The University reserves the right to make changes in the announced program and regulations as deemed by the faculty and administration to be desirable, and to put them into effect, after notice, at suitable times within the period covered by this catalog.
SUMMER SESSION, 1961

Registration .................................. Friday, June 16th
Classes begin ................................... Monday, June 19th
Independence Day Holiday ...................... Tuesday, July 4th
Graduate Record Examinations ................. July 11, 12
End of first half of summer session .......... Wednesday, July 19th
Classes begin for second half ................. Thursday, July 20th
Close of summer session and Graduation Convocation Friday, August 18th

FIRST SEMESTER, 1961-62

Registration for day classes and Freshman Induction
Monday, Tuesday, Wednesday, September 18, 19, 20
Registration for Community Service Classes,
8 a.m. to 9 p.m. ................................ September 21, 25, 26, 27
Classes begin—Day and Community Service Thursday, September 21st
Latest date for removal of INC or K grades Friday, November 3rd
Latest date for discontinuing a course without F unless
work is satisfactory to date of withdrawal Friday, November 10
Mid-semester grade reports ................. Friday, November 17
Thanksgiving Holiday, begins at noon Wednesday, November 22nd
Ends at 8:00 a.m. ................................ Monday, November 27
Christmas Recess, begins Saturday, December 23
Ends at 8:00 a.m. ................................ Wednesday, January 3rd
Graduate Record Examinations January 9, 10
Closed period (from 6 p.m. to 6 p.m.) January 12-24
Examinations .................................. January 18-24 inclusive
Last day of the first semester ............. Wednesday, January 24

SECOND SEMESTER, 1961-62

Registration for classes, day Monday, Tuesday, January 29, 30
Registration for Community Service Classes,
8:00 a.m. to 9:00 p.m. ................. January 31; February 1, 5, 6
Classes begin—day and Community Service Wednesday, January 31
Graduate Record Examinations March 13, 14
Latest date for removal of INC or K grades Friday, March 16th
Latest date for discontinuing a course without F, unless
work is satisfactory to date of withdrawal Friday, March 23
Mid-semester grade reports ............... Friday, March 30
Spring Recess, begins Saturday, April 14
Ends at 8:00 a.m. ....................... Monday, April 23
Senior Recognition Day ....................... Tuesday, May 8
Closed period (from 6 p.m. to 6 p.m.) May 18-June 1
Examinations ................................. May 28-June 1 inclusive
Baccalaureate and Graduation Convocation Sunday, June 3

SUMMER SESSION, 1962
Registration ................................. Friday, June 15
Classes begin .................................. Monday, June 18
Independence Day Holiday ................. Wednesday, July 4
Graduate Record Examinations ............ July 10, 11
End of first half of summer term ........... Wednesday, July 18
Classes begin for second half ............. Thursday, July 19
Close of summer Session and Graduation Convocation Friday, August 17

FIRST SEMESTER, 1962-63
Registration for day classes and Freshman Induction .. Monday, Tuesday, Wednesday, September 17, 18, 19
Registration for Community Service Classes, 8:00 a.m. to 9 p.m. September 20, 24, 25, 26
Classes begin—day and Community Service Thursday, September 20
Latest date for removal of INC or K grades Friday, November 2
Latest date for discontinuing a course without F, unless work is satisfactory to date of withdrawal Friday, November 9
Mid-semester grade reports ..................... Friday, November 16
Thanksgiving Holiday, begins at noon .... Wednesday, November 28
   Ends at 8:00 a.m. ......................... Monday, December 3
Christmas Recess, begins .................... Saturday, December 22
   Ends 8:00 a.m. ......................... Thursday, January 3rd
Graduate Record Examinations ................... January 8, 9
Closed Period (from 6 p.m. to 6 p.m.) January, 11-23
Examinations ................................ January 17-23 inclusive
Last day of the first semester ................ Wednesday, January 23

SECOND SEMESTER, 1962-63
Registration for day classes .................. Monday, Tuesday, January 28, 29
Registration for Community Service Classes from 8 a.m. to 9 p.m. January 30, 31, February 4, 5
Classes begin—day and Community Service Wednesday, January 30
Graduate Record Examinations ................ March 12, 13
Latest date for removal of INC or K grades ................ Friday, March 15

Latest date for discontinuing a course without F, unless work is satisfactory to date of withdrawal Friday, March 22
Mid-semester grade reports ..................... Friday, March 29
Spring Recess, begins ......................... Saturday, April 6
   Ends at 8:00 a.m. ......................... Monday, April 15
Senior Recognition Day ........................ Tuesday, May 7
Closed period (from 6 p.m. to 6 p.m.) May 17-31
Examinations ................................ May 27-31 inclusive
Baccalaureate and Graduation Convocation Sunday, June 2

SUMMER SESSION, 1963
Registration ................................. Friday, June 14
Classes begin .................................. Monday, June 17
Independence Day Holiday .................... Thursday, July 4
Graduate Record Examinations ................ July 9, 10
End of first half of summer session ........... Wednesday, July 17
Classes begin for second half ............. Thursday, July 18
Close of summer Session and Graduation Convocation Friday, Aug. 16
The aim of the University of Puget Sound is to be a great institution where scholarly activities will flourish, where minds will be awakened and stimulated, where people will grow in knowledge and in ability to think, create, and communicate and where they will be inspired to use their talents in a constructive manner.

GENERAL CHARACTER

The University of Puget Sound offers courses of study leading to bachelors' and masters' degrees in the arts and sciences. It also offers professional training and degrees in teaching, music, occupational therapy, business, nursing, and medical technology, and preparatory courses for students of medicine, law, engineering, dentistry, and theology.

The University is coeducational. Its aim is to produce men and women who, in addition to being competent in their respective areas of study, will become well integrated persons and leaders in their communities.

The University provides a carefully balanced education within a Christian framework. The Christian religion is presented without denominational bias; and to its presence throughout the whole program the University attributes its character.

The University of Puget Sound was founded in Tacoma, Washington, on March 17, 1888, on initiative of the Puget Sound Annual Conference of the Methodist Episcopal Church and by authorization of the Territorial Legislature. In 1914 it was reorganized as a college of liberal arts under the name of College of Puget Sound. Subsequent growth and diversity of educational offerings brought about the need for a University structure and the college again became the University of Puget Sound on January 1, 1960.

In 1916, an endowment of a quarter-million dollars was completed through the James J. Hill Grant. By 1932 an additional million dollars had been added to the general endowment fund. The University at present, operating as an independent, non-tax-supported institution, has an endowment of approximately three million dollars and total assets worth more than ten and one-half million dollars.

CAMPUS AND PLANT

Originating in one frame building, the University of Puget Sound now occupies fifteen brick-faced concrete structures conveniently spaced over a campus of sixty acres. All of the University's resources and facilities have been well designed and directed for the benefit of the students.

The C. H. Jones Hall houses the administrative offices and classrooms. In addition, it contains the main auditorium, and the Gail Pauline Day Memorial Chapel.

The Leonard Howarth Hall is the science building. Physics, biology, chemistry and geology laboratories are here, as well as a completely equipped home economics department.
The Music Building contains studios, classrooms, practice rooms, listening rooms, a recording studio, student and faculty lounges, and a recital hall.

The John M. Kittredge Hall houses the Art Department, three galleries, while also providing general purpose classrooms.

The Gymnasium contains facilities for women’s athletics and sports.

The South Hall is a temporary structure which houses Occupational Therapy and provides extra classrooms and offices.

The Everell S. Collins Memorial Library contains over eighty-two thousand volumes. Besides being a depository for federal documents the library subscribes to a selected list of three-hundred-and-fifty periodicals. The reading rooms have a seating capacity of six-hundred. There is also a fully-equipped film-projection room, student lounge, typing rooms, special study rooms, and a rare book collection.

