Violin.

**PHYSICAL EDUCATION**

It is the aim of this department to give the student an understanding of the requisites of good health and sanitation in the adult, the child, and the community, and to lay a foundation which will enable the teacher to be of real health service in the school and the homes of the community.

The work of the division includes physical education, corrective exercises, their study and application, and the study of physiology, general and personal hygiene, and sanitation.

All students are required to take a health examination each year. Two hours a week of physical education activity courses are required of all students for three years.

**PLACEMENT BUREAU**

All recommendations to teaching positions are made through the Placement Bureau. Each student is required during the last quarter before graduation to leave with the Placement Bureau a photograph and full set of credentials covering his academic preparation and teaching experience. Complete files are kept for each graduate, together with a card index of his work and preparation. School boards, principals, and superintendents who are in need of teachers should communicate with the Director of the Placement Bureau, Washington State Normal School, Cheney, Washington. Graduates from other teacher training institutions may enrol with the Placement Bureau when they have completed two quarters’ work at Cheney. Checks or money orders for this service are made payable to Cheney Normal.

**PRELIMINARY TESTS**

In order to find out student needs and facilitate adjustment, as well as determine achievement in certain fields, preliminary tests are given all entering students.
Exemptions from the preliminary tests must be approved by the Registrar.

The 1936 fall quarter preliminary tests will begin promptly at 9:00 o'clock, Tuesday morning, September 15. Freshmen who are not present at that time will be subject to a late registration fee of $1.00.

QUARTER SYSTEM

The college is operated on the four-quarter system, each quarter having approximately twelve working weeks. The quarter system permits students to do a full quarter of work in the summer. Students attending consecutive quarters—fall, winter, spring, and summer—can complete the four-year curriculum in three calendar years and the three-year curriculum in two and one-fourth calendar years.

REGISTRATION

Penalty. Students are expected to complete their registration by 5 o'clock on the first day of the quarter. Regular students who do not complete their registration by the close of the first day of the quarter are subject to a late registration fee of one dollar. Exception is made when delay in registering is occasioned by officials of the college. Individuals who wish to register after the first day of the quarter should report to the Registrar.

Dates. The registration date for each of the quarters of the year 1936-7 will be found in the calendar in the front of this catalog.

Directions. Students begin registration under the direction of an adviser, continue by signing enrolment sheets for entry into classes, and conclude registration by the payment of fees in the Bursar's Office. Detailed directions for registering on the first day of the quarter are to be found in the time schedule, copies of which may be secured at the Registrar's Office.

Freshmen. At the beginning of the fall quarter Freshmen are required to be present at 9 a.m. on the day preceding the first day of the quarter. Those Freshmen who are not present at the required time are subject to a late registration fee of one dollar. In the fall of 1936 Freshmen are expected to be present at 9 a.m. on Tuesday, September 15.
Preregistration. During each quarter there is a period of preregistration for the following quarter. Students who are not in residence or who have special problems may make appointments with the Registrar to preregister during the preregistration period. Students transferring from other colleges will find it advantageous to preregister. Preregistration dates will be found in the calendar in the front of this catalog.

Registration Changes. Permission to add a course after registration has been completed is given by the Registrar.

Permission to drop a course after registration has been completed is given by the Registrar or Dean.

A student who receives permission to drop a course or who withdraws from the college up to and including Monday of the fifth week of a quarter is entitled to the grade “Dropped.” After Monday of the fifth week of a quarter a student who receives permission to drop a course or who withdraws is entitled to only such grade as the instructor considers consistent with the student’s class rank to date. However, when there are extenuating circumstances approved by the Registrar or Dean, the student is entitled to receive the grade “Dropped.”

RESEARCH BUREAU

The Bureau of Research is an agency for the study of administrative, curricular, personnel and general educational problems of the college. Researches in the fields of elementary and junior high education are continually in progress.

The bureau cooperates with committees from other institutions, state educational agencies, and other research agencies engaged in surveys and experimental work.

Personnel records of all persons enrolling in the college are kept by this office as a part of the guidance program.

Opportunity for actual experience in research procedures is offered to properly qualified students.

SCHOLARSHIPS AND PRIZES

The Clarence D. Martin Scholarship. Clarence D. Martin offers an annual scholarship of $150 to a man in his junior year who most nearly fulfills the following conditions: scholarship, character, and general achievement. The com-
mittee in charge consists of Mr. Kingston and Dean Wallace. Established 1923. Holder for 1936-7: Howard Clodius.

The Ralph Earle Tieje, Junior, Memorial Scholarship. Dr. and Mrs. Ralph E. Tieje offer an annual scholarship of $100.00 to an English or Speech major in his senior year, upon recommendation of the Department of Language and Literature. Applications are to be made in writing to Mr. Ralph K. Allen. Established 1934. The holder in 1936-7: George Howeller.

The Tawanka Scholarship. To a deserving woman in her senior year the Tawankas annually award a scholarship of $50.00 on the conditions of outstanding scholarship and personality together with leadership in student activities. The committee in charge consists of Dean Nelson, Mrs. Anderson, Miss Dustin, Miss Wilson, and Dean Wallace. Established 1932. Holder in 1936-7: Carlita Dreblow.

The Euphonia Scholarship. Three awards annually are made by the Euphonia club, each providing a quarter's instruction in one of the following: voice, piano, organ, or a stringed instrument. The committee, consisting of representatives from the music department, the deans' offices, and the Euphonia organization, bases its selection on worthiness and promise. Established in 1932. Holders in 1935-1936: Frances Clark, Piano (fall); LaVerne Houghton, Voice (winter).

The Women's League Scholarship. The scholarship of $10.00 is awarded quarterly to the woman student who makes the highest scholastic average while earning part of her expenses through part-time employment. Established 1925. Holders in 1935-1936: Marjorie Burrow (fall); June Armstrong (winter).

The Martin Prize in Oratory. The Martin oratorical contest is held annually under the auspices of the Department of Language and Literature. Three prizes of $50.00, $30.00, and $20.00 are offered by Mr. Clarence D. Martin of Cheney, an alumnus and patron of this institution. Students expecting to enter the contest should enroll in Speech 201. Established 1925. Winners in 1936: Maurice McKay (first prize); Leroy Tempest (second); Patrick Kane (third).
The Scarlet Arrow All-School Award. On the basis of character, achievement, leadership, and self-support, a plaque is awarded to a student in his second or subsequent year by the Scarlet Arrow. The committee in charge consists of Miss Persons, Dean Nelson, Dean Wallace, Miss Dustin, and Mr. Woodward. Established 1933. Awarded in 1935 to Claire Harris.

The Scarlet Arrow Athletic Award. This award is given twice each year, first to the outstanding football man, and secondly to the outstanding basketball man. The basis of selection is sportsmanship, cooperation, inspiration, and leadership. The respective varsity teams choose the outstanding player of the season. Established 1933. Awarded fall 1935 to Ray Cronrath and winter 1936 to Ray Danekas.

SCHOLASTIC HONORS

Students who are graduated with a grade point average of 2.25 or better in a three-point system for all courses taken in residence are designated Honor Graduates.

Students who have been in residence at least four quarters and whose grade point average is 2.00 or better are eligible for membership in the honor organization known as the Key Society.

SCHOLASTIC REGULATIONS

1. Credits are reckoned in terms of recitation periods. The net length of each recitation period is fifty minutes. One credit requires one class period a week for one quarter. Forty-eight credits exclusive of Physical Education Activities (P. E. 4 or P. E. 13), constitute one year's work. In laboratory work two fifty-minute periods are required for one credit hour.

2. The standard student load is from fifteen to seventeen credit hours a week exclusive of Physical Education Activities (P. E. 4 or P. E. 13). Students who are in the first quarter of their Freshman year may not carry more than sixteen credit hours a week exclusive of Physical Education Activities.

3. Students who wish to carry more than a standard load may, provided they have a grade point average of 2.00 for all quarters to date or a grade point average of 2.00 during the
three previous quarters, petition the Registrar for permission to carry an overload. The maximum load may not exceed twenty credit hours a week exclusive of P. E. Activities.

4. The grading scale is A (superior); B (excellent); C (average); D (below average); Failed; Incomplete. The grade "Incomplete" is given only when the quality of the work is satisfactory but, for reasons acceptable to the instructor, the course has not been completed.

5. Grade points are computed on the basis of 3 points for each quarter hour credit of A; 2 for each quarter hour credit of B; 1 for each quarter hour credit of C; 0 for each quarter hour credit of D; and \(-1\) (minus one) for each quarter hour credit of Failed. The grade of "Incomplete" is disregarded in the computation of points.

6. The grade point average is the quotient of total points divided by the total quarter hours in which the grades A, B, C, D, and Failed are received.

7. Students must have a grade point average of 1.00 or better in all credits earned in residence at Cheney in order to receive a degree or diploma from any curriculum offered by the college. Extension and correspondence credits are not counted in this reckoning.

8. Students must also have a grade point average of 1.00 or better in all credits earned in residence at Cheney in order to do Student Teaching. Extension and correspondence credits are not counted in this reckoning.

9. No student may graduate from or receive any diploma from the college with less than a year (3 quarters) of attendance and forty-eight credits earned in residence. Extension and correspondence courses may not be counted as being done in residence.

10. All correspondence courses must be completed outside of the residence quarters.

11. The last quarter of the student's work before graduation must be taken at Cheney.

12. Candidates for graduation from any curriculum are required to file with the Registrar, not later than three weeks after the opening of the third quarter preceding graduation, a copy of their proposed schedules of courses for the three quarters preceding graduation.
SPECIAL STUDENTS

Special students are those enrolled in not more than two courses exclusive of Physical Education Activities (P. E. 4 or P. E. 13), or for more than six credits exclusive of Physical Education Activities (P. E. 4 or P. E. 13). The enrolment fee for special students is $2.00.

STUDENT LIVING

The college regards comfortable, healthful, and congenial living conditions for students as very important. Living conditions of the right kind not only aid students to do the best work in their studies but also through the experience of group life contribute to the building of character and personality. Hence, careful consideration is given to proper living conditions for students through provision of institutional halls of residence on the campus and through supervision of living conditions of students outside the dormitories.

Dormitories. Halls of residence are maintained for both men and women students of the college. The men live at Sutton Hall and the women at Senior and Monroe Halls. Students who room at either of the three halls dine at Monroe Hall. Students are not permitted to board off-campus while living in a dormitory.

The object of the halls is to provide comfortable, democratic living conditions conducive alike to successful academic achievement and to complete participation in the wholesome activities of campus life. Living conditions within the halls are made as nearly like those of a good modern home as possible. In addition, the method of government, the distribution of responsibility, and the opportunities for sharing in all the privileges and activities of a congenial social group are such as to promote social coherence and develop college spirit.

Beds, mattresses, pillows, sheets, pillow cases, chairs, study tables, and one double blanket for each bed are furnished. Students provide their own towels and such extra bedding as they may desire. Occupants take care of their own rooms. Bath, trunk room space, and laundry facilities are provided.

Dormitory Rates. The cost of board and room at the residence halls is $6.25 a week. There is an extra charge of 50
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31 cents each quarter to cover the cost of magazine and newspaper subscriptions. No reduction is made for week-end absences. Four-fifths of the board is deducted for vacations or absences on account of illness of more than three days.

Guest rates are as follows: breakfast or luncheon, 25 cents; dinner, except Sunday, 40 cents; Sunday dinner, 50 cents.

Payments for board and room are made three times each quarter on call of the Bursar's Office. The first payment covers the first four weeks, plus the fifty-cent charge for subscriptions, while the second payment covers the second four weeks. The third payment covers the remainder of the quarter less deductions for vacations or absences on account of illness, and plus guest charges for the quarter. When a student leaves at the end of a quarter, the $5.00 deposit is deducted from his third payment.

Dormitory Reservations. Rooms are reserved in the order of receipt of deposits. A deposit of $5.00 is required of each student. If the reservation is cancelled not later than five days previously to the opening of the quarter, $3.00 of the deposit will be returned; otherwise, cancellation causes forfeiture of the entire sum. Reservations are not held later than 8 a. m. on the second day of the quarter, unless special arrangement has been made in advance. The $5.00 deposit will be retained by the college as a guarantee for the protection of property used by students, and will be credited on the final payment of board, less any deduction for breakage or unusual damage to furnishings.

The first meal in the 1936 fall quarter will be breakfast on Tuesday, September 15, but the rooms in all dormitories will be ready for occupancy Monday evening, September 14.

Checks for room deposits should be made payable to Cheney Normal and mailed to the Bursar's Office, Washington State Normal School, Cheney, Washington. Assignment of rooms will not be made until the Friday before the quarter opens. Room reservations are not transferable.

Separate deposits and reservations are required for the summer quarter.

Dormitory Withdrawals. Permission to move off-campus during a quarter is granted only in case of financial emer-
gency, and must be approved by the Dean and by the director in charge of the dormitory. Then two weeks' notice must be given and two dollars of the room deposit forfeited.

If illness causes the student to leave the college during a quarter, two dollars of the room deposit is forfeited.

Off-Campus Living. Board and room in private homes can be secured at reasonable rates. The list of approved rooming houses may be had, together with that of housekeeping rooms, by addressing the Dean of Women. Men and women are not permitted to room in the same house.

SUMMER QUARTER

The fourth quarter of the college year is known as the Summer Quarter. It is divided into two terms of equal length. Students may enroll for either term separately or for the entire quarter.

All types of work offered in the other quarters of the year are given in the summer. Since emphasis is placed upon the junior and senior years teachers are provided excellent opportunities to progress professionally.

For complete information write the Registrar.

TRANSCRIPTS

A student who wishes to send transcripts of his record to other institutions will be furnished the first copy without charge. A fee of $1.00 will be charged for each transcript thereafter.
CURRICULA

Introduction. Four-year, graduate, and general college curricula are offered by the college. The four-year and graduate curricula lead both to the degree of Bachelor of Arts in Education and to a teaching credential. The general college curriculum consists of courses which may be profitably chosen from the academic courses in the teacher education curricula by those not interested in teaching.

FOUR-YEAR CURRICULUM

The student who completes the four-year curriculum is granted the degree of Bachelor of Arts in Education and a certificate which entitles him to teach in the elementary and junior high schools of the state of Washington for five years.

The four-year curriculum includes requirements of several types: (1) general academic, (2) professional, (3) academic major, (4) academic minor, (5) second minor, and (6) free elective.

(1) The general academic requirements constitute about two-thirds of the work of the freshman and sophomore years and are similar to those of the first two years at other Pacific Coast colleges and universities. The required general academic courses include a balanced emphasis in applied science, English, humanities, natural science, and social science. They provide the student with a broad foundation of general knowledge and insights upon which to build a sound professional education.

(2) The required professional courses give the prospective teacher the fundamental concepts and basic skills essential for effective teaching in the elementary and junior high schools. Emphasis is placed upon laboratory experience in the classroom.

(3, 4, 5) Majors and minors are concentrated programs of related studies in fields of instruction offered by the college. The major and the first minor are selected from academic
fields. The second minor may be either academic or professional in character.

(6) The free electives enable the student to explore fields of interest which are not included among the courses taken to satisfy academic and professional requirements. Free electives also make possible additional work along lines previously begun by the student.

Students found deficient in arithmetic, English, and handwriting are required to remove the deficiency by passing sub-freshman, non-credit courses in these subjects. The deficiency must be removed before the student may enrol for Student Teaching.

### General Academic Requirements

| Art 1       | Introduction to Art                      | 4 credits |
| Biol. 2     | Introduction to Biology                  | 4 credits |
| Eng. 1      | Composition                              | 4 credits |
| Eng. 2      | Composition                              | 4 credits |
| Eng. 3      | Reading of Literature, or                |           |
| Eng. 4      | Cultural Backgrounds                     | 4 credits |
| Geog. 1     | Elements of Geography                    | 5 credits |
| Hist. 4     | United States History                    | 5 credits |
| H. Ee. 1    | Introduction to Home Economics, or       | 2 credits |
| Ind. Ed. 1  | Introduction to Industrial Ed.           |           |
| Lib. Sci. 1 | Library Techniques                       | 0 credits |
| Mus. 1      | Music Fundamentals                       | 4 credits |
| Natural Science Option—one of the following: | 4 credits |
| Biol. 51    | Zoology                                  |           |
| Biol. 61    | Botany                                   |           |
| Biol. 116   | Entomology                               |           |
| Chem. 51    | General Chem.                            |           |
| P. E. 1     | Health Education                         | 3 credits |
| P. E. 4 or  |                                          |           |
| P. E. 13    | Physical Education Activities            | 4½ credits |
| Phys. 3     | Survey of the Physical Sciences          | 4 credits |
| Psych. 1    | General Psychology                       | 5 credits |
| Social Science Option—two of the following: |           |
|             | 61 General Sociology                     |           |
| Speech 1    | Fundamentals of Speech                   | 4 credits |

Total..............................................70½ credits
State Normal School

Professional Requirements

Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed. 2</td>
<td>Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>Ed. 103</td>
<td>Public School Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Choice of:

- Ed. 124 Educational Sociology
- Ed. 134 Philosophy of Education

5 credits

Psychology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psych. 66</td>
<td>Educational Psychology</td>
<td>5</td>
</tr>
<tr>
<td>Psych. 105</td>
<td>Psychology of Childhood and Adolescence</td>
<td>4</td>
</tr>
</tbody>
</table>

Laboratory Schools

Choice of:

- L. S. 51, 52, 53 Laboratory Observation
- L. S. 54, 55, 56 Laboratory Observation
- L. S. 60, 61 Laboratory Observation

6 credits

Choice of:

- L. S. 104 Primary Student Teaching
- L. S. 105 Intermediate Student Teaching
- L. S. 106 Junior High Student Teaching

10 credits

Total

36 credits

Major and Minor Requirements

During the Freshman year all students should consider the selection of a major and during the spring quarter consult with the Major Adviser of the field chosen.