The Memorial Field House measures two-hundred by one-hundred-eighty feet, with space for four basketball courts. Its total seating capacity is over six-thousand. Besides providing for men’s physical education, it houses the Air Force ROTC Unit.

The Agnes Healy Anderson Hall is the women’s residence. Attractively designed, the hall contains student rooms, lounges, study rooms and recreational facilities.

The Myrtella Langdon Hall is a women’s residence unit attached to Anderson Hall. Anderson-Langdon houses approximately 218 women.

The Margaret Harrington Hall is a women’s residence with facilities for eighty-seven women. There are two lounges, plus study, typing and recreational rooms.

The Edward H. Todd Hall is a men’s residence which contains facilities for ninety-five. Besides the student rooms, there are lounges and recreational facilities.

The New Hall is a men’s residence located just south of Todd Hall. Besides student rooms for seventy-eight men, there are lounges and recreational facilities.

The Flora B. Tenzler Hall, a residence for 70 women students, is one of the most advanced and unusual on any college campus. The style of the four-floor structure is a block of three suites built around a private bath.

The Hugh Wallace Memorial Swimming Pool, an indoor Olympic sized, eighty-two-foot, six-lane swimming pool, a contribution by the Hugh Wallace Foundation, was completed in 1957.

The New Student Center is a million-dollar structure approximately a block long and a half block wide. The "great hall" dining room seats five-hundred. In this room a mammoth fireplace is emphasized by a vaulted ceiling, hand-hewn timbers and clusters of circular feudal type lighting fixtures. A second dining room seats another five-hundred, and there are student body offices, lounges, a recreational area and many other facilities. This is also the home of the Peggy Strong murals.

The Dr. W. B. Burns baseball diamond, and the athletic field and stadium, occupy positions between the Women’s Gymnasium and the Memorial Field House.

The President’s Home, a large beautiful residence on a spacious lawn, is located on the northwest corner of the carefully planned and landscaped campus.

UNIVERSITY CENTERS

These centers are located at Fort Lewis, McChord AFB, and Madigan General Hospital — offering resident credit courses and Bachelor’s Degree Programs for Military Personnel, Military Dependents, Defense Dept. Employees, and “Bootstrap” Participants.

ACADEMIC STANDING

The University of Puget Sound is accredited by the Northwest Association of Secondary and Higher Schools. This accreditation is recognized by all other regional accrediting associations of the United States.

For particular work in the professional fields, the University is accredited by the American Medical Association, the National Council for Colleges of Teacher Education, the University Senate of the Methodist Church, the National Association of Schools of Music, the American Association of University Women, the American Chemical Society, and the Washington State Board of Education. In addition, the University is a member of the American Association for Teacher Education.
Admission

ADMISSION TO THE FRESHMAN CLASS

Graduates of accredited high schools may apply for admission to the freshman class. They must take the aptitude test administered nation-wide by the College Entrance Examination Board. Applicants will then be selected on the basis of qualities which give promise of success in higher education.

Factors considered are:
1. Evidence of graduation from an accredited high school.
2. High school subjects and grades.
3. Recommendation of high school principal.
4. Reference from high school counselors.
5. Scores on the College Board's Scholastic Aptitude Test.
6. Scores on USAFI General Educational Development Tests (only for active or honorably-discharged members of the armed services).
7. Evidence of satisfactory physical condition.

Formal application should be made to the University on the "Uniform Personal and Scholastic Record and Application for Admission to Higher Institutions in the State of Washington." This form is available in the principals' offices of all high schools in the State of Washington or may be obtained by request from the Director of Admissions at the University. When properly completed, the form presents necessary information on Factors 1 through 4 above. Applications, accompanied by a $10.00 application fee for admission, should be received in the Admissions Office not later than two weeks prior to the registration date set for the semester.

Candidates must make arrangements directly with the College Entrance Examination Board for the required test, and should take these actions:
1. Write early to the College Entrance Examination Board* for a copy of the Bulletin of Information. The Bulletin contains full instructions, a list of places where the examination will be given, and an application blank.
2. Complete the application (for the Scholastic Aptitude Test only) and send it to the appropriate office of the Board with a remittance of $4.00 made payable to the Board.

All candidates will be notified by letter of the action taken on their applications. Accepted candidates will receive formal certificates of admission. The University necessarily reserves the right to reject any application.

HONORS AT ENTRANCE

Honors at Entrance are awarded publicly to a limited number of entering freshman in recognition of outstanding ability evaluated in terms of probable success at the University. These honors are awarded in accordance with the criteria and procedures outlined in the description of Honors at Entrance contained on page 2 of this catalog.

Honors at Entrance to Puget Sound affords the following opportunities:
1. Placement in advanced courses of study where appropriate.
2. Exemption of the required year of Freshman Composition, with the opportunity to take a special advanced course in sophomore prose composition.
3. College credit toward a Bachelor's degree for each course exempted through the results of the Advanced Placement Examinations of the College Entrance Board for those Honors at Entrance students who have taken approved high school advanced placement courses.

ADVANCED STANDING FOR SUPERIOR ACHIEVEMENT STUDENTS

Upon demonstration of special achievement through examinations in the College Board Advanced Placement Program and upon recommendation of high school teachers, students may be given the opportunity for advanced standing. Such students would be permitted to omit first year college courses in certain subject areas. Credit may be given for such courses based upon CEEB Advanced Placement Examinations.

*For students in the western states or Pacific Area the address is Box 27896, Los Angeles 27, California; in the eastern states, Box 592, Princeton, New Jersey.
ADMISSION TO ADVANCED STANDING

Students who have attended other accredited colleges or universities, and former students of the University of Puget Sound, may apply for admission to advanced standing.

Admission will be granted on the conditions set forth below:

1. The applicant must have on file with the Director of Admission of the University two copies of an official transcript of his record from each college or university previously attended plus a $10 application fee. Such transcripts must be sent by these institutions directly to the University, not by way of the student. Transcripts must be on file at least two weeks prior to the first day of registration of any session to assure consideration.

2. The applicant must present a certificate of honorable dismissal from the last-attended institution. No exception will be made to this condition. (Certification of the status of dismissal is ordinarily included on an official transcript.)

3. The applicant's scholastic record must give clear indication of probable success in a college course of study.

Assignment of advanced standing will be made following evaluation of the student's transcript. Evaluation and assignment are subject to the following considerations:

1. Advanced standing assigned to any student will be tentative until one subsequent semester of normal enrollment has been completed satisfactorily. At that point the advanced standing may be accepted towards graduation as part of the student's permanent record.

2. Credit from accredited junior colleges will be accepted but not to exceed sixty semester hours plus four physical education credits.

3. Credit for extension or correspondence courses will be accepted but not to exceed fifteen semester hours. Such credit will be considered only from accredited institutions having organized departments for extension and correspondence study, and on condition that courses taken after a student is admitted to the University have been approved by the Registrar at the time of enrollment.

4. A student eligible for junior or senior standing must indicate his choice of major subject when submitting his transcript.

ADMISSION TO GRADUATE STUDY

Students who hold degrees from accredited colleges and universities may be admitted for further study. Each applicant must file with the Director of Admissions two copies of the official transcript of his record at the institution which granted his degree and at any attended subsequent to his graduation.

Not all persons engaged in study as graduates are candidates for the Master's degree. Application to work for a Master's degree must be made to the Admissions Office, and be approved by the head of the department or school concerned and the Dean of the Graduate School. Students who are enrolled in graduate study in accordance with these conditions are admitted to the Graduate School and to candidacy for the Master's degree.

ADMISSION OF SPECIAL STUDENTS

Mature students who are not graduates of high schools, or students from unaccredited institutions, are occasionally admitted as special students. Applicants should consult the Dean of Students for procedure. Special students may enroll for courses for which they are prepared, but are not considered candidates for any degree.

On application to the Dean of Students a special student may be granted regular class standing after satisfactorily completing one full year of residence study.

ADMISSION OF AUDITORS

Persons who desire to attend courses as auditors, or non-credit students, may be admitted only on the authorization of the Dean of the Undergraduate School. The fee for auditors is half the regular tuition charge except that this reduction is not given in the evening or summer classes or in classes where participation is involved. Auditors will not ordinarily receive individual instruction or attention from the instructor in charge.
Registration

FRESHMAN INDUCTION
All first-year students are required to participate in Freshman Induction scheduled before the date for the beginning of classes. Announcement of the first freshman meeting will be sent each student. The purpose of Freshman Induction is to acquaint the new student with the University’s facilities, objectives and opportunities.

REGISTRATION DAYS
Dates for registration for each session are listed in the University calendar in the front of this catalog.

LATE REGISTRATION
Students unable to register at the scheduled time are requested to advise the Registrar. Late registration will be cared for only at the convenience of the faculty and registration officials. An extra fee is charged for all late registrations.

NORMAL ENROLLMENT
The normal enrollment for a student will be fifteen credit hours, and a physical education activity. A student may not register for more than sixteen academic credit hours in a semester, or seventeen credit hours inclusive of a physical education activity credit or a basic ROTC credit, except by recommendation of his faculty adviser, and approval by the Registrar or Dean of Students. Registrations for more than eighteen hours must have approval by the Dean of Students. For amounts not exceeding eighteen hours, approval to students whose grade point averages are 3.0 or better may be given by the Registrar.

REDUCED ENROLLMENT
Students engaged in outside work during any semester should consider their health and the quality of their academic work. Those employed for more than two hours per day would do well to reduce their enrollment. The office of the Dean of Students is available for advice in this matter.

PRECEDENCE OF COURSES
Students must give precedence to required courses in arranging their schedules. Work required by reason of delinquency in previous courses must also be given precedence.

CHANGE OF REGISTRATION
The student’s choice of studies, once made and filed with the Registrar, is expected to be permanent. If a change becomes necessary at any time, the student must report to the Registrar’s Office for appropriate forms and instructions.

After the second week of class meetings, courses may be cancelled but none added. After the date listed in the college calendar a student who withdraws from a course in which his standing is below C will have a record of F. Courses discontinued without official withdrawal will be graded F on the student’s record.

WITHDRAWAL
A student may terminate his registration by completing a withdrawal card available in the Registrar’s Office. Conditions regarding withdrawal are the same as those concerning change of registration.

CHANGE OF ADDRESS
Students must keep the Registrar’s Office advised of any change of their local or home addresses.

ADVISORY SYSTEM
When admitted to the University, each student is assigned to a member of the faculty who acts as his academic adviser until a major subject of study is chosen. The student’s registration for each semester must be approved by this adviser.

After the student has chosen a major subject, the head of instruction in that subject is his academic adviser. Each subsequent registration must be approved by the major adviser. This service will not release the student from personal responsibility for satisfaction of general requirements for graduation as stated in the catalog.

ATTENDANCE
Students are expected to give punctual and regular attendance at all classes and laboratory periods in courses for which they are registered. Absences are counted from the first day of the college term, not from the student’s personal registration.

All work missed by reason of absence, regardless of cause, must be made up. A student’s membership in a class may be discontinued for frequent tardiness or absence. An instructor may report a student to the Registrar’s Office for cancellation of registration in a particular course when the number of absences from it exceeds twice the number of class meetings per week. In
such a case, unless the student secures reinstatement on grounds satisfactory to the Dean of Students and to the instructor in the subject, a grade of F will be given for the course.

Degrees Offered

The degrees of Bachelor of Arts and Bachelor of Science are given for completion of under-graduate programs in arts and science. Bachelor of Arts in Business Administration, Bachelor of Arts in Elementary Education, Bachelor of Arts in Physical Education, Bachelor of Science in Geology, Bachelor of Science in Occupational Therapy, Bachelor of Fine Arts, and Bachelor of Arts or Science in Home Economics are offered in more specialized or applied curricula. The degree of Bachelor of Music will be given to students who major in fields of music other than literature.

The Bachelor of Education degree is granted to students who hold an A.B. or B.S. degree from an accredited college or university, and who meet residence and specific course requirements at the University of Puget Sound.

The University also offers work leading to the degrees of Master of Arts, Master of Science, Master of Arts in Education, Master of Science Teaching, Master of Education, Master of Business Administration, and Master of Music.

The requirements for each of the degrees are prescribed below. Applications for candidacy for a degree must be made not later than the first semester of the year in which such degree is sought.

Graduation Requirements

Regulations Concerning Credits and Grades

CREDIT HOURS

For each course of study successfully completed a student receives a number of credit hours which is equal to the number of standard-length class meetings per week. For example, a class which meets three times a week through a semester gives three credit hours. Lecture or recitation meetings are fifty minutes in length, and it is expected that there will be, on an average, two hours of preparation for each class meeting. Credit for laboratory periods is counted on the basis of one credit hour for two or three hours of laboratory work.

CLASSIFICATION OF STUDENTS

Freshman Standing—A student who has satisfied all entrance requirements has freshman standing.

Sophomore Standing—A student who has satisfied all entrance requirements and has a total of 24 credit hours and 48 grade points has sophomore standing.

Junior Standing—A student who has at least 55 credit hours and 110 grade points has junior standing.

Senior Standing—A student who has at least 84 credit hours and 168 grade points has senior standing.

GRADE REPORTS

Reports of the standing of all students in each of their courses are made to the Registrar at the middle of each semester, and unsatisfactory conditions are immediately considered by the students’ advisers and the Deans. The student is notified of unsatisfactory conditions, and, when warranted, the parents of the student are also informed.

SYSTEM OF GRADING

<table>
<thead>
<tr>
<th>Grades</th>
<th>Significance</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Unusual Excellence</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Superior</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>Passing</td>
<td>1</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Conditional</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0</td>
</tr>
</tbody>
</table>
A student is reported incomplete in a course only on condition that his work has been generally good and the instructor considers that additional time is warranted for a specific piece of work which was missed or unfinished. To secure credit, work must be completed not later than six weeks after the beginning of the next semester.

A grade of K means work that is unsatisfactory but in which credit might be secured by a later examination. Failure to take examination not later than six weeks after the beginning of the semester following in which the grade of K was secured, or to make a grade of C in the examination, will convert a K into F. In no case can a K be converted into a grade higher than a D.

SPECIAL EXAMINATIONS

A student who is absent from an examination or test may take a special examination or test only if his absence is excusable. A student must obtain a permit from the Dean of Students before he takes a special test or examination.

GRADE REQUIREMENTS

Earnest application to the academic program is expected from every student. The minimum qualification for graduation is 125 semester-hours of credit, of which not more than 5 are for physical education activities, with cumulative grade-point average of not less than 2.00 for all work attempted.

A limited number of freshmen unable to establish clear evidence of probable success in college are given Provisional Admission. These students are not eligible to hold office in student organizations, to participate in extra-curricular activities, nor to be pledged or initiated into a social fraternity or sorority.

If a Provisional Admission student earns a grade point average less than 1.75 he will be placed on scholastic probation for the next session of college attendance. Should he earn a grade point average less than 1.75 in a probationary session, he will not be permitted to re-register except by special action of the Admissions Committee.

A student whose general scholastic record is unsatisfactory will be placed on probation or refused permission to re-register. To be in good academic standing, the following minimum cumulative grade-point average must be maintained: Freshmen, 1.75; Sophomores, 1.85; Juniors, 1.95; Seniors, 2.00.*

If a student's cumulative grade-point average falls below that for his respective class in any term, he will be placed on academic probation for the following term. If, in the following term, he does not reach the requisite grade-point average, he will not be permitted to re-register.

A student on probation is not eligible to hold office in student organizations, to participate in extra-curricular activities, nor to be pledged or initiated into a social fraternity or sorority. (See Eligibility Rules on page ??).