A major of approximately 36 credits, a first minor of approximately 20 credits, and a second minor of approximately 12 credits are required in the four-year curriculum.

Students who wish to major in Art, Home Economics, Industrial Education, Music, or Speech should consult Major Advisers before enrolling for their first quarter.

Majors and minors may be chosen from the following fields:

Art
Biology
Combined English-Speech
Education (second minor only)
Educational Administration (second minor only)
Catalog Number, 1936-1937

English
General Science
Geography
History
Home Economics
Industrial Education
Intermediate Teaching (second minor only)
Junior High Teaching (second minor only)
Library Science (second minor only)
Mathematics
Modern Languages (first and second minors only)
Music
Physical Education for Men
Physical Education for Women
Physical Science
Primary Teaching (second minor only)
Psychology (second minor only)
Social Science
Speech

Summary of Requirements in Four-Year Curriculum:

General academic .................................................. 70½ credits
Professional ............................................................ 36 credits
Major (approximately) ............................................. 36 credits
First minor (approximately) ................................. 20 credits
Second minor (approximately) ....................... 12 credits
Free electives (approximately) ................... 22 credits

Total ................................................................. 196½ credits

The advised sequence of courses for the four-year curriculum is as follows:

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 1</td>
<td>Introduction to Art</td>
<td>4</td>
</tr>
<tr>
<td>Biol. 2</td>
<td>Introduction to Biology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>(should be taken fall or winter quarter)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Campus Ethics</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>(must be taken fall quarter)</td>
<td></td>
</tr>
<tr>
<td>Ed. 2</td>
<td>Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>Eng. 1</td>
<td>Composition</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>(must be taken the first quarter of residence)</td>
<td></td>
</tr>
<tr>
<td>Eng. 2</td>
<td>Composition</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>(must be taken the second quarter of residence)</td>
<td></td>
</tr>
</tbody>
</table>
State Normal School

Eng. 3  Reading of Literature, or

Eng. 4  Cultural Backgrounds ......................... 4 credits
(students majoring or minoring in English or Speech must take Eng. 3 in the third quarter of residence. Students not majoring or minoring in English or Speech must take Eng. 4 before the end of the Sophomore year.)

Electives  Major and Free Electives.................. 7 credits
(Freshmen should consider the selection of a major and during the spring quarter consult a major adviser. Students desiring to major in Art, Home Economics, Industrial Education, Music, or Speech, should consult the major adviser before enrolling for their first quarter.)

Geog. 1  Elements of Geography ....................... 5 credits

H. Ec. 1  Introduction to Home Economics, or

Ind. Ed. 1  Introduction to Industrial Education...... 2 credits
(women preparing to teach in the primary grades take Ind. Ed. 1. Women preparing to teach in the Intermediate or Junior high grades may take Home Ec. 1, or Ind. Ed. 1. Men take Ind. Ed. 1.)

Lib. Sci. 1  Library Techniques ............................. 0 credits
(should be taken fall or winter quarter)

Music 1  Music Fundamentals ............................ 4 credits

P. E. 1  Health Education ............................... 3 credits

P. E. 4  P. E. Activities for Women, or

P. E. 13  P. E. Activities for Men ....................... 1½ credits

Phys. 3  Survey of the Physical Sciences ............... 4 credits

Total .................................................. 49½ credits

SOPHOMORE YEAR

Electives  Major, Minor, and Free Electives........... 9 credits
(before enrolling in their Sophomore year students should select a major and consult the major adviser. A substantial part of the electives in this year should be in the major field. Students should begin the minor before the close of the Sophomore year.)

Hist. 4  United States History ......................... 5 credits
(students majoring in History or taking Hist. 114, 115, and 116 as a minor may be excused from this course.)

Natural Science Option—one of the following: ............. 4 credits
Biol. 51 Zoology  Math. 3 Solid Geometry
Biol. 61 Botany  Math. 4 Adv. Algebra
Biol. 116 Entomology  Math. 54 College Algebra
Chem. 51 General Chem.  Phys. 61 General Physics

P. E. 4  P. E. Activities for Women, or

P. E. 13  P. E. Activities for Men ....................... 1½ credits

Psych. 1  General Psychology ............................ 5 credits
(should be taken in the first quarter of the Sophomore year.)
Psyche. 66 Educational Psychology ....................... 5 credits
(must be taken before L. S. 51-61 Laboratory Observation.)

Social Science Option—two of the following:
61 General Sociology
62 Outlines of Economics
63 Int. to Political Science .......................... 10 credits

Speech 1 Fundamentals of Speech ........................ 4 credits
(majors in Speech should take this course in the Freshman year.)

L. S. Laboratory Observation—choice of: .................. 6 credits
L. S. 51, 52, and 53, or
L. S. 54, 55, and 56, or
L. S. 60, 61

Total .................................................. 49 1/2 credits

JUNIOR YEAR

Ed. 103 Public School Systems .......................... 3 credits
(students not seeking certification to teach at the close of the junior year should postpone Ed. 103 until the senior year.)

Ed. 124 Educational Sociology, or
Ed. 134 Philosophy of Education .......................... 5 credits

Electives Major, Minor, and Free Electives ............... 30 credits

P. E. 4 P. E. Activities for Women, or
P. E. 13 P. E. Activities for Men ................................ 1 1/2 credits

Laboratory Schools—Choice of: .......................... 10 credits
L. S. 104 Primary Student Teaching
L. S. 105 Intermediate Student Teaching
L. S. 106 Junior High Student Teaching

Total .................................................. 49 1/2 credits

SENIOR YEAR

Electives Major, Minor, and Free Electives ............... 44 credits

Psych. 105 Psychology of Childhood and Adolescence .... 4 credits

Total .................................................. 48 credits

Junior Year Certification. While the four-year curriculum of the college is organized as an integrated unit, students may be certified to teach at the close of the junior year by completing the following requirements: (a) All the general academic courses required in the four-year curriculum; (b) All the professional courses required in the four-year curriculum except Psych. 105; (c) 20 credits chosen from courses required for the completion of one of the majors in the four-year curriculum; (d) 12 credits chosen from courses required for the completion of one of the first minors in the four-year curriculum or the completion of one of the second minors; (e) Sufficient free electives to constitute a total of 148 1/2 credits.
GRADUATE CURRICULUM

The graduate curriculum of one year's duration is designed for the student who has completed the requirements for a bachelor's degree in a university or another college and wishes to become certified to teach in the elementary and junior high schools.

In order to enrol in this curriculum the student must furnish the Registrar with complete transcripts of all university or college credits earned. Course schedules are arranged in consultation with the Registrar and must provide for a total of 48 credits.

The diploma awarded upon the completion of the graduate curriculum entitles the holder to teach in the elementary and junior high schools of the state of Washington for five years. Students enrolled in the graduate curriculum may qualify for the degree of Bachelor of Arts in Education by meeting the requirements of the Four-Year Curriculum or their equivalent.

GENERAL COLLEGE CURRICULUM

This curriculum consists of courses for students who are not preparing to teach.

The college is primarily a teacher education institution, but students who wish to do one or two years of general college work will find a wide variety of courses open to them in arts and sciences, in pre-professional, or in pre-technical fields. General college opportunities are available because the first two years of teacher education are essentially the same as the lower division or general college years in other colleges and universities, and because liberal education courses are emphasized in the major and minor requirements of the college.

The general college curriculum meets the needs of three groups of students: (1) those who wish to transfer to universities and other colleges after two years at Cheney; (2) those who desire a college education but have not chosen a major field; and (3) those who plan to complete only two years of college work. Students who wish to transfer to Pacific Coast colleges and universities which offer professional, technical, or arts and
sciences curricula may expect their credits to be accepted toward sophomore, junior, or senior requirements. The student who has not made a decision as to which curriculum he wishes to complete may take basic courses which will (a) aid him to make an intelligent choice of a profession or major field, (b) provide a foundation for later specialization, and (c) insure a good general education. If such a student desires to enter the teaching profession, he may remain at Cheney for his junior and senior years. Students who plan to complete only two years of college work may secure two years of broad general education at Cheney and also have some opportunity to specialize.

The class schedules of general college students are in every instance planned to meet individual needs. Mr. G. W. Wallace, Registrar, and Mr. R. F. Hawk, Director of Research, serve as advisers. In most instances the general college student finds it profitable to remain at Cheney for two years before transferring. All students are required to take courses in Physical Education Activities (P. E. 4 or P. E. 13) and in Campus Ethics (freshman orientation).

The fields of instruction from which general college courses are most frequently chosen are Biological and Physical Science, English, History, Industrial Education, Mathematics, Modern Languages, and Social Science. The following is a list of courses which are often taken by general college students:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biol. 51, 52, 53</td>
<td>12 credits</td>
</tr>
<tr>
<td>Biol. 61, 62, 63</td>
<td>12 credits</td>
</tr>
<tr>
<td>Chem. 51, 52, 53</td>
<td>15 credits</td>
</tr>
<tr>
<td>Eng. 1, 2, 3 or 4</td>
<td>12 credits</td>
</tr>
<tr>
<td>Eng. 51, 52, 53</td>
<td>12 credits</td>
</tr>
<tr>
<td>French 1, 2, 3</td>
<td>12 credits</td>
</tr>
<tr>
<td>French 4, 5, 6</td>
<td>9 credits</td>
</tr>
<tr>
<td>German 1, 2, 3</td>
<td>12 credits</td>
</tr>
<tr>
<td>German 4, 5, 6</td>
<td>9 credits</td>
</tr>
<tr>
<td>Hist. 50, 51, 52</td>
<td>12 credits</td>
</tr>
<tr>
<td>Hist. 114, 115, 116</td>
<td>15 credits</td>
</tr>
<tr>
<td>I. E. 45, 46, 47</td>
<td>9 credits</td>
</tr>
<tr>
<td>Math. 54, 55, 56</td>
<td>12 credits</td>
</tr>
<tr>
<td>Math. 110, 111, 112</td>
<td>15 credits</td>
</tr>
<tr>
<td>Phys. 61, 62, 63</td>
<td>15 credits</td>
</tr>
<tr>
<td>S. S. 61, 62, 67</td>
<td>15 credits</td>
</tr>
<tr>
<td>Zoology</td>
<td>12 credits</td>
</tr>
<tr>
<td>Botany</td>
<td>12 credits</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>15 credits</td>
</tr>
<tr>
<td>Composition, Literature</td>
<td>12 credits</td>
</tr>
<tr>
<td>Survey of English Literature</td>
<td>12 credits</td>
</tr>
<tr>
<td>First Year French</td>
<td>12 credits</td>
</tr>
<tr>
<td>Second Year French</td>
<td>9 credits</td>
</tr>
<tr>
<td>First Year German</td>
<td>12 credits</td>
</tr>
<tr>
<td>Second Year German</td>
<td>9 credits</td>
</tr>
<tr>
<td>History of Western Europe</td>
<td>12 credits</td>
</tr>
<tr>
<td>American History</td>
<td>15 credits</td>
</tr>
<tr>
<td>Engineering Drawing</td>
<td>9 credits</td>
</tr>
<tr>
<td>College Algebra; Trigonometry; Analytics</td>
<td>15 credits</td>
</tr>
<tr>
<td>Calculus</td>
<td>15 credits</td>
</tr>
<tr>
<td>General Physics</td>
<td>15 credits</td>
</tr>
<tr>
<td>Sociology; Economics; Political Science</td>
<td>15 credits</td>
</tr>
</tbody>
</table>
Other general college courses are available in the following fields:

Art  Mathematics
Biology  Music
Chemistry  Philosophy
English  Physical Education
Geography  Psychology
History  Social Science
Home Economics  Speech
Industrial Education
MAJORS, MINORS AND COURSE DESCRIPTIONS

In the following section of the catalogue will be found outlines of major and minor requirements together with descriptions of courses offered.

The fields of instruction are arranged in alphabetical order.

Courses numbered 1-99 are intended primarily for freshmen and sophomores; those numbered 100 and above for juniors and seniors.

When the words "Freshmen," "Sophomores," "Juniors," or "Seniors" are found in the outlines of major and minor requirements, they refer to courses which should ordinarily be taken in those years. Where no designation appears, the Major Adviser should be consulted.

ART

Mr. Hungate, Department Head
Miss Swerer, Major Adviser
Miss Gingrich, Miss Wheeler

The suggested outlines for majors and minors given below may be changed with the advice and consent of the Major Adviser. Such changes should be approved in writing by the Major Adviser.

Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 52</td>
<td>Design and Color—Sophomores</td>
<td>4</td>
</tr>
<tr>
<td>Art 53</td>
<td>Elementary Crafts—Sophomores</td>
<td>4</td>
</tr>
<tr>
<td>Art 54</td>
<td>Primary Construction—Sophomores</td>
<td>2</td>
</tr>
<tr>
<td>Art 101 or 121</td>
<td>Public School Art—Juniors</td>
<td>3</td>
</tr>
<tr>
<td>Art 102</td>
<td>Art Organization—Juniors</td>
<td>4</td>
</tr>
<tr>
<td>Art 103</td>
<td>Art History—Juniors</td>
<td>4</td>
</tr>
<tr>
<td>Art 104</td>
<td>Advanced Crafts—Seniors</td>
<td>4</td>
</tr>
<tr>
<td>Art 105</td>
<td>Interior Decoration—Seniors</td>
<td>3</td>
</tr>
<tr>
<td>Art 106</td>
<td>Figure Drawing—Seniors</td>
<td>3</td>
</tr>
<tr>
<td>Art 107</td>
<td>Commercial Design—Seniors</td>
<td>3</td>
</tr>
<tr>
<td>Art 108</td>
<td>Lettering—Seniors</td>
<td>2</td>
</tr>
</tbody>
</table>

Total: 36 credits
State Normal School

First Minor

Choice of 20 credits in Art (exclusive of Art 1).

Second Minor

Choice of 12 credits in Art (exclusive of Art 1).

Art 1. Introduction to Art. The study of the art of color and form as to its place in life, and in the scheme of education, and its use in the schools. The course will focus upon organization of elements expressed through drawing. Crayon, chalk, pencil and charcoal are used as media.

All quarters. Four credits. Staff.

Art 52. Design and Color. The principle and laws of organization as applied to the construction pattern and contour design, expressed through color.

Spring, winter and summer quarters. Four credits. Staff.

Art 53. Elementary Crafts. Construction and application of pattern and contour design to bookbinding, basketry and other crafts.

Winter, spring and summer quarters. Four credits. Staff.

Art 54. Primary Construction. Construction of a simple problem directly usable in the primary grades and rural schools. Emphasis placed upon building according to the principle and laws of organization.

Winter and summer quarters. Two credits. Staff.

Art 55. Blackboard Sketching. A course in sketching on the blackboard, utilizing various methods.

Prerequisite: Art 1. Spring and summer quarters. Two credits. Staff.

Art 56. Pottery. A course in pottery modeling.

Fall and spring quarters. Three credits. Staff.

Art 57. Puppetry and Related Arts. The construction of puppets, masks, shadow forms and stage sets. Emphasis is placed upon art structure.

Fall and summer quarters. Three credits. Staff.

Art 58. Water Color. The development of pictorial composition and color quality through the use of various techniques and processes relative to water color as a medium.

Prerequisite: Art 1. Fall and summer quarters. Three credits. Staff.
Art 59. Picture Study. A course for the development of appreciation of pictures through the study of personal, emotional reaction, structural form, historical significance, personality of artist and the subject, with consideration of methods of presentation in the elementary school.
Winter and spring quarters. Three credits. Staff.

Art 101. Public School Art for Elementary Grades. Practical work in art which is directly applicable to the problems of the elementary grades of the modern public school.
Winter and summer quarters. Three credits. Staff.

Art 121. Public School Art for Junior High Schools. Practical study of the work in art which is directly applicable to the problems of the junior high school.
Winter and summer quarters. Three credits. Staff.

Art 102. Art Organization. A study of the philosophy, psychology and practice of the principle and laws of organization as applied to color-form art. Practice in development of the ability to organize units of work which are designed for application to the integration method of development. Consideration of the color-form art as a method of free creative expression of the child's intellectual, emotional and spiritual initiative. Follows "Development Course of Study."
Winter, spring and summer quarters. Four credits. Miss Swerer.