CONVOCATION

There are regular convocations which serve educational and cultural purposes, and promotion of interests of the University community. Attendance at these is a part of each undergraduates program, and in order to be in good standing a student must have a record of satisfactory convocation attendance at the end of any semester in which he is in attendance at the University.

GRADUATE RECORD EXAMINATIONS

The University administers the Graduate Record Examinations to its senior class. These examinations give a rating on national standards in general education and in the major subject. The examinations must be taken by all students in the final semester of their senior year.

HONORS THROUGH INDEPENDENT STUDY

The University offers students of superior ability an opportunity to pursue a program of independent study for honors. Capable students are urged to request such a program or to enter upon one at the suggestion of their major advisors. Applications for this purpose may be obtained from the Chairmen of the various departments. A student taking advantage of this opportunity should, in consultation with his major advisor, prepare a prospectus of his project and submit it for the approval of the faculty committee on independent study. This approval is prerequisite to the granting of academic credit for work done in such a program.

*A senior, while on probation, will not be approved for graduation.
A student in the program will be expected to submit a thesis and to pass written and oral examinations to demonstrate his achievement in the field of his independent study. The thesis must be submitted to the committee on independent study for approval one week before the oral examination takes place, and at least three weeks before the granting of the student's degree. The student's major department and the Committee will cooperate in selecting the examining board, which will in every case include some members from outside the student's department. The Committee will recommend the granting of honors for independent study on the basis of the student's total performance in meeting these requirements.

In the event a student discontinues his course of independent study before completing his project, the Committee in consultation with the Student's department will grant academic credit according to an evaluation of the student's work done.

Credit for the independent study project will be determined by the Department in consultation with the Committee but in general will not exceed 12 hours. It is to be registered in the major field under the numbers 495, 496.

The University urges all capable students to take advantage of this program. It will be particularly valuable for those who intend to continue their studies in graduate school.

**GRADUATION HONORS**

A degree with honors will be given to students who have given special evidence of intellectual ability and scholarliness. This distinction will be granted through recommendation by the Committee on Awards and Honors, based on the student's grade record and other evidences of knowledge and scholarly qualities, and approval by the faculty.

Students who are accepted for independent study are candidates for special mention in their major subjects on their diplomas and for degrees with honors.

Students who are candidates for honors may be exempted from examinations in courses in the final semester of the senior year.

**REQUIREMENTS FOR UNDERGRADUATES**

**A. GENERAL REQUIREMENTS**

1. Undergraduates working for degrees in any school or department of the University must take courses in each of the fields listed below, as specified in the accompanying statement.
   
a. English Composition, six credit hours.

b. Natural Science, a one-year laboratory course in a biological science and a one-year laboratory course in a physical science, except that, if a student has completed a unit of either type of science in high school, he may satisfy the requirement by a one-year course in the other type; and, if he has completed a unit in each, he may satisfy the requirement by one year of any laboratory science or of Mathematics 111 and 112.

c. Social Studies, not less than nine semester hours, may be met from the following courses: Economics 101, 102, 305, 341, 409, 410, and 412; History—all courses; Political Science 101, 102, 201, 202, 321, 322, 413 and 414; Psychology 201, 342, and 381; Sociology 111, 112, 201, 202, 301, and 302. A student majoring in Economics, History, Political Science, Psychology, or Sociology must fulfill the nine hours of general college requirements from the social science areas outside his major.

d. Humanities, not less than nine semester hours which shall be from specified courses and shall include three semester hours in religion. Humanities requirement may be met by Art 107, 324, 325, 326, English literature, courses in literature or in national culture in the foreign languages, Music 103, 104, 303, 304, philosophy, Religion 101, 201, 202, 361, 461, 482, and Math 151.

e. Physical Education, five semester hours in activity courses are required of all students. Male students desiring to take four semesters of Air Science will be required to take three semester hours of P.E. simultaneously.
2. Not later than the end of the sophomore year each student shall declare a field of specialization, or major subject, and shall secure approval of the choice from the head of the department in which the major falls. The major shall contain not less than twenty-four semester hours, with not less than twelve hours above sophomore level. Work of a D grade may not count in a major or in courses necessary to it. A comprehensive study examination in the major subject shall be taken near the end of the senior year.

3. Each student shall also choose a second field of specialization, or minor subject, in which not less than fifteen semester hours shall be taken. The minor should broaden the student's study rather than intensify his specialization, and may not be in the same field as the major subject. The choice of the minor subject must be approved by the head of the department in which the major falls. Work of a D grade may not count as part of the minor.

4. A total of not less than one hundred and twenty-five semester hours, of which not less than forty are above the sophomore level.

B. SPECIAL REQUIREMENTS FOR:

1. The degrees of Bachelor of Arts and Bachelor of Science:
   a. Candidates for the Bachelor of Arts or Bachelor of Science degree must choose a major in a department in Arts and Sciences. For the A.B.: art, economics, English composition, English literature, French, German, history, mathematics, music, philosophy, political science, psychology, religion, social sciences, sociology, Spanish, speech and dramatics, or one of the sciences. For the B.S.: biology, chemistry, geology, mathematics, or physics.
   b. Candidates for these degrees must complete two college years, or the equivalent, in one foreign language. Students with one year of a foreign language in high school may enter the second semester of the elementary course, with two years, the first semester of the intermediate course.
   c. Candidates for the B.S. degree must complete the following courses: Chemistry 101, 102, Mathematics 111, 112, and Physics 201, 202 (except for majors in biology who have had a year's course in physics in high school or an equivalent). The foreign language chosen for the B.S. degree must be French, German, or Russian, with the provision that students majoring in Chemistry should elect German. Students who major in Geology may substitute Spanish.

2. Special degrees:
   Students who select majors in business administration, education, home economics, occupational therapy, or physical education will be candidates for special degrees. These include B.A. in Business Administration, B.A. in Elementary Education, B.A. in Home Economics, B.S. in Home Economics, B.S. in Occupational Therapy, and B.A. in Physical Education. In geology a program without foreign language and with modification of the requirement for the B.S. may be followed for a degree of Bachelor of Science in Geology.

   Candidates for degrees of Bachelor of Science in Medical Technology, Bachelor of Science in Biology (for nurses), Bachelor of Music, or Bachelor of Fine Arts should consult the parts of the catalog which deal with the particular field or curriculum involved.

C. MINIMUM RESIDENCE AND CREDITS

To be recommended for graduation from any curriculum, a student must have been in attendance at the University of Puget Sound at least two semesters, or equivalent and present a minimum of thirty semester hours, six of which must be in the major.

In the case of students who spend only one year in residence, this must be the senior year; in all other cases, except as hereinafter provided, without regard to the amount of previous residence, the last fifteen semester hours must be completed in residence.

After completing ninety semester hours, which include the specific requirements and five physical education credits, at the University of Puget Sound, a student may transfer to a professional school and upon completing work in the professional school equivalent to the additional thirty hours required apply for a degree from this University.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF EDUCATION

The degree of Bachelor of Education will be granted under certain conditions to students who have a previous bachelor's degree and who have completed the additional requirements specified by the State Board of Education for certificate to teach in the public schools. The requirements are listed in further detail in the Education section.

REQUIREMENTS FOR THE MASTER'S DEGREE

Study to the Master's level is offered by the University of Puget Sound. Candidates are admitted in the fields of biology, business administration,
chemistry, economics, education, English, history, and music, and under some
conditions in Romance Languages, philosophy and psychology. Courses in
some other departments may be combined, as a minor, with concentration
in one of the subjects named.

DEGREES OFFERED

The degrees offered by the Graduate School are Master of Arts, Master of
Science, Master of Arts in Education, Master in Science Teaching, Master of
Business Administration, Master of Education and Master of Music.

ADMISSION

Candidacy for the Master's degree is administered in the Graduate School.
Persons who have academic degrees may be accepted by the Admissions
Office for enrollment in courses to serve a variety of interests. Such enroll-
ments do not constitute membership in the Graduate School; and credits
earned under such general conditions of admission are not applied toward an
advanced degree.

A student who wishes to become a candidate for an advanced degree at the
University of Puget Sound must fill out an application to that effect. An
official record of all previous academic work must be on file at the University
of Puget Sound, or be provided at the time of this application. Scores on
the Aptitude Test and Advanced Test of the Graduate Record Examination
are helpful, and may be demanded. For candidates for the Master's degree in
business the Educational Testing Service's "Admission Test for Graduate
Study in Business" may be substituted for a Graduate Record Advanced Test.

Applications, records and scores are submitted to, and assembled by,
the Admissions Office. The applications are then reviewed by the heads of the
schools or departments in which studies are to be pursued, and by the Dean
of the Graduate School. A grade average not lower than B in undergraduate
work in a recognized institution, or scores not below the 60th percentile in
the Graduate Record Examinations, or both, constitute the general standard
for acceptance. Noteworthy professional performance will be considered, with
grades, for persons who have been graduated for a period of years. A student
is admitted to candidacy for the degree when there is approval of his appli-
cation and of his proposed program.

Credit toward a Master's degree is not automatically allowed for graduate
courses taken prior to admission to candidacy for the degree. It may be
granted at the discretion of the head of the school or department in which
the student is pursuing his work and of the Dean of the Graduate School.

Normally it is presumed that all credits for the Master's degree will be com-
pleted in this university, but graduate credit earned at another university may
be allowed, with approval by the officers named, in amount not over ten
semester hours. Correspondence or extension credits are not normally ac-
ccepted; only if the courses have specifically been allowed graduate credit in
a recognized institution from which work is being transferred will they be
considered. Courses more than six years old will not be included in the
Master's program.

COURSES AND CURRICULUM

Study for the Master's degree may be pursued in any of the departments
or schools which have been indicated above. Supporting courses from related
fields which are approved by the major instructor and the head of the depart-
ment or school may be included in a candidate's program, but the total number
of combined undergraduate and graduate semester-hours in the principal sub-
ject may not be less than forty-four.

Courses which are listed in any department or school with a number 500
or above are primarily graduate courses. Graduate credit may be granted for
courses numbered from 300 to 499, but only on condition that the student
has secured, at the time of registration, approval by the faculty member
directing the student's graduate program, the instructor of the course, and
the Dean of the Graduate School, of his enrollment in the class for graduate
credit.

FELLOWSHIPS AND TEACHING ASSISTANTSHIPS

Some fellowships and assistantships will be available, for two-year appoint-
ments. Assistance in the instructional program, or in laboratories, usually
equal to one-half working time, will be expected of appointees.

REQUIREMENTS FOR THE MASTER'S DEGREE

The Master's degree is granted only after a full year or more of residence
work following receipt of a Bachelor's degree, and upon completion of a
program which is approved for the individual and which is in accordance
with the requirements for the particular degree. The year's work is interpreted
as not less than thirty semester-hours. Correspondence or extension courses
are not accepted; but work may be done in approved evening classes on
campus, in established University centers other than the main campus, or in
summer sessions. There must be continued relation with the institution dur-
ing candidacy for a degree; if the relation is not maintained, candidacy can
be re-established only by a new application. The program must be completed within a period of not more than six years.

Students who study in a department of the College of Arts and Sciences are candidates for the Master of Arts or Master of Science degree. Candidates who work in the School of Education may elect to take a Master of Arts in Education, a Master of Education, or a Master in Science Teaching. A statement of specific requirements for each of these degrees is given by the School of Education. Students who meet the requirements for the Master's degree in business administration will receive the degree of Master of Business Administration, in music the degree of Master of Music; the particular requirements for these degrees are stated by the respective schools.

The minimum number of semester hours in any of the Master's degree programs is thirty, which may include four to six for a thesis. Credit other than for a thesis must be in approved upper-level courses in which a grade of B or above has been secured. Where a thesis is not presented, a larger number of hours, up to thirty-six, is required. Requirements beyond the minimums may also be made when the character of the undergraduate preparation and the nature of the graduate study indicate the need. The degree is not won, in any case, by the mere accumulation of credits, but by evidence of mastery in one of the special fields of knowledge.

A thesis is required in the programs for Master of Arts, Master of Science, Master of Business Administration, and Master of Music when the specialization is in music history, literature, or theory. Registration for credits for the thesis in any subject field is to be made under the number 597 or 598. A format for the thesis approved by the Graduate School must be used.

Comprehensive examinations, written or oral, or both, are required for all Master's degrees. At least two months before the date of the convocation at which he wishes to receive the degree, the student must make application for examinations to the head of the department or school in which he is working.

**LANGUAGE REQUIREMENT**

There is not a general requirement of a foreign language for the Master's degrees. In the arts and sciences it will be expected that a student will have pursued at least one foreign language to the level of completion of two college years. Demand in any of the programs for evidence of language proficiency—which would be reading knowledge—will be determined by the head of the school or department in which the study is being conducted and the Dean of the Graduate School on the basis of the pertinency of the requirement to the subject and program. The requirement, where involved, must be satisfied before completion of half of the course requirements.

**ADMINISTRATION**

The work for advanced degrees at the University of Puget Sound is under the general supervision of the Dean of the Graduate School and of a Graduate Council consisting of seven faculty members, including the executive officers of the schools or colleges which offer graduate study.
Expenses and Fees

ESTIMATED EXPENSES

Students contemplating a college course may form some conception of their total yearly expenses at the University of Puget Sound by the following itemized estimate of expenses:

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room and Board</td>
<td>$325.00</td>
</tr>
<tr>
<td>(Includes two meals Sunday)</td>
<td></td>
</tr>
<tr>
<td>Tuition</td>
<td>375.00</td>
</tr>
<tr>
<td>General Fee</td>
<td>30.00</td>
</tr>
<tr>
<td>Books</td>
<td>40.00</td>
</tr>
<tr>
<td></td>
<td><strong>$770.00</strong></td>
</tr>
</tbody>
</table>

Estimated expenditure is $1,540.00 per academic year of nine months. These totals do not include personal expenses such as clothing, travel, or expenses for the summer vacation. Fees will amount to somewhat more than the sum specified, if the student elects courses for which special instruction or services are necessary. Personal expenses will vary with the tastes and habits of different students.

PAYMENTS

Semester charges are paid at the time of registration each semester. A time payment schedule may be arranged providing:

A. Students living in the University dormitories pay at least two hundred dollars ($200.00) at the time of registration each semester. Students not living in the University dormitories pay at least one hundred dollars ($100.00) at the time of registration each semester.

B. The balance, after the deduction of any promised scholarship or loan, is payable in four equal payments on October 10, November 10, December 10, and January 10 in the fall semester, and in three equal payments on March 10, April 10, and May 10 in the spring semester.

C. A fee of ten dollars ($10.00) per semester is paid for servicing time payments if the full charges are not paid at the time of registration.

A promissory note may be required at the time of registration to cover the unpaid balance on the student's account. All notes must be paid within the semester in which they are issued and require acceptable endorsers. Students will not be admitted to semester final examinations until all obligations to the University have been satisfied.

Registration is not completed until all financial obligations have been arranged in the Business Office.

The University reserves the right to withhold statement of honorable dismissal, transcript of records, or diploma, until all University charges have been paid, or until satisfactory arrangements have been made with the Business Office.

Credit for future services to be rendered to the University by the student cannot be used to meet the initial payment. Money received by a student from loans or scholarships, or for work performed for pay must be applied on the student's account if there is any unpaid balance at the time of receipt.