Art 103. History of Art. The course is based upon the principle that "Art is the index to the characteristics of races, nations and individuals." Architecture is given the main place in the course.
Fall and summer quarters. Four credits. Staff.

Winter, spring, and summer quarters. Four credits. Staff.

Art 105. Interior Decoration. Development of appreciation of color, form and arrangement, as applied to interior decorating, emphasizing the problem of the small house. Problems in school-room planning and decoration are considered.
Spring and summer quarters. Three credits. Staff.
Art 106. Figure Drawing. Advanced drawing, working from the draped figure. 
Prerequisite: Art 1. Winter and spring quarters. Three credits. Staff.

Art 107. Commercial Design. Pen and ink illustration, poster making and other types of advertising. 
Fall and summer quarters. Two credits. Staff.

Art 108. Lettering. Manuscript, broad pen, and poster lettering. 
This course may be combined with Art 107. 
Fall and summer quarters. Two credits. Staff.

Art 109. Oil Painting. A course in which the medium for expression is oil paint. Composition is emphasized. 
Fall and summer quarters. Three credits. Staff.

Art 110. Color. The theories of color; color combinations applicable to costumes, interior decoration, and ornament. 
Winter and summer quarters. Three credits. Staff.

Art 111. Appreciation of Folk-Art. A study of the arts of the folk and their significance in the life of the people. This will include mainly the crafts and architecture. 
Summer quarter. Three credits. Staff.

Art 112. Student Teaching in Art. Teaching under supervision in the Laboratory School. 
Fall, winter and spring quarters. Three credits. Staff.
BIOLOGY

MR. HUNGATE, Department Head and Major Adviser

The suggested outlines for majors and minors given below may be changed with the advice and consent of the Major Adviser. Such changes should be approved in writing by the Major Adviser.

Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biol. 51, 52, 53</td>
<td>Zoology</td>
<td>12</td>
</tr>
<tr>
<td>Biol. 116</td>
<td>Entomology</td>
<td>4</td>
</tr>
<tr>
<td>Biol. 61, 62, 63</td>
<td>Botany</td>
<td>12</td>
</tr>
<tr>
<td>Biol. 120</td>
<td>Plant Physiology</td>
<td>3</td>
</tr>
<tr>
<td>Biol. 121</td>
<td>Genetics</td>
<td>2</td>
</tr>
<tr>
<td>Biol. 122</td>
<td>Technique in Biology</td>
<td>2</td>
</tr>
</tbody>
</table>

Total

35 credits

First Minor

Choice of 12 credits in courses required for the completion of the first minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biol. 51</td>
<td>Zoology</td>
<td>4</td>
</tr>
<tr>
<td>Biol. 116</td>
<td>Entomology</td>
<td>4</td>
</tr>
<tr>
<td>Biol. 61, 62</td>
<td>Botany</td>
<td>8</td>
</tr>
</tbody>
</table>

Choice of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biol. 52</td>
<td>Zoology</td>
<td>4</td>
</tr>
<tr>
<td>Biol. 63</td>
<td>Botany</td>
<td>4 - 4</td>
</tr>
</tbody>
</table>

Total

20 credits

Second Minor

Choice of 12 credits in courses required for the completion of the first minor.

Note: All courses in Biology are offered by Mr. Hungate.

Biol. 2. Introduction to Biology. A general introductory course.

Fall, winter, summer quarters. Four credits.

Biol. 9. Nature Study. The materials suitable for use in the grades, including the collecting of such materials. One bird trip a week is required during the greater part of the quarter.

Spring quarter. Three credits.

Biol. 20. Boy Scout Leadership. Given in conjunction with the Spokane Council, Boy Scouts of America. Training in scout-
craft, and the organizing and conducting of a troop. A certificate is presented to each man completing the course.

Spring quarter. One credit.

**Biol. 51, 52, 53. Zoology.** Structure and natural history of the invertebrates. Structure, physiology and classification of the vertebrates, using selected types for laboratory work. The different vertebrate classes with reference to their ecological and taxonomic relationships including the field work and preparation of specimens.

Fall, winter, and spring quarters. Four credits a quarter.

**Biol. 61, 62, 63. Botany.** The thallophytes, bryophytes, pteriodophytes, and spermatophytes in relation to their structure, ecology and economic importance. Study and classification of native plants of the region.

Fall, winter, and spring quarters. Four credits a quarter.

**Biol. 116. Entomology.** Structure and classification of insects. Stress placed upon their economic relationships and their suitability for nature work in the schools. Field work is required.

Spring quarter. Four credits.

**Biol. 120. Plant Physiology.** An elementary course covering the general physiological activities of plants.

Not given in 1936-37. Three credits.

**Biol. 121. Genetics.** An elementary course dealing with variation and heredity in plants and animals.

Winter quarter. Two credits.

**Biol. 122. Technique in Biology.** Collection and preparation of plant and animal material for study, including fixation, sectioning, staining and preparation of specimens.

Fall quarter. Two credits.
EDUCATION

DR. WILLIAMSON, Department Head and Adviser
DR. BARBER, MR. FRASIER, MR. HAWK, MR. PENCE,
MISS PETERSON, MR. SHINKLE, DEAN WALLACE

The suggested outline for minors given below may be changed with the advice and consent of the Adviser. Such changes should be approved in writing by the Adviser.

Second Minor in Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed. 110 Rural Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Ed. 133 Conflicting Theories in Modern Ed.</td>
<td>4</td>
</tr>
<tr>
<td>Ed. 142 Education and Social Reconstruction</td>
<td>3</td>
</tr>
</tbody>
</table>

Choice of:

- Ed. 115 History of Education in the U.S.   | 3       |
- Ed. 122 History of Education               | 5       |

Total: 12-14 credits

Second Minor in Educational Administration

Choice of two: Not less than 6 credits

- Ed. 128 Junior High School Administration and Curriculum | 5 |
- Ed. 120 Supervision of Instruction             | 4 |
- Ed. 141 Guidance and Personnel Procedures      | 3 |

Choice of two: Not less than 6 credits

- Ed. 113 Elementary School Curriculum          | 3 |
- Ed. 108 Reading in the Elementary School      | 3 |
- Ed. 126 Elementary School Administration      | 4 |

Total: Not less than 12 credits

Note: One year of teaching experience must precede the completion of any course used to satisfy the requirements for the foregoing second minor in Educational Administration. The completion of the second minor in Educational Administration will satisfy the professional requirements for both the elementary school principal's credential and the junior high school principal's credential.

Note: For Second Minors in Teaching see "Laboratory Schools."

For Second Minors in Psychology see "Psychology."

Ed. 2. Introduction to Education. The student is introduced to some of the problems of education and of the teacher.
Such topics are treated as: teaching as a vocation, how to study, the American Public School System, current practices in education. The course helps the student start the building of an educational philosophy most likely to meet present-day needs.

All quarters. Three credits. Mr. Shinkle, Dr. Williamson.

Ed. 103. Public School Systems. Consideration is given to the early history of Washington, historical beginnings of our school systems, and the State Constitution; the school laws of the State of Washington with emphasis upon the general plan of the State School System, its administration, support, and the teacher in relation to the system. A brief study of other state school systems is made with the idea of attempting better to evaluate our own system.

All quarters. Three credits. Mr. Shinkle.

Ed. 107. Problems in Education. A seminar course for advanced students. The purpose is to provide opportunity for intensive study of problems of particular interest to the student.

Prerequisite: Instructor's consent. Spring and summer quarters. Credits to be arranged. Staff.

Ed. 108. Reading in the Elementary School. A detailed study of the mental processes in reading and a careful examination of the procedures and techniques which are most economical in teaching that subject in the elementary grades.

Summer quarter. Three credits. Miss Peterson.

Ed. 110. Rural Sociology. An introduction to the sociological problems of rural life with special reference to the cultural, material, and structural elements of rural society.

Winter and summer quarters. Three credits. Mr. Craig, Mr. Shinkle.

Ed. 113. Elementary School Curriculum. A study of the current viewpoints regarding curriculum construction. The major problem in the course is the working out of curriculum projects—both as a class group and individually.

Prerequisite: Instructor's consent. Summer quarter. Three credits. Mr. Hawk.

Ed. 115. History of Education in the U. S. Beginning with the colonial period, a study of the development of educational
philosophies and practices in the United States. Particular attention is given to the development of the American public system of tax-supported schools and to the work of educational reformers.

Fall and summer quarters. Three credits. Staff.

**Ed. 120. Supervision of Instruction.** The improvement of instruction through supervision in grades one to nine inclusive. Emphasis on this problem as related to the small school system. 

*Prerequisite: One year of teaching experience or the instructor's consent.* Spring and summer quarters. Four credits. Miss Peterson, Mr. Frasier.

**Ed. 122. History of Education.** A study of the development of educational philosophies, teaching practices and school administration and their relation to the history of civilization. The course begins with the history of the Greeks and continues the story up to the present.

Spring and summer quarters. Five credits. Staff.

**Ed. 124. Educational Sociology.** A study of modern social organization and its relation to education; the individual and the social group; the social objectives of education; the relation of the school to other institutions; practical problems in the social aspects of school organization and methods.

*Prerequisite: Junior or senior standing.* Fall, spring, and summer quarters. Five credits. Dr. Barber.

**Ed. 126. Elementary School Administration.** The practical problems of elementary administration, supervision, and school finance adapted to the needs of students preparing to serve as elementary school principals.

*Prerequisite: One year of teaching experience or the instructor's consent.* Winter and summer quarters. Four credits. Mr. Frasier.

**Ed. 128. Junior High School Administration and Curriculum.** The development of the junior high school and theory and practice of administration and teaching. A special study is made of curriculum practices and of extra-curricular activities.

*Prerequisite: Junior or senior standing.* Spring and summer quarters. Five credits. Dr. Williamson, Mr. Pence.
Ed. 133. Conflicting Theories in Modern Education. The various trends and conflicts in American education. The development of the theory of the so-called "activity program" as framed by the thinking of Rousseau, Pestalozzi, Dewey and others; the "discipline" theory; the scientific movement in education. An effort is made to understand the contrasting educational view-points of leading contemporary educators.

Prerequisite: Junior or senior standing. Winter and summer quarters. Four credits. Dr. Williamson.

Ed. 134. Philosophy of Education. A course designed to clarify thinking relative to the purposes of education, the role of the teacher, and the function of the school in present-day society. The nature of the individual, how he learns, the place of interest in learning. The viewpoint presented is essentially that of progressive education.

Prerequisite: Junior or senior standing. Winter, spring, and summer quarters. Five credits. Dr. Williamson.


Prerequisite: One year of teaching experience or the instructor's consent. Summer quarter. Three credits. Dean Wallace.

Ed. 139. Current Educational Topics. Events of the day as related to education. A study is made of current news and educational periodicals.

Prerequisite: Instructor's consent. Fall, winter, and summer quarters. One credit. Dr. Williamson.


Prerequisite: Education 103. Summer quarter. Two credits. Mr. Craig, Mr. Shinkle.


Prerequisite: Junior or senior standing. Winter quarter. Three credits. Mr. Hawk.
Ed. 142. Education and Social Reconstruction. A survey of present social and economic conditions, the social effects of school education in the past, the function of the school in the light of present conditions. Various proposals regarding economic readjustment, crime prevention, and international peace will be considered. Propaganda vs. group thinking.

Prerequisite: Junior or senior standing. Spring quarter. Three credits. Dr. Williamson.

Ed. 149. Advanced Educational Measurement. Statistical procedure usable by principals and supervisors. School surveys, graphic presentation of data and construction of tests are major topics.

Prerequisite: Instructor's consent. Winter and summer quarters. Three credits. Mr. Hawk.

Phil. 51. Introduction to Philosophy. A general introduction to the field of philosophy. Current problems will be used to stimulate reflective thinking, and the aim throughout will be to develop a more adequate outlook on life.

Prerequisite: Sophomore standing. Fall quarter. Five credits. Dr. Williamson.
ENGLISH

Dr. Tieje, Department Head and Major Adviser

Mr. Allen, Mrs. Brown, Miss Dickinson, Mr. Gruber,
Mr. Holmquist

Students desiring to arrange a combined English-Speech major should, before registering, consult with the Head of the Department in order to arrange a satisfactory schedule.

The suggested outlines for majors and minors given below may be changed with the advice and consent of the Major Adviser. Such changes should be approved in writing by the Major Adviser.

**Major in English**

Note: See English 3.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eng. 51, 52, 53</td>
<td>Survey of English Literature—Sophomores</td>
<td>12 credits</td>
</tr>
<tr>
<td>Eng. 61</td>
<td>Syntax—Juniors</td>
<td>3 credits</td>
</tr>
<tr>
<td>Eng. 192</td>
<td>Advanced Composition—Juniors</td>
<td>4 credits</td>
</tr>
<tr>
<td>Eng. 151-2-3</td>
<td>Shakespeare—Juniors</td>
<td>4 credits</td>
</tr>
<tr>
<td>Eng. 105</td>
<td>History of Language and Advanced Grammar—Seniors</td>
<td>5 credits</td>
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</table>

Choice of eight credits:—Seniors

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Eng. 103</td>
<td>Children's Literature</td>
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</tr>
<tr>
<td>Eng. 151</td>
<td>Shakespeare: Comedies</td>
<td></td>
</tr>
<tr>
<td>Eng. 152</td>
<td>Shakespeare: Tragedies</td>
<td></td>
</tr>
<tr>
<td>Eng. 153</td>
<td>Shakespeare: Histories</td>
<td></td>
</tr>
<tr>
<td>Eng. 156</td>
<td>Ibsen and Shaw</td>
<td></td>
</tr>
<tr>
<td>Eng. 158</td>
<td>Modern Drama</td>
<td></td>
</tr>
<tr>
<td>Eng. 159</td>
<td>Contemporary Drama</td>
<td></td>
</tr>
<tr>
<td>Eng. 161</td>
<td>Contemporary Poetry</td>
<td></td>
</tr>
<tr>
<td>Eng. 162</td>
<td>Modern Magazine</td>
<td></td>
</tr>
<tr>
<td>Eng. 175</td>
<td>Modern British Novel</td>
<td></td>
</tr>
<tr>
<td>Eng. 181</td>
<td>American Poetry</td>
<td></td>
</tr>
<tr>
<td>Eng. 182</td>
<td>American Prose</td>
<td></td>
</tr>
<tr>
<td>Eng. 183</td>
<td>American Short Story</td>
<td></td>
</tr>
<tr>
<td>Eng. 185</td>
<td>Modern American Novel</td>
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Total: .................................................. 36 credits

**First Minor in English**

Note: See English 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eng. 51, 52, 53</td>
<td>Survey of English Literature—Sophomores</td>
<td>12 credits</td>
</tr>
<tr>
<td>Eng. 61</td>
<td>Syntax—Juniors</td>
<td>3 credits</td>
</tr>
<tr>
<td>Eng. 192</td>
<td>Advanced Composition—Juniors</td>
<td>4 credits</td>
</tr>
</tbody>
</table>

Total: .................................................. 19 credits
Choice of 12 credits in courses required for the completion of the above first minor.

Note: Courses numbered 1-61 inclusive may not be taken by correspondence. Those numbered 100 and above may be taken by correspondence only with consent of the instructor and the written permission of the Head of the Department.

Eng. A. Sub-freshman English. Drill on grammatical correctness and on elementary problems in syntax and punctuation. Students showing deficient preparation in English will be assigned to this course. Fall quarter. No credit. Four recitations a week. Mr. Holmquist, Mr. Gruber.

Eng. 1, 2. Composition. Sentence structure for emphasis, analysis of paragraphs, themes. Required of all in freshman year. May not be counted toward a major or minor. Fall and winter quarters. Four credits. Dr. Tieje and staff.

Eng. 3. Reading of English Literature. The oral reading of literature for thought content. Poetic analysis; poetic methods; versification; literary types. Some attention to chief English poets. Required of majors and minors in English and Speech, freshman year. Students taking this course may not take English 4. Prerequisites: English 1 and 2. Spring quarter. Four credits. Mr. Allen.

Eng. 4. Cultural Backgrounds. Emphasis on the chief narrative types,—epic, romance, ballad, tale, etc. The great prose writers. Versification. The great contributions of English literature to modern culture. Not open to majors or minors in English; required of all others before the junior year. Students taking this course may not take English 3. Prerequisites: English 1 and 2. Spring quarter. Four credits. Dr. Tieje and staff.

Eng. 40. Newswriting. Gathering material, organization of news stories, leads. Open to freshmen. Recommended to those who intend to enter the junior high school course or who are interested in journalism. Fall and spring quarters. Three credits. Mr. Holmquist.
Eng. 41, 42, 43. Journalism. A course for those on the staff of the college paper.  
*May be begun any quarter. Recommended to those in the junior high school course.* Fall, winter, spring quarters. Three credits a quarter. Mr. Holmquist.

*These courses run in sequence and should be begun in the fall quarter. Required of all Speech and English majors and minors in the sophomore year. Prerequisites: English 1, 2, 3.* Fall, winter, spring quarters. Four credits a quarter. Dr. Tieje.

Eng. 61. Syntax. A rapid review of fundamental constructions in English with emphasis on correct usage.  
*Prerequisite: English 1 and 2.* Fall quarter. Three credits. Dr. Tieje.

Eng. 103. Children's Literature. The classical and modern bibliography and theory.  
*Prerequisite: English 3 or 4.* Spring quarter. Three credits. Dr. Tieje.

Eng. 105. History of Language and Advanced Grammar. A brief study of the development of the English language, and a study of verbals and unusual constructions in English.  
*Prerequisite: English 61.* Winter quarter. Five credits. Dr. Tieje.

Eng. 151. Shakespeare: Comedies. Midsummer Night’s Dream; As You Like It; Twelfth Night; Tempest.  
*Prerequisite: Junior Standing.* Fall quarter. Four credits. Dr. Tieje.

Eng. 152. Shakespeare: Tragedies. Romeo and Juliet; Macbeth; King Lear; Hamlet.  
*Prerequisite: Junior Standing.* Winter quarter. Four credits. Dr. Tieje.

*Prerequisite: Junior Standing.* Spring quarter. Four credits. Dr. Tieje.
Eng. 156. Ibsen and Shaw. Rapid reading of typical plays.

*Prerequisite: English 3 or 4.* Fall quarter. Two credits. Miss Dickinson.

Eng. 158. Modern Drama. The drama from 1900-1920. Rapid reading of typical plays with lectures on the significance of the authors.

*Prerequisite: English 3 or 4.* Winter quarter. Three credits. Miss Dickinson.


*Prerequisite: English 3 or 4.* Spring quarter. Three credits. Miss Dickinson.


*Prerequisite: English 3 or 4.* Fall quarter. Four credits. Mr. Gruber.


*Prerequisite: English 3 or 4.* Winter quarter. Four credits. Mr. Gruber.


*Prerequisite: English 3 or 4.* Winter quarter. Four credits. Mr. Allen.

Eng. 181. American Poetry. A brief survey of the earlier poets; Whitman and his influence; transition and contemporary poets.

*Prerequisite: English 3 or 4.* Fall quarter. Four credits. Mr. Holmquist.

Eng. 182. American Prose. A brief survey of the earlier authors; readings from Emerson, Thoreau, Melville, Lowell, Holmes, William James, Henry Adams, and others.

*Prerequisite: English 3 or 4.* Winter quarter. Four credits. Mr. Holmquist.
Eng. 183. American Short Story. The development of the type with intensive study of recognized masterpieces and some attention to the modern types.

Prerequisite: English 3 or 4. Spring quarter. Four credits. Mr. Holmquist.


Prerequisite: English 3 or 4. Spring quarter. Four credits. Mr. Allen.


Prerequisite: English 3 or 4. Spring quarter. Four credits. Mr. Allen.
GENERAL SCIENCE

DR. FREEMAN OR MR. HUNGATE, Major Adviser

Joint majors and first minors in general science are offered in the fields of biology and physical science. Approximately one-half the credits should be earned in each field with a minimum of 15 required from physical science, 16 from biological science, and four from either biological or physical science. Substitutions may be allowed in his field by the adviser concerned.

**Major**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics 61, 62, 63</td>
<td>15 credits</td>
</tr>
<tr>
<td>or Chemistry 51, 52, 53</td>
<td></td>
</tr>
<tr>
<td>Biology 51, 52, 53 Zooology</td>
<td>16 credits</td>
</tr>
<tr>
<td>Biology 61 Botany</td>
<td></td>
</tr>
<tr>
<td>or Biology 61, 62, 63 Botany</td>
<td>16 credits</td>
</tr>
<tr>
<td>Biology 51 Zoology</td>
<td></td>
</tr>
<tr>
<td>Choice from Biology, Chemistry and Geog. 110 Elements of Geology</td>
<td>4 credits</td>
</tr>
<tr>
<td></td>
<td>Total 35 credits</td>
</tr>
</tbody>
</table>

**First Minor**

Twenty credits in biology and physical science (exclusive of Introduction to Biological Science and Survey of the Physical Sciences).

For courses in the biological and physical sciences see the sections of this catalog headed "Biology" and "Physical Sciences."
The suggested outlines for majors and minors given below may be changed with the advice and consent of the Major Adviser. Such changes should be approved in writing by the Major Adviser.

**Major**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geog. 103</td>
<td>Economic Geography</td>
<td>4</td>
</tr>
<tr>
<td>Geog. 104</td>
<td>North America</td>
<td>4</td>
</tr>
<tr>
<td>Geog. 107</td>
<td>Geography of Washington</td>
<td>2</td>
</tr>
<tr>
<td>Geog. 110</td>
<td>Elements of Geology</td>
<td>3</td>
</tr>
<tr>
<td>Geog. 113</td>
<td>Europe or Geog. 111. Asia</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Choice of 18 credits in Geography (exclusive of Geog. 1).</td>
<td>18</td>
</tr>
</tbody>
</table>

**Total** .............................................................................................................. 35 credits

**First Minor**

Choice of 20 credits in Geography (exclusive of Geography 1).

**Second Minor**

Choice of 12 credits in Geography (exclusive of Geography 1).

**Geog. 1. Elements of Geography.** The fundamental principles of human adjustment to natural environment. Aims: (1) to develop in the student the power to interpret geographic environment in terms of its relation to human activities; (2) to train the student in the selection, organization, and presentation of essential materials for the teaching of geography.

All quarters. Five credits. Dr. Freeman, Mr. Ristow, Dr. Botsford.

**Geog. 102. Advanced Geography Methods.** A study of teaching methods involving (a) the contrasting of old and new methods of teaching geography in application of actual teaching problems; (b) the organization and interpretation of geographic facts in the form of charts, maps, and graphs which can be applied to the teaching of elementary geography; (c) the working out of practical problems and projects with collecting of material for teaching purposes.

Summer quarter. Three credits. Miss Lavin.
Geog. 103. Economic Geography. The location and production of essential commodities in the United States, and the factors affecting their production and distribution. A geographic study of the commerce of foreign countries and world trade.

Winter and summer quarters. Four credits. Dr. Freeman.


Fall and summer quarters. Four credits. Mr. Ristow.

Geog. 105. South America. A regional study emphasizing our commercial relations with South America. Based chiefly on problem study. Deals with social, economic, and political problems in relation to natural environment in the various regions.

Spring quarter. Three credits. Mr. Ristow.

Geog. 107. Geography of Washington. An economic study of the contrasted distribution of population and industries in relation to the contrasted geographic environment of the eastern and western parts of our state. Suggestions for various methods of teaching the geography of the state of Washington. Practical problems to be carried over into elementary and junior high teaching.

Fall and summer quarters. Two credits. Three credits may be given when equivalent extra work is done. Dr. Freeman.

Geog. 108. Historical Geography of the United States. A study of the geographic factors most closely concerned with the history of our country. The geography of the early oriental trade and the geography of early European history. Special emphasis on the westward movement; on the rise of cities; on the growth of trade and transportation; and on the place of the United States as a world power.

Fall quarter. Three credits. Mr. Ristow.

Geog. 109. World Problems. A study dealing chiefly with the geography of Europe and of her colonial problems, based on Bowman’s New World. Other continents in terms of their dominant political and economic problems. Of special value to teachers in the interpretation and correlation of geography and history.

Spring and summer quarters. Three credits. Mr. Ristow.
Geog. 110. Elements of Geology. Considers the origin and development of surface features of the earth, and briefly studies the probable evolution of life upon the earth and the historical geology of North America. Students learn to identify common rocks and minerals, and to use topographic maps. Field trips taken to nearby places of interest.

Spring and summer quarters. Three credits for class work. Two extra credits for laboratory work. Dr. Freeman.


Spring and summer quarters. Four credits. Dr. Freeman.

Geog. 112. Africa. A regional study of Africa and the industries and culture of the people as related to the environment.

Winter quarter. Three credits. Dr. Freeman.

Geog. 113. Europe. A study of the economic and political development of peoples as related to natural and non-environmental conditions in Europe. Colonial problems in international relations.

Winter and summer quarters. Four credits. Mr. Ristow.

Geog. 114. Climatology. A study of climatic divisions of the earth and their relation to the distribution of human activities. Special emphasis on the interpretation of maps, weather charts, and original weather data from representative stations throughout the world.

Fall quarter. Three credits. Mr. Ristow.

Geog. 115. Geography of the Pacific. The oceanic islands, coasts, trade routes, geographic influences, and commercial, economic, and political problems of the Pacific, particularly as regards Washington. Recommended to commercial and public school teachers.

Spring and summer quarters. Three credits. Dr. Freeman.

Geog. 117. Resources and Conservation. The natural resources in minerals, timber, soil, wild life, etc., of the United States. Their conservation and relation to foreign supplies.

Winter quarter. Three credits. Dr. Freeman.
Geog. 118. Factors and Types in Geography.
Alternate years. Winter 1936-37. Two or three credits. Dr. Freeman.

Geog. 120. Field Trips. Six field trips in geology and geography to Grand Coulee, “Hole-in-the-Ground,” Lake Couer d’Alene, and elsewhere.
Summer quarter. One credit. Dr. Freeman.

Geog. 121. Advanced Field Trips. Two weeks. Taken at the close of the summer quarter. In 1936 to Glacier Park. During the excursion, places of geological and geographic interest are intensively studied.
Summer quarter. Three credits. Dr. Freeman.

Geog. 123. Carribbean.
Alternate years. Summer quarter 1937. Three credits. Mr. Ristow.

Alternate years. Fall 1936. Three credits. Dr. Freeman.
The suggested outlines for majors and minors given below may be changed with the advice and consent of the Major Adviser. Such changes should be approved in writing by the Major Adviser.

Students taking courses 114, 115, and 116 in their major or minor are excused from History 4.

Major

Three of the following four courses:
Hist. 50 Early Civilization
  The Classical Period ....................... 4 credits
Hist. 51 History of Western Europe
  The Mediaeval Period ..................... 4 credits
Hist. 52 History of Western Europe
  The Early Modern Period .................. 4 credits
Hist. 105 European History
  Since 1815 .................................. 5 credits

The following four courses:
Hist. 114 American History to 1783 .......... 5 credits
Hist. 115 American History, 1783-1865 ...... 5 credits
Hist. 116 American History since 1865 ...... 5 credits
Hist. 107 Northwest History .................. 4 credits

One of the following four courses:
Hist. 111 British North America .............. 3 credits
Hist. 112 Latin America ....................... 3 credits
Hist. 118 Contemporary Russia ................. 3 credits
Hist. 119 Far Eastern Relations ............... 3 credits

Total ......................................... 34-35 credits

First Minor—Intermediate Grades

Hist. 50 The Classical Period .................. 4 credits
Hist. 51 History of Western Europe
  The Mediaeval Period ....................... 4 credits
Hist. 52 History of Western Europe
  The Early Modern Period ................... 4 credits
Hist. 114 American History to 1783 .......... 5 credits
Hist. 107 Northwest History .................. 4 credits

Total ......................................... 21 credits
First Minor—Junior High Grades

Hist. 114 American History to 1783 .......................... 5 credits
Hist. 115 American History, 1783-1865 ....................... 5 credits
Hist. 116 American History since 1865 ...................... 5 credits
Hist. 105 European History since 1815 ...................... 5 credits

Total ................................................... 20 credits

Second Minor

Choice of 12 credits in courses required for the completion of the above first minors.


Students are excused from this course if they take courses 114, 115, and 116 in either a major or a minor. All quarters. Five credits. Mr. Kingston, Mr. Cobb.

Hist. 50. Early Civilization and the Classical Period. The eastern Mediterranean background and the classical civilizations of Greece and Rome to the end of the Roman Empire of the West.

Fall quarter. Four credits. Mr. Kingston.

Hist. 51. Western Europe, The Mediaeval Period. A general survey course of the social and political institutions of western Europe from the fifth century to 1500.

Winter quarter. Four credits. Mr. Kingston.

Hist. 52. Western Europe, The Early Modern Period. A continuation of the preceding course covering the political and cultural history of western Europe from 1500 to 1815.

Spring quarter. Four credits. Mr. Kingston.

Hist. 105. European History Since 1815. A historical perspective of European affairs during the 19th century; the background of the Great War and the present European situation.

Spring and summer quarters. Five credits. Mr. Cobb.

Hist. 107. Northwest History. The exploration of the Pacific Northwest, the fur trade, the missionaries, the gold discoveries, railroad building, industrial development, and political history, with special reference to Washington.

Winter and summer quarters. Four credits. Mr. Kingston.
Hist. 111. British North America. An outline of the history and development of the political institutions of Canada.
   Summer quarter. Three credits. Mr. Kingston.

Hist. 112. Latin America. An outline of Spanish and Portuguese settlements in the western continent, the wars of independence, and a rapid summary of events in the more important Latin American countries.
   Winter quarter. Three credits. Mr. Cobb.

   Fall and summer quarters. Five credits. Mr. Cobb.

Hist. 115. American History, 1783-1865. Formation of the Constitution, political development, western expansion, the slavery question, secession, to the end of the Civil War.
   Winter and summer quarters. Five credits. Mr. Cobb.

Hist. 116. American History Since 1865. The political issues and economic and social development of the United States during the last seventy years.
   Spring and summer quarters. Five credits. Mr. Cobb.

Hist. 118. Contemporary Russia. The economic, social and cultural phases of Russian history since the revolution of 1917, with a review of the Imperial period as background.
   Spring quarter. Three credits. Mr. Cobb.

Hist. 119. Far Eastern International Relations. A survey of the problems of the Pacific area with special emphasis upon Chinese, Japanese, and Russian relations with each other and upon the role of the United States in the international relations of this region.
   Winter quarter. Three credits. Mr. Cobb.

—3
HOME ECONOMICS

MR. HUNGATE, Department Head

MRS. ANDERSON, Major Adviser, Foods and Nutrition
MISS BRODNAX, Major Adviser, Textiles and Clothing

The suggested outlines for majors and minors given below may be changed with the advice and consent of the Major Adviser. Such changes should be approved in writing by the Major Adviser.

Those majoring in Home Economics are advised to take Chemistry as a second minor (Chemistry 51, 52, 53).

<table>
<thead>
<tr>
<th>Major</th>
</tr>
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<tbody>
<tr>
<td>Home Ec. 53 Foods</td>
</tr>
<tr>
<td>Home Ec. 54 Foods</td>
</tr>
<tr>
<td>Home Ec. 68 Textiles</td>
</tr>
<tr>
<td>Home Ec. 70 Clothing</td>
</tr>
<tr>
<td>Home Ec. 77 Clothing Selection</td>
</tr>
<tr>
<td>Home Ec. 156 Dietetics</td>
</tr>
<tr>
<td>Home Ec. 159 Household Management</td>
</tr>
<tr>
<td>Home Ec. 164 Home Economics Methods</td>
</tr>
<tr>
<td>Home Ec. 172 Clothing</td>
</tr>
<tr>
<td>Choice of 7 credits</td>
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</tbody>
</table>

| Home Ec. 154 Experimental Cooking | 4 credits |
| Home Ec. 166 Advanced Dietetics | 3 credits |

or:

| Home Ec. 168 Advanced Textiles | 3 credits |
| Home Ec. 177 Historic Costume | 4 credits |

Total: 38 credits

<table>
<thead>
<tr>
<th>First Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home Ec. 168 Textiles</td>
</tr>
<tr>
<td>Home Ec. 156 Dietetics</td>
</tr>
<tr>
<td>Choice of 8 credits</td>
</tr>
</tbody>
</table>

| Home Ec. 53 Foods | 4 credits |
| Home Ec. 54 Foods | 4 credits |
| Home Ec. 70 Clothing | 4 credits |
| Home Ec. 159 Household Management | 3 credits |
| Home Ec. 172 Clothing | 4 credits |

| Choice of 7 credits | 7 credits |

| Home Ec. 154 Experimental Cooking | 4 credits |
| Home Ec. 166 Advanced Dietetics | 3 credits |

or:

| Home Ec. 168 Advanced Textiles | 3 credits |
| Home Ec. 177 Historic Costume | 4 credits |

Total: 21 credits
State Normal School

Second Minor

Choice of 12 credits in courses required for the completion of the above first minor.

**Home Ec. 1.** Introduction to Home Economics. A study of foods, clothing, and home activities.

Fall and spring quarters. Two credits. Mrs. Anderson and Miss Brodnax.

**Home Ec. 52.** Food Selection. A lecture course. How to select foods according to the rules of healthful living.

All quarters. One credit. Mrs. Anderson.

**Home Ec. 53.** Foods. The production, distribution, marketing, and cost of foods with emphasis upon the composition, nutritive value, principles of cooking and the place in the diet. Emphasis on the food supplying carbohydrates, fats, vitamins, and ash.

Fee $4.00. Fall and spring quarters. Four credits. Mrs. Anderson.