SCHEDULE OF FEES

Tuition Per Semester

<table>
<thead>
<tr>
<th>Hours</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Twelve through seventeen</td>
<td>$375.00</td>
</tr>
<tr>
<td>Per semester-hour, under twelve</td>
<td>30.00</td>
</tr>
<tr>
<td>For each additional hour above seventeen</td>
<td>30.00</td>
</tr>
<tr>
<td>Audit of day class instruction, per hour</td>
<td>15.00</td>
</tr>
</tbody>
</table>

(Requires permission of the Dean of the Undergraduate School)

The University reserves the right to change the tuition rate and fee schedule applicable to a given semester without prior notice. After the beginning of a semester, no change will be made to be effective within the semester.

SUNDARY FEES

<table>
<thead>
<tr>
<th>Service</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application for admission (payable once only)</td>
<td>$ 10.00</td>
</tr>
<tr>
<td>General Fee (Required of each student taking 10 credit hours or more)</td>
<td>30.00</td>
</tr>
<tr>
<td>(Includes the following services: Support of Associated Student Body Activities, Accident Insurance, Student Center, Health Service, Swimming Pool, and Intercollegiate Athletics.)</td>
<td></td>
</tr>
<tr>
<td>Clinical Training, (required of Occupational Therapy students for four semesters, per semester)</td>
<td>25.00</td>
</tr>
<tr>
<td>Deferred payment (required on accounts which are not paid in full at the time of registration)</td>
<td>10.00</td>
</tr>
<tr>
<td>Late registration (applicable on and after the first day of classes)</td>
<td>10.00</td>
</tr>
<tr>
<td>Change of registration</td>
<td>2.00</td>
</tr>
<tr>
<td>Graduate Record Examination</td>
<td>5.00</td>
</tr>
<tr>
<td>Transcript</td>
<td>1.00</td>
</tr>
<tr>
<td>A.F.R.O.T.C. Uniform Service fee (Cleaning and Handling Charge)</td>
<td>5.00</td>
</tr>
<tr>
<td>Laboratory Fee, for a science course, per semester</td>
<td>5.00</td>
</tr>
</tbody>
</table>
Student Teachers' Service Fee (required of students taking Education 406 or 408) ........................................ 15.00
Service Fee for Education 405 or 407 ........................................ 5.00
Breakage ticket for each chemistry student ........................................ 5.00
Materials ticket: in Occupational Therapy, Ceramics, Sculpture, Jewelry and Puppetry Courses ........................................ 5.00
For Art 238, 339, 357, 461, 477, 478, 481, 482 ........................................ 5.00
For Home Economics 101 and 102 ........................................ 3.00
Special Fees for off-campus physical education activities:
   Bowling, per semester ........................................ 10.00
   Golf, per semester ........................................ 10.00
   Riding, per semester (includes transportation) ........................................ 25.00
   Skating, per semester (includes transportation) ........................................ 13.00

MUSIC

Rates for private lessons for one-half hour.
Regular Course Students:
   Voice and all instruments ........................................ $ 25.00
   (This fee is applicable regardless of the number of lessons
taken or the number of instruments (including voice) studied)
Special Students:
   Voice and all instruments, per lesson $4.00, per semester ........................................ 64.00
   Practice Fee: Organ, per semester ........................................ 10.00
   For Credit, Special Student, per credit hour ........................................ 5.00

RATES FOR RESIDENCE HALLS

Room and Board, per semester (includes two Sunday meals) .......... $325.00
   (Subject to change, if found necessary)
Deposit on key to room (refundable) ........................................ 1.00
House Fund (required of students living in dormitories, per semester):
   Men ........................................ 1.00
   Women ........................................ .50

An advance payment of $25.00 is required each year from boarding students at the time of making application for a room in the Residence Halls. This payment will not be refunded for cancellations later than July 1.

All Residence Halls will be closed to students, without exceptions, during the Christmas and Spring vacations.

REFUNDS AND ADJUSTMENTS

Tuition:
Tuition fees are not returnable except when withdrawal from the University is caused by sickness or causes entirely beyond the control of the student. In no case will the general fee be refunded.
Refund of tuition shall be in the following proportions, based upon the period of the student's actual attendance from the date of enrollment:
   Withdrawal before the end of the second week ........................................ 80%
   Withdrawal before the end of the third week ........................................ 60%
   Withdrawal before the end of the fourth week ........................................ 40%
   Withdrawal before the end of the fifth week ........................................ 20%
After the fifth week no refund will be allowed.

Room:
1. Reservation of space in the dormitories is considered an agreement by the student to remain the full semester for which the reservation is made.
2. Residence Hall rentals are not returnable except when withdrawal from the University is caused by sickness or causes entirely beyond the control of the student. If a student moves from the residence hall to which he has been assigned before the end of the first month of any semester—providing official withdrawal from the University is the cause—he is not penalized. He is refunded the room charge plus any key deposit which he has made. If he moves out for lesser reasons—or after the end of the first month of any semester—he forfeits the entire room charge, but is refunded the key deposit.

Board:
Refund on board charges will be made on a pro-rata basis for those students who withdraw from the University before the end of a semester.
Refund will also be made for four or more consecutive days of absence from the campus, provided the Director of the Food Service was given advanced notice when such absence is voluntary.

Scholarships and Grants-in-Aid:
If a student, who holds a scholarship or grant-in-aid, withdraws from the University before the end of a semester, except for reasons beyond his control, his award is cancelled and may not be used in settlement of his financial obligations to the University.
Courses of Instruction

GENERAL PROVISIONS

Courses in the different subjects of instruction are described in the following pages. Subjects are listed in alphabetical order.

The University reserves the right to withdraw any course when the enrollment does not justify its continuation. In general, classes will not be held for less than ten students. This minimum may not be insisted upon in the case of advanced courses which are indispensable for the completion of a program of study; but an enrollment of more than ten may be required for a class in a course which is frequently given or of which there are other sections.

Numbers in the 100's, 200's, 300's and 400's are used respectively to indicate courses that are considered to be first, second, third or fourth year courses, although students’ programs are not limited to courses at one of these levels. It is a general principle that courses numbered 300 and above are not open to freshmen or sophomores, or to upper-classmen who had not had some basic courses in the particular department. Courses numbered 500 or above are primarily graduate courses, but are open to some qualified undergraduates. Courses numbered 300 or above may be used, with approval of proper advisers, in graduate programs.

Odd numbers as a general rule indicate courses that are given in the first semester; even numbers, one given in the second semester. There are exceptions and also some courses listed as first, or second, semester are repeated in the other semester’s schedule.

Consecutive numbers separated by a comma (as 201, 202) indicate a course which continues through the year.

The hours at which courses will be given will be announced in a time schedule issued before the beginning of each session.

Courses which might properly be classed in either of two departments are described in one, but usually listed also in the other. Such courses may be counted toward a major or minor in the second department by approval of the ranking faculty member in that department.

Air Science

(AIR FORCE ROTC)


The Department of Air Science at the University of Puget Sound was authorized and officially organized on July 1, 1951. Its purpose is to select and train young college men as future leaders in the United States Air Force. The curriculum offered by this department is divided into two phases: basic and advanced courses.

The Basic Course consists of formal instruction in Air Science for two hours per week in the Spring Semester of the Freshman year and two hours per week in the Fall Semester of the Sophomore year. In the other semesters of the two basic years certain regular college courses will be accepted as meeting pre-commission officer education requirements, and will be designated as part of the Air Science curriculum. Such courses will be taken from the areas of Mathematics, Physical or Natural Sciences, Foreign Languages, the Humanities or Social Science. All such courses must meet the approval of the Professor of Air Science. In addition to the formal Air Science classes there is also one hour per week for the full four semesters of the basic course devoted to Leadership Laboratory.

The Advanced Course consists of formal instruction for five hours per week for two academic years, plus a summer camp of four weeks' duration which is normally attended between the junior and senior years.

Students for the Advanced Course are chosen from among the highest-qualified students who have successfully completed the Basic Course or who have equivalent military training or service.