**Home Ec. 54.** Foods. Continuation of Home Ec. 53. An intensive study of the food supplying proteins, and of table service for breakfasts, dinners, luncheons, teas, decoration, and practical experience in serving.

Fee $4.00. Summer and winter quarters. Four credits. Mrs. Anderson.

**Home Ec. 61.** School Lunch. The food needs of school children, with plans and methods of serving hot lunches.

Fall and spring quarters. One credit. Mrs. Anderson.

**Home Ec. 68.** Textiles. Study of fabrics, particularly recognition of prices and use of staple materials. A collection of samples of cotton, linen, silk, wool, and rayon will be made.

Fee $1.00. Fall and summer quarters. Three credits. Miss Brodnax.

**Home Ec. 70.** Clothing. Underwear course; pattern placing; hand, machine, and decorative stitches; darning and mending lessons.

**Prerequisite:** Home Economics 68. Fee 50c. Winter, spring, summer quarters. Four credits. Miss Brodnax.
Home Ec. 77. Clothing Selection. Types of persons, and types of line, material, color, etc., suited to each. Presentation lessons.

Winter and summer quarters. Three credits. Miss Brodnax.


Winter and summer quarters. Four credits. Mrs. Anderson.

Home Ec. 156. Elementary Dietetics. The fundamental principles of nutrition; a study of processes of digestive metabolism and the nutritive requirements of the body under various conditions of age and health and the planning of dietaries to meet these requirements of different cost levels.

Open to men as well as women. Fall and spring quarters. Three credits. Mrs. Anderson.

Home Ec. 159. Household Management. The managing of household operations; systematic planning of daily routine; labor-saving equipment; food planning, marketing; the apportionment of the income through the family budget; the woman and the standard of living; her responsibility to the family, and other modern problems.

Winter and summer quarters. Three credits. Mrs. Anderson.

Home Ec. 162. Serving. Table service for breakfasts, luncheons, dinners, teas, and special occasions, including menu planning, table setting, table decoration, and practical experience in serving. Fee $1.50.

All quarters. Two credits. Mrs. Anderson.

Home Ec. 163. Methods in Home Economics. A survey of the present-day objectives in the field of Home Economics with the methods of presenting them in elementary and junior high school teaching.

Prerequisites: Home Ec. 53, 54, 70, 172. Spring quarter. Two credits. Three lectures a week. Mrs. Anderson and Miss Brodnax.
Home Ec. 164. Student Teaching in Home Economics. Practical experience in conducting the Home Economics classes of the Laboratory School.

Prerequisites: Home Economics 53, 54, 68, 70, 156, 172. All quarters. Credits to be arranged. Mrs. Anderson, Miss Brodnax.


Prerequisite: Home Ec. 156. Fee $1.00. Open to men as well as women. Winter and summer quarters. Three credits. Two lectures and two laboratory periods a week. Mrs. Anderson.

Home Ec. 168. Advanced Textiles. A study of fabrics with the aim of developing good judgment in the buying and use of clothing and house furnishing materials. Two lectures and one laboratory period per week.

Prerequisite: Home Ec. 68. Fee $1.00. Fall, spring, and summer quarters. Three credits. Miss Brodnax.

Home Ec. 172. Clothing. Two dresses, one involving the handling of cotton materials. Study of altering and placing patterns, and of styles suitable for different members of the class.

Prerequisite: Home Ec. 68 and 70. Fee 50c. Fall, spring, and summer quarters. Four credits. Miss Brodnax.

Home Ec. 173. Art Needlework. The simple decorative and embroidery stitches and four problems showing the application of the stitches.

Spring and summer quarters. Three credits. Miss Brodnax.

Home Ec. 177. Historic Costume. A study of period costume including adaptation suitable for plays and pageants.

Winter and summer quarters. Four credits. Miss Brodnax. Prerequisite: Home Ec. 172.
INDUSTRIAL EDUCATION

Mr. Hungate, Department Head
Mr. Dales, Major Adviser
Mr. Hochtritt, Mr. Lane

The suggested outlines for majors and minors given below may be changed with the advice and consent of the Major Adviser. Such changes should be approved in writing by the Major Adviser.

Students desiring a general knowledge of Industrial Education, but not preparing to teach in that field, may arrange a three-year or four-year non-teaching minor in Industrial Education by consulting the Major Adviser.

Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Ind. Ed. 60</td>
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<tr>
<td>Engineering Drawing—Freshmen</td>
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<tr>
<td>Ind. Ed. 61</td>
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<tr>
<td>Engineering Drawing—Freshmen</td>
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<tr>
<td>Ind. Ed. 52</td>
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<tr>
<td>Wood Turning—Sophomores, Juniors</td>
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<tr>
<td>Ind. Ed. 55</td>
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<tr>
<td>Wood Finishing—Sophomores, Juniors</td>
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<td>Ind. Ed. 65</td>
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<td>Furniture Design—Sophomores, Juniors</td>
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<tr>
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<tr>
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<td>Choice of three</td>
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<tr>
<td>Ind. Ed. 105</td>
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<tr>
<td>Carpentry—Juniors</td>
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<td>Ind. Ed. 110</td>
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<td>Sheet Metal—Juniors</td>
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<td>Ind. Ed. 146</td>
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<td>Printing—Juniors</td>
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<td>Ind. Ed. 140</td>
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<td>Period Furniture Construction—Seniors</td>
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<td>Ind. Ed. 141</td>
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<tr>
<td>Period Furniture Design—Seniors</td>
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<tr>
<td>Ind. Ed. 175</td>
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<td>Philosophy of Vocational Education—Seniors</td>
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<td>Ind. Ed. 180</td>
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<tr>
<td>History of Industrial Education—Seniors</td>
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<td>Ind. Ed. 190</td>
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<tr>
<td>Seminar in Industrial Education—Seniors</td>
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Total: 35 credits

First Minor

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<td>Engineering Drawing—Sophomores, Juniors</td>
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<td>Wood Turning—Sophomores, Juniors</td>
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<tr>
<td>Ind. Ed. 55</td>
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<tr>
<td>Wood Finishing—Sophomores, Juniors</td>
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</table>
State Normal School

Ind. Ed. 65  Furniture Design—Sophomores, Juniors... 1 credit
Ind. Ed. 66  Furniture Construction—Sophomores, Juniors 3 credits
Ind. Ed. 80  Class and Shop Organization and Management—Sophomores, Juniors 2 credits
Choice of two... 4 credits
  Ind. Ed. 71  Electrical Work—Juniors 2 credits
  Ind. Ed. 105  Carpentry—Juniors 2 credits
  Ind. Ed. 110  Sheet Metal—Juniors 2 credits
  Ind. Ed. 115  Bench Metal—Juniors 2 credits
Ind. Ed. 175  Philosophy of Vocational Education—Seniors 2 credits
Ind. Ed. 180  History of Industrial Education—Seniors 2 credits
Total... 19 credits

Second Minor

Choice of 12 credits required for the completion of the above first minor.

**Ind. Ed. 1.** Introduction to Industrial Education. The development of elementary skills and appreciations in industrial education. The student is introduced to the problems of the field by participating in the several activities of the industrial education program and by studying its aims.

All quarters. Two credits. Mr. Lane, Mr. Dales.

**Woodworking**

**Ind. Ed. 52.** Wood Turning. The use and care of lathes and tools. Spindle and face-plate work.

Fall, winter and summer quarters. One credit. Mr. Lane.

**Ind. Ed. 66.** Furniture Construction. The construction and finishing of a simple piece of furniture. Hand tools will be used.

Winter and summer quarters. Three credits. Mr. Lane.

**Ind. Ed. 90.** Mill Work. Care and adjustment of woodworking machinery. An analysis is made for each machine. Installation and maintenance of machines is studied and applied by demonstration and practice.

Fall and summer quarters. Three credits. Mr. Lane.

**Ind. Ed. 105.** Carpentry. Simple framing, finishing and study of lumber in the construction of some small building or parts of buildings.

Fall quarter. Two credits. Mr. Dales.
**Ind. Ed. 135. Wood Carving.** A study and use of tools and woods in making low and high relief carving.
Winter and summer quarters. One credit. Mr. Dales.

**Ind. Ed. 141. Period Furniture Construction.** An advanced course in furniture making. Mortise and tenon, drawer, panel, and veneer construction; also turning, bandsawing, shaping and inlaying may be used. Machines are used for all work.
Winter and summer quarters. Four credits. Mr. Lane.

**Ind. Ed. 143. Advanced Wood Turning.**
Fall, winter and summer quarters. One or two credits. Mr. Lane.

**Metal**

**Ind. Ed. 71. Electrical Work.** A study of the sources, principles and applications of electricity including magnetism, heat, bell circuits, house wiring, and simple motors. Particular attention is given to working out a series of problems suitable for junior high school classes.
Spring quarter. Two credits. Mr. Lane.

**Ind. Ed. 110. Sheet Metal.** This course is divided into two parts: elementary hand work and advanced machine work. The sheet metal used will be tin, galvanized and black iron.
Winter quarter. Two credits. Mr. Dales.

**Ind. Ed. 115. Bench Metal.** An elementary course in metal working; including chipping, filing, drilling, light forging, tempering, case hardening, using taps and dies, etc. Useful tools and appliances are designed and constructed.
Spring quarter. Two credits. Mr. Lane.

**Ind. Ed. 120. Machine Lathe Work.** Care and operation of a standard, back geared, screw cutting engine lathe. The course will include spindle turning, face plate and chuck work. Besides plane turning, instruction will be given in drilling, boring, knurling, gear changing, thread cutting, etc.
Only one student in class.
Fall, spring and summer quarters. Two credits. Mr. Lane.

**Ind. Ed. 125. Metal Spinning.** Use of wood turning lathe in shaping metal.
Summer quarter. One credit. Mr. Lane.
**State Normal School**

**Ind. Ed. 130. Radio Construction.** Theory of transmission and reception. Experimental work with crystal and vacuum tube detectors and amplifiers. Several radio receivers are constructed by each student from laboratory parts.

Spring quarter. Two credits. Mr. Lane.

**Drawing**

**Ind. Ed. 60. Engineering Drawing.** Lettering, applied geometry, sketching, orthographic projection, auxiliary views, revolutions, sectional views and pictorial representations.

Fall and summer quarters. Three credits. Mr. Dales.

**Ind. Ed. 61. Engineering Drawing.** Developments, intersections, fastenings, detail and assembly drawings, inking tracing and blueprinting.

Winter and summer quarters. Two or three credits. Mr. Dales.


Spring quarter. Three credits. Mr. Dales.

**Ind. Ed. 65. Furniture Design.** Designing, drawing, tracing and blue printing, a set of working plans for a piece of furniture. These plans to be used in Ind. Ed. 66.

Winter and summer quarters. One credit. Mr. Lane.

**Ind. Ed. 140. Period Furniture Design.** Designing, drawing, tracing and blue printing a set of working plans for a piece of period furniture. These plans to be used in Ind. Ed. 141.

Winter and summer quarters. One credit. Mr. Lane.

**Ind. Ed. 150. Architectural Drawing.** Lettering, foundations, framing, details of buildings, stairs and conventions.

Spring and summer quarters. Two credits. Mr. Dales.

**Ind. Ed. 151. Architectural Drawing.** Floor plans and elevations for a small house.

Spring and summer quarters. Two credits. Mr. Dales.

**Ind. Ed. 152. Architectural Drawing.** Sections, details, plot plan, tracing and blueprinting.

Spring and summer quarters. Two credits. Mr. Dales.
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Organization, Administration and Theory

Ind. Ed. 80. Class and Shop Organization and Management. Planning, installing, cost of equipment and the administration of industrial education courses in elementary and junior high schools.

Spring quarter. Two credits. Mr. Dales.

Ind. Ed. 160. Student Teaching in Industrial Education. Supervised observation and practice teaching in the primary, intermediate and junior high industrial education classes.

All quarters. One to five credits. Mr. Dales, Mr. Lane.

Ind. Ed. 165. Instruction Sheets in Industrial Education. The study and writing of several kinds of instruction sheets used in the industrial education classes.

Summer quarter. One credit. Mr. Dales.

Ind. Ed. 170. Industrial Education Tests. The study and writing of several kinds of tests used in the industrial education classes.

Spring and summer quarters. One credit. Mr. Dales.

Ind. Ed. 175. Philosophy of Vocational Education. This course aims to acquaint the student with the objectives, problems, principles and practices of vocational training in the public schools.

Spring quarter. Two credits. Mr. Lane.

Ind. Ed. 180. History of Industrial Education. A study of the background and development of our present industrial education program.

Fall quarter. Two credits. Mr. Dales.

Ind. Ed. 190. Seminar in Industrial Education. A fourth year course that will include the discussion of current industrial education topics and the writing of a term paper.

Winter quarter. Two credits. Mr. Dales.

Other Courses

Ind. Ed. 55. Wood Finishing. A study of the various finishes that are used in the industrial education shops. A complete set of common wood samples will be finished.

Fall, winter and summer quarters. One credit. Mr. Lane.
Ind. Ed. 145. Home Mechanics. Home repair jobs in wood, glass, metal and paint will be used as problems.
Spring quarter. Two credits. Mr. Dales.

Ind. Ed. 146. Printing. Observation and practice in the print shop.
Spring and summer quarters. Two credits. Mr. Hochtritt.

Fall quarter. One credit. Mr. Dales.
LABORATORY SCHOOLS

Mr. Frasier, Director of Laboratory Schools and Adviser
Mr. Pence, Principal Junior High School
Miss Day, Miss Dryden, Miss Everett, Mrs. Haas, Miss Lang, Miss Lavin, Miss McGrath, Miss Peterson, Miss Stolte

Student teaching is provided in the Campus Elementary School, the Cheney Junior High School, and the Elementary and Junior High Schools of Spokane.

Students must have a grade point average of 1.00 or better in all credits earned in residence at Cheney in order to do Student Teaching.

Students must register with the Director of Laboratory Schools for Student Teaching during the third quarter before they do Student Teaching. As far as possible, students will be assigned to the grade which they request.

Kindergarten

Beginning with the winter quarter of 1936-1937 the college will have complete and up-to-date facilities for the training of kindergarten teachers. The new laboratory school building was planned to include kindergarten work and is being equipped according to the best current theories.

There will be courses in kindergarten theory in the college curriculum and students will have an opportunity to do kindergarten student teaching. A well-trained kindergarten specialist will be in charge.

Second Minors in Teaching

To make possible specialization in the primary, intermediate, or junior high school fields, the student may, with the advice of the Director of Laboratory Schools, select 12 or more hours of work in courses especially adapted to the chosen field. These minors in Primary Teaching, Intermediate Teaching, and Junior High Teaching round out the training of the student. The courses taken are chosen after a survey of the student's general training and interest has been made. One of these minors may be used to satisfy the minor requirements in the three-year curriculum or the second minor requirements in the four-year curriculum.
Among the courses which may be taken to satisfy teaching minor requirements are the following:

**Suggestions For Primary Minor**

Art 54 .................. Primary Construction  
Art 108 .................. Lettering  
Biol. 9 .................. Nature Study  
L. S. 121 ................ Advanced Primary Teaching  
Lib. Sci. 101 ............. Children's Library  
Music 101 ................ Primary Music Methods  
P. E. 9 .................. Primary P. E. Methods  
Psych. 137 ................ Mental Health  
Soc. Sci. 116 ............. Manuscript Writing  
Speech 101 ............... Storytelling  
Speech 103 ............... Corrective Speech  

**Suggestions For Intermediate Minor**

Art 102 .................. Public School Art  
Biol. 9 .................. Nature Study  
Eng. 103 ................ Children's Literature  
Geog. .................... 102, 103, 104, 105  
Hist. ...................... 52, 107, 108, 115  
L. S. 122 ................ Advanced Intermediate Teaching  
Lib. Sci. 101 ............. Children's Library  
Music 103 ................ Intermediate Music Methods  
Speech 101 ............... Storytelling  
Speech 103 ............... Corrective Speech  
Speech 105 ............... Creative Dramatics  

**L. S. 51. First Grade Laboratory Observation.** The principles, procedures, and materials of the first grade. Lectures, discussions, assigned problems, and observation in the Campus Elementary School.  

*Prerequisites:* Ed. 2, Psych. 1, Psych. 66. All quarters. Two credits. Miss McGrath.  

**L. S. 52. Second Grade Laboratory Observation.** The principles, procedures, and materials of the second grade. Lectures, discussions, assigned problems and observation in the Campus Elementary School.  

*Prerequisites:* Ed. 2, Psych. 1, Psych. 66. All quarters. Two credits. Miss Everett.
L. S. 53. Third Grade Laboratory Observation. The principles, procedures, and materials of the third grade. Lectures, discussions, assigned problems, and observation in the Campus Elementary School.

Prerequisites: Ed. 2, Psych. 1, Psych. 66. All quarters. Two credits. Miss Peterson.

L. S. 54. Fourth Grade Laboratory Observation. The principles, procedures, and materials of the fourth grade. Lectures, discussions, assigned problems, and observation in the Campus Elementary School.

Prerequisites: Ed. 2, Psych. 1, Psych. 66. All quarters. Two credits. Miss Stolte.

L. S. 55. Fifth Grade Laboratory Observation. The principles, procedures, and materials of the fifth grade. Lectures, discussions, assigned problems, and observation in the Campus Elementary School.

Prerequisites: Ed. 2, Psych. 1, Psych. 66. All quarters. Two credits. Miss Day.

L. S. 56. Sixth Grade Laboratory Observation. The principles, procedures, and materials of the sixth grade. Lectures, discussions, assigned problems, and observation in the Campus Elementary School.

Prerequisites: Ed. 2, Psych. 1, Psych. 66. All quarters. Two credits. Miss Lang.

L. S. 60. Junior High Laboratory Observation. The principles, procedures, and sources of materials in language, arts, and literature for the junior high school grades—seven, eight, and nine. Lectures, discussions, assigned problems, and observation in the Cheney Junior High School.

Prerequisites: Ed. 2, Psych. 1, Psych. 66. All quarters. Three credits. Miss Dryden.

L. S. 61. Junior High Laboratory Observation. The principles, procedures, and sources of materials in social studies, science, and mathematics for the junior high school grades—seven, eight, and nine. Lectures, discussions, assigned problems, and observation in the Cheney Junior High School.

Prerequisites: Ed. 2, Psych. 1, Psych. 66. All quarters. Three credits. Mr. Pence.
L. S. 104. Primary Student Teaching. Supervised teaching in the primary grades; first, second, and third. 200 minutes a day for twelve weeks.

Prerequisite: Two quarters of L. S. 51, 52, 53. All quarters. Ten credits. Miss McGrath, Miss Everett, Miss Peterson.

L. S. 105. Intermediate Student Teaching. Supervised teaching in the intermediate grades; fourth, fifth, and sixth. 200 minutes a day for twelve weeks.

Prerequisite: Two quarters of L. S. 54, 55, 56. All quarters. Ten credits. Miss Stolte, Miss Day, Miss Lang.

L. S. 106. Junior High Student Teaching. Supervised teaching in the junior high school grades; seven, eight, and nine. 200 minutes a day for twelve weeks.

Prerequisite: L. S. 60 and 61. All quarters. Ten credits. Miss Dryden, Mr. Pence.

L. S. 121. Advanced Primary Teaching. With the permission of the Director of Laboratory Schools, students may elect from one to three credits of supervised teaching in the primary grades.

All quarters. One-three credits to be arranged. Staff.

L. S. 122. Advanced Intermediate Teaching. With the permission of the Director of Laboratory Schools, students may elect from one to three credits of supervised teaching in the intermediate grades.

All quarters. One-three credits to be arranged. Staff.

L. S. 123. Advanced Junior High Teaching. With the permission of the Director of Laboratory Schools, students may elect from one to three credits of supervised teaching in the junior high school grades.

All quarters. One-three credits to be arranged. Staff.

L. S. 195. Principles of Elementary Education. Seminar in the philosophy, organization, procedures, and policies of the Campus Elementary School. For advanced students.

Prerequisite: Consent of the Director of Laboratory Schools. The entire staff of the Laboratory School comprise the teaching staff for this course. Summer quarter. Five credits.
LIBRARY SCIENCE

MR. BLAIR, Librarian
MISS BARTON, MRS. HAAS

Second Minor in Library Science

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<td>Library Administration</td>
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<td>Lib. Sci. 101</td>
<td>The Children's Library</td>
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<td>Children's Literature</td>
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<td>Speech 101a</td>
<td>Storytelling</td>
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<td>Art 108</td>
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Lib. Sci. 1. Library Techniques. The use of the school library; methods of organizing and conducting small school libraries; classification of books, cataloging, the dictionary catalog, reference books, and school libraries.

All quarters. No credit. Miss Barton.

Lib. Sci. 10. Library Administration. Designed to teach the administration of library for the elementary and junior high school. Classification, cataloging, mending, binding, and reference work.

Winter and summer quarters. Two credits. Mr. Blair.

Lib. Sci. 101. The Children's Library. Consideration of such topics as: The authors and illustrators of children's books, the physical make-up of children's books, types of children's literature, the selection of books for children's libraries, literature suitable for children according to age, children's magazines, reference books, visual material, care and cataloging of books, ways of developing the child's interest in different types of books, the introduction of new books.

Prerequisites: Library Science 1, Training Schools 104, 105, or 106, and the consent of the instructor. All quarters. Three credits. Mrs. Haas.
The requirements for majors and minors given below may be changed with the advice and consent of the Major Adviser. Such changes should be approved in writing by the Major Adviser.

Students who have not had solid geometry or third semester algebra in high school will be required to make up the deficiency by taking the subjects as electives.

The choices indicated below are limited by prerequisites, which should be carefully noted.

**Major**

Choice of 35 credits:

- Math. 54 College Algebra ...................... 5 credits
- Math. 55 Trigonometry .......................... 5 credits
- Math. 56 Analytical Geometry ................. 5 credits
- Math. 102 Mathematics of Investment ......... 3 credits
- Math. 107 Advanced Analytics ................ 2 credits
- Math. 108 Vector Analysis ........................ 2 credits
- Math. 110, 111, 112 Calculus ................... 15 credits

**First Minor**

Choice of 20 credits in courses required for the completion of the above major.

**Second Minor**

Choice of 12 credits in courses required for the completion of the above first minor.

Math. A. Sub-Freshman Mathematics. This course is required of all students unable to show arithmetic proficiency.

Winter and spring quarters. Four recitations a week. No credits. Dr. Botsford.

Math. 3. Solid Geometry.

Prerequisite: A year’s work each in plane geometry and algebra. Winter quarter. Five credits. Dr. Botsford.
Math. 4. Advanced Algebra. This course is given for those students who have not had three semesters of high school algebra. Recommended to students intending to take more mathematics and science and who need a review of high school algebra.

Fall quarter. Five credits. Dr. Dahlstrom.

Math. 54. College Algebra. Progression; arithmetic and geometric series; complex numbers; mathematical induction; solution of equations by approximation; etc.

Fall and spring quarters. Five credits. Dr. Dahlstrom.


Winter quarter. Five credits. Dr. Dahlstrom.

Math. 56. Analytical Geometry. Study of straight line, conic sections, and other algebraic curves.

Prerequisite: Math. 55. Spring quarter. Five credits. Dr. Dahlstrom.

Math. 102. Mathematics of Investment. Interest and annuities; sinking funds, bonds, investments; capitalization, amortization.

Spring and summer quarters. Three credits. Dr. Botsford.

Math. 107. Advanced Analytics. Consideration of advanced analytical methods; analytical geometry of three dimensions.

Prerequisites: Math. 54, Math. 56. Fall quarter. Two credits. Dr. Botsford.

Math. 108. Vector Analysis. An introduction to the field; a course with important applications in physics and higher mathematics.

Winter quarter. Two credits. Dr. Dahlstrom.


Prerequisites: Math. 54, 55, 56. Fall, winter and spring quarters. Five credits a quarter. Dr. Botsford.
MODERN LANGUAGES

DR. TIEJE, Department Head and Adviser
MRS. BROWN, MISS DICKINSON

No credit is given for less than three quarters of work in a foreign language. Students who have not had foreign language in high school and who plan to apply their Normal School credits to college graduation elsewhere, should make certain of the college requirements in language before planning their Normal School schedules. The two years of work here satisfies the University of Washington requirement.

First Minor in Modern Languages
Six quarters of work in one foreign language......... 21 credits

Second Minor in Modern Languages
Three quarters of work in one foreign language....... 12 credits

French
Fr. 1, 2, 3. First Year French. Grammar, composition, reading of simple texts. Students must begin work in the fall quarter and continue it throughout the year.
Fall, winter and spring quarters. Four credits a quarter.
Miss Dickinson.
Fr. 4, 5, 6. Second Year French. Further study of syntax, composition, rapid reading of texts. The course must be begun in the fall quarter and continued throughout the year.
Prerequisites: Three quarters or two semesters of French.
Fall, winter and spring quarters. Three credits a quarter.
Miss Dickinson.

German
Ger. 1, 2, 3. First Year German. Grammar, composition, reading of simple texts. Students must begin work in the fall quarter and continue it throughout the year.
Fall, winter and spring quarters. Four credits a quarter.
Mrs. Brown.
Ger. 4, 5, 6. Second Year German. A rapid review of syntax, reading of magazines, newspapers and texts. To be taken consecutively beginning with the fall quarter.
Fall, winter and spring quarters. Three credits a quarter.
Mrs. Brown.
MUSIC

Mr. Rowles, Department Head and Major Adviser
Mr. Dayton, Mrs. Dayton, Miss Goodsell, Miss Lawton

The suggested outlines for majors and minors given below may be changed with the advice and consent of the Major Adviser. Such changes should be approved in writing by the Major Adviser.

*Students planning a major or minor in music for three-year certification are strongly advised to complete an adequate amount of applied music before the end of the third year. The major adviser should be consulted not later than the beginning of the sophomore year.*

**Major**

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<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mus. 18 Voice</td>
<td>3</td>
</tr>
<tr>
<td>Individual Instrumental Instruction</td>
<td>3</td>
</tr>
<tr>
<td>Additional Individual Instruction, Instrumental or Voice</td>
<td>2</td>
</tr>
<tr>
<td>Ensemble or Additional Individual Instruction</td>
<td>4</td>
</tr>
<tr>
<td>Mus. 54 Sight Singing and Ear Training</td>
<td>3</td>
</tr>
<tr>
<td>Mus. 55 Music Appreciation</td>
<td>2</td>
</tr>
<tr>
<td>Choice of:</td>
<td></td>
</tr>
<tr>
<td>Mus. 56 History of Music I</td>
<td>3</td>
</tr>
<tr>
<td>Mus. 106 History of Music II</td>
<td>3</td>
</tr>
<tr>
<td>Mus. 58 Harmony I</td>
<td>2</td>
</tr>
<tr>
<td>Mus. 101 Primary Music Methods</td>
<td>3</td>
</tr>
<tr>
<td>Mus. 103 Intermediate Music Methods</td>
<td>3</td>
</tr>
<tr>
<td>Mus. 105 Junior High School Music</td>
<td>2</td>
</tr>
<tr>
<td>Mus. 107 Music Supervision</td>
<td>3</td>
</tr>
<tr>
<td>Mus. 108 Harmony II</td>
<td>2</td>
</tr>
<tr>
<td>Mus. 120 Arranging and Conducting</td>
<td>2</td>
</tr>
</tbody>
</table>

Total: 37 credits

**First Minor**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mus. 18 Voice</td>
<td>2</td>
</tr>
<tr>
<td>Individual Instruction or Ensemble</td>
<td>2</td>
</tr>
<tr>
<td>(Not more than one credit in ensemble)</td>
<td></td>
</tr>
<tr>
<td>Mus. 54 Sight Singing and Ear Training</td>
<td>3</td>
</tr>
<tr>
<td>Mus. 55 Music Appreciation</td>
<td>2</td>
</tr>
<tr>
<td>Mus. 56 History of Music</td>
<td>3</td>
</tr>
<tr>
<td>Mus. 58 Harmony I</td>
<td>2</td>
</tr>
</tbody>
</table>
Choice of:

- Mus. 101 Primary Music Methods ........................................ 3 credits
- Mus. 103 Intermediate Music Methods .................................. 2 credits
- Mus. 105 Junior High School Music ...................................... 2 credits
- Mus. 107 Music Supervision .................................................. 3 credits
- Mus. 108 Harmony II ......................................................... 2 credits

Total .............................................................................. 24 credits

Second Minor

Choice of 12 credits in courses required for the completion of the above first minor.

Theory and Methods


Note: Music tests are given the first week of each quarter. Those in the upper twenty per cent are excused from the course.

Mus. 54. Sight Singing and Ear Training. Two periods a week are devoted to the singing of one- and two-part songs with varied rhythms and chromatic changes in both major and minor modes. Three periods are occupied with melodic dictation in major and minor keys involving varied rhythmic problems. Simple two-part songs are written from dictation.

Note: Should be taken before end of sophomore year.

Prerequisite: Music 1. Winter and summer quarters. Three credits. Mr. Rowles.

Mus. 55. Music Appreciation. The fundamental elements of music and their manifestation in vocal and instrumental music from early times to the present. Important themes from the works of the great composers are studied and memorized.

Fall, spring and summer. Two credits. Miss Lawton.

Mus. 56. History of Music I. The development of music from primitive times to the beginning of the nineteenth century. Phonograph records illustrating different periods of musical development are utilized.

*Prerequisite: Music 55.* Fall and spring quarters. Three credits. Miss Lawton.

**Mus. 101. Primary Music Methods.** Methods and procedure in teaching music in the primary grades.

*Prerequisite: Music 1.* Fall, winter, and summer quarters. Three credits. Miss Goodsell.

**Mus. 103. Intermediate Music Methods.** Methods and procedure in teaching music in the fourth, fifth, and sixth grades. The problems of the primary grades are reviewed.

*Prerequisite: Music 1.* Fall, spring, and summer quarters. Three credits. Mr. Rowles.

**Mus. 105. Junior High School Music.** A survey of music materials and the psychological aspects of teaching music in the seventh, eighth, and ninth grades.

*Prerequisite: Music 101 or 103.* Spring and summer quarters. Two credits. Miss Goodsell, Mr. Rowles.


*Prerequisite: Music 55.* Winter and summer quarters. Three credits. Miss Lawton.

**Mus. 107. Music Supervision.** The supervisor's problems. Different plans for supervision. Comparative methods and materials.

*Prerequisite: Music 101 or 103.* Spring and summer quarters. Three credits. Miss Goodsell.


*Prerequisite: Music 58.* Winter, spring, and summer quarters. Two credits. Mr. Dayton.
Mus. 109. Student Teaching in Music. Under the direction of the Supervisor of Music in the Training School. All quarters. Credits to be arranged. Miss Goodsell.


Prerequisite: Music 108. Spring and summer quarters. Two credits. Mr. Dayton.

Mus. 120. Arranging and Conducting. Theory and technique of conducting. Study of instrumentation for orchestra. Arranging of simple compositions for string and wind instruments and full orchestra.

Prerequisite: Music 58. Winter and summer quarters. Two credits. Mr. Rowles.

Mus. 121. Orchestra and Band Methods. Organization and development of instrumental work in the schools. Practical methods exemplified. Members of the class who play instruments are rehearsed as a group for demonstration purposes.

Summer quarter. Two credits. Mr. Rowles.


Summer quarter. Two credits. Mr. Rowles.

Mus. 123. Violin Methods. Principles of violin playing as applied to teaching. Examination of modern materials and methods. Course open to violin students having reasonable proficiency as performers. To be arranged with the violin instructor.

Summer quarter, unless specially arranged. One credit. Miss Lawton.

Ensemble Music

Mus. 10. Chorus (or Operetta). Mixed voices. Preparation of accompanied choral numbers for concert performance. Operetta produced during the winter quarter. Two one-hour rehearsals per week.

Winter quarter. One credit. Mr. Rowles.
Mus. 11. Pep Band. Music for pep assemblies and athletic events. Two one-hour rehearsals per week. Fall and winter quarters. One credit. Mr. Rowles.

Mus. 12. Violin Choir. One or two one-hour rehearsals per week as may be arranged. One credit. Miss Lawton.

Mus. 13. A Cappella Choir. Unaccompanied singing for mixed voices. Four one-hour rehearsals per week. Fall, winter and spring quarters. Two credits. Mr. Rowles.


Mus. 15. Chamber Music. Study of compositions written for different combinations of stringed and wind instruments. By special arrangement with the violin instructor. All quarters. One credit. Miss Lawton.

Applied Music


Mus. 17. Stringed Instruments. (a) Violin; (b) Viola; (c) Violoncello; (d) Doublebass. Correct position, facility of execution, and ease in handling the instrument. Technical studies and concert literature, with special care given to intonation and interpretation. Miss Lawton.


Fees and Credits for One Quarter of Applied Music.
One half-hour lesson a week—1 credit..........................$15.00
Two half-hour lessons a week—2 credits..........................30.00
Practice pianos rented for one hour daily........................3.00
Practice pianos rented for two hours daily.......................5.00
Pipe-organ practice, an hour.................................... .20
PHYSICAL AND HEALTH EDUCATION FOR MEN

Mr. Woodward, Department Head and Major Adviser
Miss Davidson, Miss Dustin, Miss Porter, Mr. Reese

The suggested outlines for majors and minors given below may be changed with the advice and consent of the Major Adviser. Such changes should be approved in writing by the Major Adviser.