Each student accepted into the Advanced Course must:
1. Appear before a military board of officers, and successfully complete such general survey and screening tests as may be prescribed.
2. Execute a written agreement with the United States Air Force to complete the Advanced Course, contingent upon remaining in the University, and to attend the Advanced Course Summer Camp at the time specified.

3. Have a graduation date prior to reaching 26½ years of age if enrolled in a category leading to flight training, or 28 years of age if enrolled in any other category.

4. Be selected by the Professor of Air Science and the University President for enrollment in the Advanced Course.

The student is paid a monetary allowance during the two academic years of the Advanced Course. While attending the Summer camp each student also receives pay, subsistence, housing, uniforms, and medical attention at government expense. For veterans these emoluments are in addition to benefits received through the G.I. Bill of Rights.

Upon graduation from the Advanced Course and the University, the student receives a commission as a Second Lieutenant in the United States Air Force Reserve.

All Air Force ROTC students, in both Basic and Advanced courses, are furnished complete officer-type Air Force blue uniforms. Each student is required to make a $4.00 uniform deposit to the Bursar at registration for cleaning the uniform at the end of the year.

The Department of Air Science furnishes all necessary textbooks for classroom use.

Students in the Air Force ROTC program may be deferred from Selective Service draft within the yearly quotas allocated to the Department of Air Science at the University.

**BASIC COURSE: FOUNDATIONS OF AIR POWER**

**First Year**

**Foundations of Air Power, 1**
Air Science 101
Substitution of college course approved by Professor of Air Science.

Air Science 102
Credit, 2 semester hours
A general study of the United States Air Force designed to provide the student with an understanding of the elements of Air Power and basic aeronautical science.

**Second Year**

**Foundations of Air Power, 2**
Air Science 201
Credit, 2 semester hours
A more advanced study of the United States Air Force including the evolution and elements of air power, operational capabilities of the USAF, present and future operations in space, astronautics and its applications.

Air Science 202
Substitution of college course approved by Professor of Air Science.

*Leadership Laboratory will be given all four semesters to instill in each student the qualities of self-discipline, confidence and ability to work harmoniously with others in large groups. This counts as a substitution for 2 credit hours of physical-education activity.*
ADVANCED COURSE: AIR FORCE OFFICER DEVELOPMENT

Third Year

Leadership, Principles and Practice — Air Science 301, 302
Credit, 3 semester hours each semester

Introduces Air Force ROTC cadets to principles of leadership as they apply to Air Force problems and tasks. Involves major socio-psychological principles of leadership, a consideration of the leader-follower relationship in an Air Force environment, and communication theory relevant to leadership. Leadership practices concentrate on important behavior skills basic to leader performance with provision for practice and development of basic behavior skills in a realistic problem situation.

Summer Camp — Air Science 330
Credit, 3 semester hours

Four weeks' training at an Air Force Base, to include officer-orientation, military fundamentals, organization and functions of Air Force bases, weapons, marksmanship, and flying indoctrination.

Fourth Year

Global Relations — Air Science 401, 402
Credit, 3 semester hours each semester

A study of global relationships of special concern to the Air Force officer with attention to such aspects as weather, navigation, political geography, and international relations.

Art

Professor Wentworth (Chairman); Associate Professors Chubb, Colby;
Assistant Professor Lavinder, Instructor Chappell

The Department of Art offers courses leading to the Bachelor of Arts degree with a major in art or a major in art education.

The Bachelor of Arts degree with an art major. Majors in art leading to the Bachelor of Fine Arts degree may have areas of concentration in art history, interior design, art education, painting, sculpture or ceramics as approved by the art faculty. Total 60 semester-hours.

The Bachelor of Fine Arts degree with an art education major. Minimum requirements in art; Art 103, 104, 107, 109, 110, 247, 253, 265, 339, 354, 357, 361, 362, 481, 482, 498 and three hours selected from Art 324, 328, 424, 425, plus an additional 3 hours selected from upper level courses in art. Total 42 semester-hours. The student in art education will select his minor teaching field with the approval of the School of Education, and will fulfill general education requirements as outlined in this catalog.

For a general minor in art the following courses are required. Art 103, 104, 107, 109, 253, 265. Total 17 semester-hours.

Majors in occupational therapy may satisfy a minor requirement in art with the following courses. Art 103, 104, 107, 247, 265, 339. Total 17 semester-hours.

During the senior year each art major will prepare and present a representative exhibition of his work under the direction of the art faculty. See course 498.

The Art Department reserves the right to retain student work for a period of one year for exhibition purposes.
Basic Design — Art 101
Credit, 3 semester hours
An approach to basic design through problems stressing the elements and principles of design. Course 101 is not counted in the hours for an art major or minor.

Creative Design — Art 103, 104
Credit, 3 semester hours each semester. Prerequisite, Course 101, or one year of high school art.
Past and present art theories involving space, composition, color and applied design. Advance projects with experience in a variety of techniques.

Understanding the Arts — Art 107
Credit, 3 semester hours. Offered each semester.
A course designed to bring an increased enjoyment and understanding of the Arts of today through lectures, slides, films, field trips and discussions. Contemporary trends in painting, architecture and sculpture will be stressed, with an attempt being made to answer the most commonly asked questions of "what and why."

Sketching and Drawing — Art 109, 110
Credit, 2 semester hours each semester. Prerequisite, Course 101 or one year of high school art.

Art Metalwork and Enameling — Art 238
Credit, 2 semester hours. Prerequisite, Course 101

Beginning Ceramics — Art 247, 248
Credit, 3 semester hours each semester.
Fundamentals of ceramic design. Processes of pottery making using coil and slab methods and reproduction by slip and press methods.

Beginning Oil Painting — Art 253, 254
Credit, 3 semester hours. Prerequisite, Courses 104, 109, 110
An approach to the fundamentals of oil painting, stressing the technical problems involved. Investigations into the proper preparation of supports, grounds, painting media, color and the like will be made. Considerations as to form and content will also be emphasized.

Beginning Sculpture — Art 265, 266
Credit, 3 semester hours each semester. Course 265 prerequisite for course 266
Fundamentals of sculptural composition and design. Study of form in wood, clay plaster and wire.

The Beginning of Art — Art 324
Credit, 3 semester hours
Includes prehistoric and ancient art of Europe and the Near East, classic art, Pre-Columbian arts of the Americas, and primitive arts of today. Offered each spring semester.

Medieval and Oriental Art — Art 328
Credit, 3 semester hours
Major coverage in early Christian, Byzantine, Romanesque, and Gothic art and a survey of Oriental art with an emphasis on painting. Art 328 is offered alternate spring semesters.

Display — Art 330
Credit, 1 semester hour
Gallery and showcase arrangement.

Jewelry — Art 339
Credit, 2 semester hours. Prerequisite, Course 101.
Design and construction of modern jewelry.

Advanced Ceramics — Art 347, 348
Credit, 3 semester hours each semester. Prerequisite, Course 248. Course 347 prerequisite for Course 348
Theory and experimentation in clay bodies and glazes, advanced construction and decorative techniques, and throwing.

Advanced Oil Painting — Art 353
Credit, 3 semester hours. Prerequisite, Art 253, 254
An investigation into the theory and philosophy of oil painting as well as the technical aspects of the medium itself. Emphasis will be given to the conceptual aspects of oil painting.

Watercolor Painting — Art 354
Credit, 3 semester hours. Prerequisite, Art 253, 254
An exploration into the general properties of the aqueous painting vehicles. Transparent and opaque watercolor, their differences and similarities, form the basis of this course. Offered every other spring semester.

Figure Drawing — Art 357, 358
Credit, 2 semester hours each semester. Prerequisite, Course 110
Lettering — Art 361, 362
Credit, 1 semester hour each semester
The study and use of script and lettering styles.