**Major**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>P. E. 117</td>
<td>Football Coaching</td>
<td>2 credits</td>
</tr>
<tr>
<td>P. E. 119</td>
<td>Track Coaching</td>
<td>2 credits</td>
</tr>
<tr>
<td>P. E. 118</td>
<td>Basketball Coaching</td>
<td>2 credits</td>
</tr>
<tr>
<td>P. E. 126</td>
<td>Playground Organization</td>
<td>2 credits</td>
</tr>
<tr>
<td>Chem. 51</td>
<td>General Chemistry</td>
<td>5 credits</td>
</tr>
<tr>
<td>P. E. 13</td>
<td>Clogging</td>
<td>(\frac{1}{2}) credit</td>
</tr>
<tr>
<td>P. E. 114</td>
<td>Physical Education Methods</td>
<td>3 credits</td>
</tr>
<tr>
<td>P. E. 125</td>
<td>Physiology</td>
<td>5 credits</td>
</tr>
<tr>
<td>P. E. 103</td>
<td>School Hygiene</td>
<td>1 credit</td>
</tr>
<tr>
<td>P. E. 122</td>
<td>First Aid and Athletic Injuries</td>
<td>2 credits</td>
</tr>
<tr>
<td>P. E. 123</td>
<td>Baseball Coaching</td>
<td>2 credits</td>
</tr>
<tr>
<td>P. E. 124</td>
<td>Organization and Administration of Physical Education</td>
<td>4 credits</td>
</tr>
<tr>
<td>P. E. 128</td>
<td>Individual Gymnastics</td>
<td>3 credits</td>
</tr>
</tbody>
</table>

**Total** \(33\frac{1}{2}\) credits

**First Minor**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>P. E. 103</td>
<td>School Hygiene</td>
<td>1 credit</td>
</tr>
<tr>
<td>P. E. 114</td>
<td>P. E. Methods</td>
<td>3 credits</td>
</tr>
<tr>
<td>P. E. 117</td>
<td>Football Coaching</td>
<td>2 credits</td>
</tr>
<tr>
<td>P. E. 118</td>
<td>Basketball Coaching</td>
<td>2 credits</td>
</tr>
<tr>
<td>P. E. 119</td>
<td>Track Coaching</td>
<td>2 credits</td>
</tr>
<tr>
<td>P. E. 122</td>
<td>First Aid and Athletic Injuries</td>
<td>2 credits</td>
</tr>
<tr>
<td>P. E. 123</td>
<td>Baseball Coaching</td>
<td>2 credits</td>
</tr>
<tr>
<td>P. E. 124</td>
<td>Organization and Administration of P. E.</td>
<td>4 credits</td>
</tr>
<tr>
<td>P. E. 126</td>
<td>Playground Organization</td>
<td>2 credits</td>
</tr>
</tbody>
</table>

**Total** 20 credits

**Second Minor**

Choice of 12 credits in courses required for the completion of the above first minor.

**P. E. 1. Health Education.** Personal and general hygiene, physiology, sanitation, school hygiene and medical inspection. All quarters. Three credits. Miss Davidson.
P. E. 13. Physical Education Activities. All students are required to take three years of work in activities.
All quarters. One-half credit per quarter. Staff.
An activity may be selected from the following:
Basketball
Baseball
Boxing
Boy Scout Leadership (see Biology 20)
Clogging
Football
Games
Golf
Intramural Athletics
Life Saving
Playground Ball
Soccer
Swimming
Touch Football
Tennis
Track
Tumbling
Wrestling

Note: Students may not earn more than one-half credit in P. E. Activities (P. E. 13) in any one quarter. One quarter of P. E. Activities (P. E. 13) must be in swimming.

All quarters. One-half credit. Mr. Woodward, Mr. Reese.

P. E. 16. Corrective Work. Classes and individual work arranged according to needs.
All quarters. One-half credit. Mr. Woodward.

P. E. 102. Personal Hygiene. The study of such topics as health ideals, values and attitudes; the biological basis of life; the nervous system, physical health of the individual.
Prerequisite: P. E. 1. Winter, spring, and summer quarters.
Two credits. Miss Davidson.

P. E. 103. School Hygiene. Consideration of such topics as responsibilities of the home, school, and child in the pre-
vention and control of disease; the common infections and contagious diseases; tuberculosis; the teaching of hygiene; health programs.

Fall, winter, and summer quarters. One credit. Miss Davidson.

P. E. 114. Physical Education Methods. Methods and educational values of systematic physical education as adapted to primary, intermediate, and junior high school grades.

Fall and winter quarters. Three credits. Mr. Woodward.

P. E. 117. Football Coaching. The theory and practice of football fundamentals; punting, drop-kicking, place-kicking, kick-off, passing, tackling, catching punts, blocking, interference; offensive and defensive styles of play, duties of each player on offense and defense, teamwork, generalship and strategy, plays and signals; conditioning of players, and rules.

Fall and summer quarters. Two credits. Mr. Reese.

P. E. 118. Basketball Coaching. Instruction in goal-throwing, passing, dribbling, pivoting, individual and team play, and the different styles of plays and rules.

Winter and summer quarters. Two credits. Mr. Reese.

P. E. 119. Track Coaching. Sprinting, distance-running, high and low hurdles, high and broad jump, pole vault, shot-putting, discus and javelin-throwing; rules, management of meets, the diet and conditioning of men.

Spring and summer quarters. Two credits. Mr. Reese.

P. E. 122. First Aid and Athletic Injuries. This course includes practice in the use of various kinds of bandages, dressings, antiseptics, disinfectants, etc. It aims to give teachers knowledge and practical skill in rendering aid and treatment in case of emergencies.

All quarters. Two credits. Mr. Reese.

P. E. 123. Baseball Coaching. This course includes instruction in pitching and pitching strategy; batting and base-running; the correct methods of fielding each position; team play, field work, and rules.

Spring and summer quarters. Two credits. Mr. Woodward.

P. E. 124. Organization and Administration of Physical Education. Administration problems in physical education in-
cluding intramural athletics, class work, interschool athletics, programs of sports, methods of organizing competition, management of meets, and similar problems.

Prerequisite: P. E. 114. Fall, spring, and summer quarters. Four credits. Mr. Woodward.

P. E. 125. Physiology. A study of cellular elements and tissues followed by thorough consideration of the digestive, respiratory, circulatory, and nervous systems. Special emphasis on metabolism, internal and external secretions, and excretions.

Prerequisite: P. E. 11. All quarters. Five credits. Miss Davidson.

P. E. 126. Playground Organization. Organization, equipment, management, and supervision of playgrounds; instructions in games and other activities.

Prerequisite: P. E. 114. Spring and summer quarters. Two credits. Mr. Woodward.

P. E. 127. Student Teaching in Physical Education.

Prerequisite: P. E. 114. All quarters. One credit. Staff.

P. E. 128. Individual Gymnastics. The study of abnormal conditions that frequently occur; corrective exercises for the most common defects.

Prerequisite: P. E. 125. Winter and summer quarters. Three credits. Mr. Woodward.

P. E. 129. Methods and Materials of Health Education. This course takes up various methods and devices used in the Elementary grades of the school. Courses of study of outstanding school systems that have attracted attention because of their work in health education will be studied and compared. The problem of the health of the teacher, control of contagion, etc., are other features of this course.

Prerequisite: P. E. 1. Fall, spring, and summer quarters. Two credits. Miss Davidson.
PHYSICAL AND HEALTH EDUCATION
FOR WOMEN

Mr. Woodward, Department Head and Major Adviser
Miss Davidson, Miss Dustin, Miss Porter

The suggested outlines for majors and minors given below may be changed with the advice and consent of the Major Adviser. Such changes should be approved in writing by the Major Adviser.

Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>P. E. 109</td>
<td>Primary P. E. Methods</td>
<td>Freshmen 2 credits</td>
</tr>
<tr>
<td>P. E. 108</td>
<td>Basketball Coaching</td>
<td>Sophomores 1 credit</td>
</tr>
<tr>
<td>P. E. 110</td>
<td>Intermediate P. E. Methods</td>
<td>Sophomores 3 credits</td>
</tr>
<tr>
<td>P. E. 126</td>
<td>Playground Organization</td>
<td>Sophomores 2 credits</td>
</tr>
<tr>
<td>Chem. 51</td>
<td>General Chemistry</td>
<td>Sophomores 5 credits</td>
</tr>
<tr>
<td>P. E. 5</td>
<td>Advanced Folk Dancing</td>
<td>Juniors 1 credit</td>
</tr>
<tr>
<td>P. E. 111</td>
<td>Junior High P. E. Methods</td>
<td>Juniors 3 credits</td>
</tr>
<tr>
<td>P. E. 125</td>
<td>Physiology</td>
<td>Juniors 5 credits</td>
</tr>
<tr>
<td>P. E. 103</td>
<td>School Hygiene</td>
<td>Seniors 1 credit</td>
</tr>
<tr>
<td>P. E. 121</td>
<td>First Aid and Nursing</td>
<td>Seniors 2 credits</td>
</tr>
<tr>
<td>P. E. 124</td>
<td>Organization and Administration of P. E.</td>
<td>Seniors 4 credits</td>
</tr>
<tr>
<td>P. E. 128</td>
<td>Individual Gymnastics</td>
<td>Seniors 3 credits</td>
</tr>
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</table>

Total: 33 credits

First Minor

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>P. E. 5</td>
<td>Advanced Folk Dancing</td>
<td>1 credit</td>
</tr>
<tr>
<td>P. E. 109</td>
<td>Primary P. E. Methods</td>
<td>3 credits</td>
</tr>
<tr>
<td>P. E. 110</td>
<td>Intermediate P. E. Methods</td>
<td>3 credits</td>
</tr>
<tr>
<td>P. E. 111</td>
<td>Junior High P. E. Methods</td>
<td>3 credits</td>
</tr>
<tr>
<td>P. E. 103</td>
<td>School Hygiene</td>
<td>1 credit</td>
</tr>
<tr>
<td>P. E. 121</td>
<td>First Aid and Nursing</td>
<td>2 credits</td>
</tr>
<tr>
<td>P. E. 124</td>
<td>Organization and Administration of P. E.</td>
<td>4 credits</td>
</tr>
<tr>
<td>P. E. 126</td>
<td>Playground Organization</td>
<td>2 credits</td>
</tr>
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</table>

Total: 19 credits

Second Minor

Choice of 12 credits in courses required for the completion of the above first minor.

P. E. 1. Health Education. Personal and general hygiene, physiology, sanitation, school hygiene and medical inspection.

All quarters. Three credits. Miss Davidson.
P. E. 4. Physical Education Activities. All students are required to take three years of work in activities.

All quarters. One-half credit a quarter. Staff.

An activity may be selected from the following:
- Archery
- Basketball
- Clogging
- Golf
- Hockey
- Jollyball
- Life Saving
- Natural Dancing
- Playground Ball
- Simple folk dances and games
- Soccer
- Swimming (beginning, intermediate, advanced)
- Tennis
- Track
- Volleyball

Note: Students may not earn more than one-half credit in P. E. Activities (P. E. 4) in any one quarter.

One quarter of P. E. Activities (P. E. 4) must be in swimming.

Hiking may be elected as a non-credit activity for Yep Kanum or "W" points.

P. E. 5. Advanced Folk Dancing.

Prerequisite: P. E. 4. Simple Folk Dances and Games. Spring and summer quarters. One credit. Miss Dustin, Miss Porter.

P. E. 102. Personal Hygiene. The study of such topics as health ideals, values and attitudes; the biological basis of life; the nervous system; physical factors in normal mental life; the place of sex in the mental and physical health of the individual.

Prerequisite: P. E. 1. Winter, spring, and summer quarters. Two credits. Miss Davidson.

P. E. 103. School Hygiene. Consideration of such topics as responsibilities of the home, school, and child in the pre-
vention and control of disease; the common infections and contagious diseases; tuberculosis; the teaching of hygiene; health programs.

Fall, winter, and summer quarters. One credit. Miss Davidson.

**P. E. 108. Basketball Coaching.** Fundamentals of coaching, refereeing, and interpretation of rules. Instruction and suggestion for the improvement of the biological, mental, social, and moral benefits of team games.

*Prerequisite: Sophomore standing.* Winter quarter. One credit. Miss Dustin.


Fall and summer quarters. Three credits. Miss Dustin.

**P. E. 110. Intermediate P. E. Methods.** Games, folk dances, and school-room activities.

Winter and summer quarters. Three credits. Miss Dustin.

**P. E. 111. Junior High P. E. Methods.** Organized games, folk dances and posture exercises.

Spring and summer quarters. Three credits. Miss Dustin.

**P. E. 112. Corrective Work.** Classes and individual work arranged according to needs.

All quarters. One-half credit. Staff.

**P. E. 121. First Aid and Nursing.** First aid for school-room and playground injuries. Nursing as an aid to the teacher in schoolroom and health problems.

Winter, spring, and summer quarters. Two credits. Miss Craney.

**P. E. 123. Baseball Coaching.** Pitching and pitching strategy; batting and baserunning; the correct methods of fielding each position; team play, field work, and rules.

Spring and summer quarters. Two credits. Mr. Woodward.

**P. E. 124. Organization and Administration of Physical Education.** A study of administration problems in physical education, including intramural athletics, class work, inter-
school athletics, programs of sports, methods of organizing
competition, management of meets, and similar problems.

Prerequisite: P. E. 109, 110, or 111. Fall, spring, and summer
quarters. Four credits. Mr. Woodward.

P. E. 125. Physiology. A study of cellular elements and
tissues followed by thorough consideration of the digestive,
respiratory, circulatory, and nervous systems. Special em­
phasis on metabolism, internal and external secretions, and
excretions.

Prerequisite: P. E. 1. All quarters. Five credits. Miss
Davidson.

P. E. 126. Playground Organization. Organization, equip­
ment, management, and supervision of playgrounds; instruction
in games and other activities.

Prerequisite: P. E. 109, 110, or 111. Spring and summer
quarters. Two credits. Mr. Woodward.

P. E. 127. Student Teaching in Physical Education.

Prerequisite: P. E. 109, 110, or 111. All quarters. One credit.
Staff.

P. E. 128. Individual Gymnastics. The study of abnormal
conditions that frequently occur; corrective exercises for the
most common defects.

Prerequisite: P. E. 125. Winter and summer quarters. Three
credits. Mr. Woodward.

P. E. 129. Methods and Materials of Health Education.
This course takes up various methods and devices used in the
elementary grades of the school. Courses of study of out­
standing school systems that have attracted attention because
of their work in health education will be studied and com­
pared. The problem of the health of the teacher, control of
contagion, etc., are other features of this course.

Prerequisite: P. E. 1. Fall, spring, and summer quarters.
Two credits. Miss Davidson.
The suggested outlines for majors and minors given below may be changed with the advice and consent of the Major Adviser. Such changes should be approved in writing by the Major Adviser.

**Major in Physical Sciences**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem. 51</td>
<td>General Chemistry</td>
<td>Freshmen 5 credits</td>
</tr>
<tr>
<td>Chem. 52</td>
<td>General Chemistry</td>
<td>Freshmen 5 credits</td>
</tr>
<tr>
<td>Chem. 53</td>
<td>General Chemistry</td>
<td>Freshmen 5 credits</td>
</tr>
<tr>
<td>Phys. 61</td>
<td>General Physics</td>
<td>Sophomores 5 credits</td>
</tr>
<tr>
<td>Phys. 62</td>
<td>General Physics</td>
<td>Sophomores 5 credits</td>
</tr>
<tr>
<td>Phys. 63</td>
<td>General Physics</td>
<td>Sophomores 5 credits</td>
</tr>
<tr>
<td>Choice of</td>
<td></td>
<td>5 credits</td>
</tr>
<tr>
<td>Chem. 105</td>
<td>Qualitative Analysis</td>
<td>5 credits</td>
</tr>
<tr>
<td>Chem. 106</td>
<td>Qualitative Analysis</td>
<td>3 credits</td>
</tr>
<tr>
<td>Chem. 110</td>
<td>Quantitative Analysis</td>
<td>3 credits</td>
</tr>
<tr>
<td>Chem. 111</td>
<td>Quantitative Analysis</td>
<td>5 credits</td>
</tr>
<tr>
<td>Chem. 107</td>
<td>Organic Chemistry</td>
<td>5 credits</td>
</tr>
<tr>
<td>Chem. 108</td>
<td>Organic Chemistry</td>
<td>5 credits</td>
</tr>
<tr>
<td>Chem. 109</td>
<td>Organic Chemistry</td>
<td>5 credits</td>
</tr>
<tr>
<td>Geog. 110</td>
<td>Elements of Geology</td>
<td>3 or 5 credits</td>
</tr>
</tbody>
</table>

Total: 35 credits

**First Minor in Physical Sciences**

Choice of 20 credits from General Chemistry and General Physics.

**Second Minor in Physical Sciences**

Choice of:

- Chem. 51, 52, 53 General Chemistry 15 credits
- Phys. 61, 62, 63 General Physics 15 credits

**Major in Chemistry**

Thirty-five credits in Chemistry.

**First Minor in Chemistry**

Twenty credits in Chemistry.
Second Minor in Chemistry

Chem. 51, 52, 53  General Chemistry ............ 15 credits

Physical Science

Phys. Sci. 3. Survey of the Physical Sciences. Required of all students except those taking a year of physics or chemistry. This course intends to give an understanding of the material universe and the relation of science to modern civilization. Considers briefly the essentials of different natural sciences and what constitutes scientific thinking and investigation. Provides material for elementary school science.

All quarters. Four credits. Dr. Botsford, Dr. Freeman, Dr. Dahlstrom.

Chemistry

Chem. 5. Introduction to Chemistry. A non-technical course designed to acquaint the student with the essentials of chemistry and to give a broad survey of the contributions of chemistry to civilization, with illustrations of its importance in modern industry and everyday life. Especially desirable for those who are planning to take General Chemistry, but have not had chemistry in high school.

Summer quarter. Three credits. Mr. Tallyn.

Chem. 51, 52, 53. General Chemistry. The principles of chemistry and the properties of the elements and their more important compounds, with emphasis on the application of chemistry to industry and everyday life. These courses run in sequence and should be begun in the fall quarter. Three class periods and two double laboratory periods a week.

Fall, winter, and spring quarters. Five credits a quarter. Mr. Tallyn.

Chem. 105, 106. Qualitative Analysis. Review and extension of chemical principles, applicable to analysis; the systematic detection of metals and acid groups leading to the identification of simple inorganic substances. These courses run in sequence and should be begun in the fall quarter. Two class periods and three double laboratory periods a week in fall quarter. One class period and two double laboratory periods a week in winter quarter.

Prerequisites: Chem. 51, 52, 53. Chem. 105, Fall quarter. Five credits. Chem. 106, Winter quarter. Three credits. Mr. Tallyn.
Chem. 107, 108, 109. Organic Chemistry. An introduction to the Chemistry of carbon compounds, including the principles of organic chemistry and methods of preparation and properties of the typical and more important organic compounds, with special attention to those of importance in industry and everyday life. These courses run in sequence and should be begun in the fall quarter. Three class periods and two triple laboratory periods a week.

Prerequisites: Chem. 51, 52, 53. Fall, winter, and spring quarters. Five credits a quarter. Mr. Tallyn.

Chem. 110, 111. Quantitative Analysis. Gravimetric and volumetric analysis; stoichiometrical relations. These courses run in sequence and should be begun in the winter quarter. One class period and two double laboratory periods in winter quarter and one class period and four double laboratory periods a week in the spring quarter.

Prerequisites: Chem. 51, 52, 53. Chem. 110, winter quarter. Three credits. Chem. 111, spring quarter. Five credits. Mr. Tallyn.

Physics

Phys. 61, 62, 63. General Physics. The laws of force and motion, properties of matter, nature and transformations of energy, and the fundamental physical phenomena of the universe with illustrations and application of the principles to familiar things. These courses run in sequence and should be begun in the fall quarter. Three class periods and two double laboratory periods a week.

Fall, winter, and spring quarters. Five credits a quarter. Dr. Dahlstrom.
PSYCHOLOGY

DR. WILLIAMSON, Department Head and Adviser

DR. BARBER, MR. HAWK, MR. SHINKLE, DEAN WALLACE

The suggested outlines for the minor given below may be changed with the advice and consent of the Adviser. Such changes should be approved in writing by the Adviser.

Second Minor

Choice of 12 credits:

Psych. 130 Psychology of Exceptional Children .......... 4 credits
Psych. 136 Social Psychology .................................. 4 credits
Psych. 137 Psychology of Mental Health .................. 5 credits
Psych. 138 Applied Psychology .................................. 3 credits
Psych. 139 Clinical Psychology ................................. 3 credits
Phil. 51 Introduction to Philosophy ............................. 5 credits

Psych. 1. General Psychology. This course presents the subject matter of the science of psychology, its concepts, theories, and methods.

All quarters. Five credits. Mr. Shinkle, Dean Wallace.

Psych. 66. Educational Psychology. The nature of the individual and the principles of learning. Demonstration, experimentation, and objective measurement.

Prerequisite: Psych. 1. All quarters. Five credits. Mr. Hawk.

Psych. 105. Psychology of Childhood and Adolescence. A study of the development of human beings from infancy to maturity. Emphasis is given to the influence of home, school, and other environments upon the habit formation of the individual.

Prerequisites: Psych. 1 and junior or senior standing. Fall, winter, and summer quarters. Four credits. Dr. Barber.

Psych. 130. Psychology of Exceptional Children. The psychology and treatment of children who do not respond readily to the usual methods of instruction are studied from the point of view of the teacher. Among those considered
are the gifted, the delinquent, the left-handed, the psychopath, and the physically and mentally handicapped.

*Prerequisites:* Psych. 1 and junior or senior standing. Spring and summer quarters. Four credits. Dean Wallace.

**Psych. 136. Social Psychology.** A study of human conduct as influenced by group relationships. An analysis of fundamental concepts such as custom, suggestion, sympathy, emotion, cooperation, and conflict. Consideration of personality, individuality, and leadership in their relation to social progress.

*Prerequisites:* Psych. 1, Psych. 66. Winter and summer quarters. Four credits. Dr. Barber.

**Psych. 137. Mental Health.** A study of the disordered personality in the interests of mental health. The nature, origin, detection, prevention, and treatment of mental maladjustments. The functional diseases. The typical mental health problems of the preschool child, the elementary school child, and the adolescent. The relation of mental illness to other social problems.

*Prerequisites:* Psych. 1. Winter and summer quarters. Five credits. Dean Wallace, Dr. Barber.

**Psych. 138. Applied Psychology.** A study of the applications of scientific psychology in business, in the professions, and in relation to personal efficiency.

*Prerequisite:* Psych. 1. Spring and summer quarters. Three credits. Dr. Barber.

**Psych. 139. Clinical Psychology.** Training and practice in the application of principles of psychology and mental hygiene. Types of individual testing and methods of dealing with exceptional and problem children.

*Prerequisites:* Psych. 1, Psych. 66; teaching experience; consent of instructor. Summer quarter. Three credits. Dr. Barber.
The suggested outlines for majors and minors given below may be changed with the advice and consent of the Major Adviser. Such changes should be approved in writing by the Major Adviser.

**Note:** Under general academic requirement all students must take two Social Science courses. The two courses are to be chosen from the following list: Soc. Sci. 61, General Sociology; Soc. Sci. 62, Outlines of Economics; and Soc. Sci. 67, Introduction to Political Science. Of these courses the one which the student has not taken as an academic requirement must be made a part of the major or minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Soc. Sci. 61, 62, or 67</td>
<td>5</td>
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<tr>
<td>Soc. Sci. 110 American Government</td>
<td>5</td>
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<tr>
<td>Soc. Sci. 108 Economic Development of the United States</td>
<td>5</td>
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<td>Soc. Sci. 121 Social Origins</td>
<td>3</td>
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<td>Soc. Sci. 122 Problems of Society</td>
<td>4</td>
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<td>Soc. Sci. 123 Labor Relations</td>
<td>3</td>
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<tr>
<td>Soc. Sci. 125 Recent Social Trends</td>
<td>3</td>
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<tr>
<td>Soc. Sci. 127 Comparative Government</td>
<td>4</td>
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<tr>
<td>Soc. Sci. 128 Current International Relations</td>
<td>3</td>
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Total: 35 credits

**First Minor**

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<th>Course</th>
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<tr>
<td>Soc. Sci. 61, 62, or 67</td>
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<tr>
<td>Soc. Sci. 110 American Government</td>
<td>5</td>
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<tr>
<td>Choice of</td>
<td>10</td>
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<tr>
<td>Soc. Sci. 108 Economic Development of U. S.</td>
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<tr>
<td>Soc. Sci. 121 Social Origins</td>
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<td>Soc. Sci. 122 Problems of Society</td>
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<td>Soc. Sci. 125 Recent Social Trends</td>
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<tr>
<td>Soc. Sci. 127 Comparative Government</td>
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<tr>
<td>Soc. Sci. 128 Current International Relations</td>
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Total: 20 credits
Second Minor

Choice of 12 credits in courses required for the completion of the above first minor.

**Soc. Sci. 61. General Sociology.** The nature of social relations. The influences that shape society; the perspective of social evolution; social control; social pathology.

All quarters. Five credits. Mr. Tyler.

**Soc. Sci. 62. Outlines of Economics.** The evolutions of economic society, the elementary concepts of society, business organization, money and credit, protection and free trade, rent, transportation, agricultural problems, public revenues, and expenditures.

All quarters. Five credits. Dean Nelson.

**Soc. Sci. 67. Introduction to Political Science.** A survey course to introduce the student to the nature and origin of government; governmental structure and functions; with particular attention given to the federal and state constitutions.

All quarters. Five credits. Mr. Tyler.

**Soc. Sci. 108. Economic Development of the United States.** An introduction to commerce and industry, labor and currency systems, public lands, internal improvements, western migration, and the relation of the economic to the political history of the United States.

Spring quarter. Five credits. Mr. Tyler.


Winter and summer quarters. Five credits. Mr. Tyler.

**Soc. Sci. 121. Social Origins.** Racial and social origins, growth of custom, the beginnings of civilization, a general view of the prehistoric period.

Fall and summer quarters. Three credits. Mr. Kingston.

**Soc. Sci. 122. Social Problems.** Problems arising through social maladjustments or individual differences—crime, the
dependent and delinquent classes, preventive and remedial measures.

Fall quarter. Four credits. Mr. Tyler.

**Soc. Sci. 123. Labor Relations.** A study of labor organizations, problems, and legislation.

Winter and summer quarters. Three credits. Dean Nelson.

**Soc. Sci. 125. Recent Social Trends.** An examination of the social science fields in the light of the changing conditions of modern life.

Spring quarter. Three credits. Mr. Kingston.

**Soc. Sci. 127. Comparative Government.** A comparative study of the government and politics of the principal foreign nations with particular attention to Great Britain, France, Germany, Russia, and Italy.

Winter quarter. Four credits. Mr. Cobb.

**Soc. Sci. 128. Current International Relations.** A survey of the most important political problems resulting from the World War; sources of conflict and suggested solutions. Special emphasis upon the foreign policy of the United States in regard to Europe and the Far East.

Fall quarter. Three credits. Mr. Cobb.

*Handwriting, Typing, Shorthand*

**Soc. Sci. A. Sub-freshman Handwriting.** Students whose writing tests score under 60 on the Ayers scale will be required to take a remedial course without credit. The instructor in handwriting will decide both the amount of practice and the length of time which the student must take the work in order to bring his handwriting to the required standard.

All quarters. No credit. Mrs. Brown.

**Soc. Sci. 115. The Teaching of Handwriting.** An elective course for students who wish to teach and supervise handwriting. Those who desire to obtain penmanship certificates should take this course.

All quarters. Two credits. Mrs. Brown.


All quarters. Two credits. Mrs. Brown.
   All quarters. Three credits.

   Summer quarter. Three credits.

Soc. Sci. 20, 21, 22. **Shorthand.** A service course for teachers and students. Students must begin work in the fall quarter and continue it throughout the year.
   Fall, winter, and spring quarters. Three credits a quarter.

Miss Olson.
SPEECH

DR. TIEJE, Department Head and Major Adviser
MR. ALLEN, MISS DICKINSON, MISS HOLLINGSHEAD, MISS SNYDER

Students desiring to arrange a combined English-Speech major should, before registering, consult with the Head of the Department in order to arrange a satisfactory schedule.

The suggested outlines for majors and minors given below may be changed with the advice and consent of the Major Adviser. Such changes should be approved in writing by the Major Adviser.

### Major in Speech

**Note:** See English 3

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<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>Speech 102</td>
<td>Oral Themes</td>
<td>2</td>
</tr>
<tr>
<td>Speech 103</td>
<td>Corrective Speech</td>
<td>3</td>
</tr>
<tr>
<td>Speech 104</td>
<td>Beginning Interpretative Reading</td>
<td>3</td>
</tr>
<tr>
<td>Speech 105</td>
<td>Creative Dramatics</td>
<td>3</td>
</tr>
<tr>
<td>Speech 106</td>
<td>Play Production</td>
<td>3</td>
</tr>
<tr>
<td>Speech 107</td>
<td>Directing</td>
<td>2</td>
</tr>
<tr>
<td>Speech 108</td>
<td>Scene Design</td>
<td>2</td>
</tr>
<tr>
<td>Speech 110</td>
<td>Acting</td>
<td>2</td>
</tr>
<tr>
<td>Speech 113</td>
<td>Remedial Work in Corrective Reading</td>
<td>1</td>
</tr>
<tr>
<td>Speech 109</td>
<td>Advanced Interpretative Reading</td>
<td>3</td>
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<tr>
<td>Speech 12</td>
<td>Children's Theater</td>
<td>2</td>
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<tr>
<td>Speech 114</td>
<td>Advanced Production Problems</td>
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<td>Shakespeare</td>
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<tr>
<td>Eng. 158</td>
<td>Modern Drama</td>
<td>3</td>
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<td>or</td>
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<tr>
<td>Eng. 159</td>
<td>Contemporary Drama</td>
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Total: 36 credits

### First Minor in Speech

Choice of 21 credits in courses required for the completion of the above major.

### Second Minor in Speech

Choice of 12 credits in courses required for the completion of the above first minor.
Note: All students are required to take a voice test during their first quarter of residence, and to enrol in Speech 2 if so advised by the instructor.

None of the courses in Speech is given by correspondence.

Speech 1. Fundamentals of Speech. The general foundation of all work in speech.
All quarters. Four credits. Miss Hollingshead, Miss Snyder.

Speech 2. Voice Production. Practice in correct breathing; development of resonance, melody and purity; remedial exercises for voice defects. This course or a statement from the instructor is a prerequisite for student teaching in the Training School.

Prerequisite: The consent of the instructor. Fall quarter. One credit. Miss Hollingshead.

Speech 101. Story Telling. The art of story telling and a survey of the bibliography of the subject.

Prerequisite: Speech 1. Fall quarter. Three credits. Miss Dickinson.


Prerequisite: Speech 1. Winter quarter. Two credits. Miss Dickinson.

Speech 103. Corrective Speech. Analysis of the voice and speech defects; study of the speech mechanism; analysis and application of the international alphabet; testing and treatment of speech cases. Recommended to those preparing to teach in the primary grades.

Prerequisite: Speech 1 and consent of the instructor. Fall and winter quarters. Three credits. Miss Hollingshead.

Speech 104. Beginning Interpretative Reading. Development of the voice and personality; study of dialects and character portrayal; analysis and interpretation of the types of literature; cutting and adapting for public school presentation.

Prerequisite: Speech 1. Winter quarter. Three credits. Miss Hollingshead, Miss Snyder.
Speech 105. Creative Dramatics. Survey of the literature suitable for dramatization in the grades; technique of conducting formal dramatization; demonstration classes in junior high school. Recommended to those preparing to teach in the junior high grades.

Prerequisite: Speech 106 or the consent of the instructor. Fall and spring quarters. Three credits. Miss Hollingshead.

Speech 106. Play Production. Technical divisions of the stage; fundamentals of the stage design; color and lighting; standard equipment; make-up. Only one quarter may be counted toward graduation. Laboratory fee: fifty cents a quarter.

Prerequisite: Speech 1. All quarters. Three credits. Miss Snyder.

Speech 107. Directing. Technique of directing a play; problems of the director; suggested list of plays. Each student is required to cast and direct a one-act play for class production.

Prerequisite: Speech 106. Fall quarter. Two credits.

Speech 108. Scene Design. The designing, making, painting, and dressing of sets and drops, demonstrated on model stages.

Prerequisite: Speech 106. Winter quarter. Two credits. Miss Snyder.


Prerequisite: Speech 104. Winter quarter. Three credits. Miss Hollingshead, Miss Snyder.

Speech 110. Acting. The art of character interpretation on the stage.

Prerequisite: Speech 106. Spring quarter. Two credits. Miss Snyder.

Speech 111. Practice in Story Telling.

Prerequisite: Speech 101. All quarters. Credits to be arranged. Miss Dickinson.
Speech 112. Children's Theatre. Production; direction; types of plays.

Prerequisite: Speech 105 and 106. Spring quarter. Two credits. Miss Hollingshead.

Speech 113. Remedial Work in Corrective Speech. Special work with children in the speech clinic in the Laboratory School.

Prerequisite: Speech 103. All quarters. Credits to be arranged. Miss Hollingshead.

Speech 114. Advanced Production Problems. Detailed instruction in the planning and construction of usable stage setting. Each student constructs a practical model to scale. Costuming; character make-up. Laboratory fee: fifty cents a quarter.

Prerequisite: Speech 106 and 108. Fall and spring quarters. Three credits. Miss Snyder.

Speech 151. Public Address. The forms of public discourse. Those entering the Martin Oratorical contest must enrol in this course.

Prerequisite: Speech 1. Winter quarter. Two credits. Miss Hollingshead.

Speech 152. Argumentation. The principles of logic, the brief, and organization of argument. Oral practice in class. One written argument required.

Prerequisite: The consent of the instructor. Not offered 1936-7. Four credits. Mr. Allen.


Prerequisite: Speech 152. Not offered 1936-7. Two credits. Mr. Allen.
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