Advanced Sculpture — Art 365, 366
Credit, 3 semester hours each semester. Prerequisite, Course 266. Course 365 prerequisite for Course 366

Essentials of Interior Design — Art 411
Credit, 3 semester hours
General survey of the subject, including the relation of the house to the occupant; interior architecture, backgrounds, furniture arrangements, color, etc.

Arts of the Northern Renaissance — Art 424
Credit, 3 semester hours
Art 424 traces the development of painting, sculpture and architecture in Northern Europe from the late 14th century to the late 17th century. Recommended prerequisite, Art 328. Offered alternate years in the spring.

Art of the Italian Renaissance and Post-Renaissance Periods — Art 425
Credit, 3 semester hours
Covers art of the Italian Renaissance period and the early phases of the modern era in Post-Renaissance Europe and the United States. Offered each fall semester.

Art Education — Art 461
Credit, 2 semester hours. Prerequisite, Courses 101 or 103
Problems and techniques of teaching art in the public schools.

Textile Design — Art 478
Credit, 3 semester hours. Prerequisite, Courses 104 and 109
Application of creative designs to fabrics through processes of stenciling, block printing and silk screening.

Graphic Arts — Art 481, 482
Credit, 2 semester hours each semester. Prerequisite, Courses 104, 110.
Print making including the processes of serigraphy, block printing, and etching.

Seminar — Art 493, 494
Credit and time to be arranged. Open to advanced students
Special study in selected fields.

Individual Projects — Art 498
Credit, 1 semester hour
Creative work in major field.

Biology

Professor Alcorn (Chairman), Slater; Assistant Professor Van Gilder
Instructors J. Larson, Wicks
Teaching Fellows Barry, Chenoweth, Shaw

Courses suggested in a major are:
101, 102, 221 and 222 or 231 and 232, 356, 371 or 375, 491, 492. Students preparing for forestry, pharmacy, and similar fields should choose Courses 115, 116, 246, 252, 301. Students planning to teach secondary school should take both 101, 102 and 115, 116.

Suggested minors are:
1. For students majoring in home economics: Courses 101, 102 and at least 9 hours from 105, 221, 222, 246, 252.
2. For students majoring in physical education: Courses 101, 102, 105, 221, 222, 246.
3. For students majoring in sociology: Courses 101, 102, 246, 301, 492.
General Biology — Biology 101, 102  
*Credit, 3 semester hours each semester*
This course is devoted to the study of the general laws of life, the fundamental relationships of living things, and those general biological problems which are related to human culture and progress.

Hygiene — Biology 105  
*Credit, 2 semester hours*
A study of the laws of health, designed particularly for students of biology and those who intend to enter nursing or to teach health or physical education.

General Elementary Botany — Biology 115  
*Credit, 3 semester hours*

The Life Histories of Selected Types of Plants — Biology 116  
*Credit, 3 semester hours*
A general survey of the plant kingdom.

Anatomy and Physiology (Nurses Training Course) — Biology 121  
*Credit, 6 semester hours*

Microbiology — Biology 142  
*Credit, 4 semester hours*
A course in bacteriology planned particularly for students preparing to be nurses.

Fundamentals of Medical Technology — Biology 205  
*Credit, 1 semester hour*

Elements of Medical Technology — Biology 207  
*Credit, 1 semester hour*

Anatomy — Biology 221  
*Credit, 3 semester hours. Prerequisite, Courses 101, 102*
Human anatomy.

Physiology — Biology 222  
*Credit, 3 semester hours. Prerequisite, Course 221*
Animal and human physiology.

Comparative Anatomy of Vertebrates — Biology 231, 232  
*Credit, 3 semester hours each semester. Prerequisite, Course 102*

Bacteriology — Biology 246  
*Credit, 4 semester hours. Prerequisite, Course 102 or 116*

Ecology, Systematic Botany, Plant Geography — Biology 252  
*Credit, 3 semester hours. Given as there is demand.*

Genetics — Biology 301  
*Credit, 3 semester hours*

Field Biology — Biology 352  
*Credit, 3 semester hours*

Biology of Birds — Biology 354  
*Credit, 3 semester hours. Given as there is demand*

Natural History of Invertebrates — Biology 356  
*Credit, 3 semester hours*

Museum Technique in Biology — Biology 361  
*Credit, 2 semester hours. Given as there is demand*
Preparation and care of museum material.

Histology and Microscopic Technique — Biology 371  
*Credit, 4 semester hours. Offered in alternate years. Given in 1961-62*
Microscopic structure of tissues of animals, chiefly mammals.

Embryology of Vertebrates — Biology 375  
*Credit, 4 semester hours. Offered in alternate years. Given in 1962-63*

Seminar — Biology 491, 492  
*Credit, 3 semester hours each semester*

Research — Biology 497, 498  
*Credits and hours to be arranged*

Thesis — Biology 597, 598  
*Credit, 4 to 6 semester hours*

MUSEUM OF NATURAL HISTORY

The Puget Sound Museum of Natural History is under the supervision of the Board of Trustees and directly under the Department of Biology and a Museum Board of Directors. Its function is to acquire and preserve Pacific Northwest natural-history specimens for educational purposes. Organized field
work helps secure specimens and related regional material. At present, the museum has about 16,000 specimens of mammals, birds, reptiles, and amphibia, in addition to 5,000 herbarium sheets.

The Museum's present major importance is in connection with certain courses in the Department of Biology as all students in the department use the facilities and specimens in their study of natural history. The museum is designed for study, research and use in all seminar courses.

The Board of Directors are: Dr. R. Franklin Thompson, President of the University; Dr. Gordon D. Alcorn, Director and Curator of Birds; W. Gerard Banks, Bursar; Leo King Couch, Mammology; Irene O. Creso, Curator of Botany; Garrett Eddy, Ornithology; Arthur Einarsen, Ornithology; John B. Hurley, Ornithology; Dr. Murray L. Johnson, Curator of Mammals; Edward A. Kitchin, Ornithology; Dr. Victor B. Scheffer, Mammology; Dr. James R. Slater, Curator of Reptiles and Amphibia; Stanton Warburton, Jr., Ornithology.

School of Business Administration and Economics

Professors Hamner (Director), Capen; Consulting Professors Andrus, Prins; Assistant Professors Sinclair, Stevens; Instructors Boyle, Brown, Carlson, Combs, Crosby, Day, Murtland, Perdue, Stolz

Courses for majors in business administration are designed to acquaint students with the principles of organization and management fundamental in the administration of any enterprise.

Economics 101 and 102 are prerequisites to all courses in business administration other than Business Administration 103, 110, except by permission of the Director of the School.

A major in business administration, to qualify for the degree of Bachelor of Arts in Business Administration, should include Courses 103, 110 or 116, 201, 202, 205, 206, 232, 301, and nine additional upper-level hours. Courses 300, 361, and 372 are recommended. Credit for Economics 101, 102, 363 and 305 or 409, 410, are also required for graduation. A year in foreign language, or alternative work in English or Speech, is advised.

Students who desire to become Certified Public Accountants should complete the following courses in addition to those prescribed for the general curriculum: Business Administration 361, 362, 365, 366, 461, 463, 500 and 525.

A minor in business administration should include Business Administration 103 or 110, 201, 205, 301, and three additional hours. Economics 101 and 102 must also be taken.

Students who minor in business administration with emphasis upon merchandising may satisfy requirements by taking Economics 101 and Business Administration 110, 201, 205, 325, 326, 327.

Students who have business administration majors and an interest in careers as technicians which are offered in aircraft and electronic industries for persons qualified in mathematics would be well advised to take at least a minor in that subject.

I. Commercial Teacher Training

This curriculum is designed to qualify students as teachers of commercial subjects in either junior or senior high schools. In addition to the courses in Education required to qualify for the state teachers' certificate, credit for the following courses in business administration or their equivalent should be presented: Economics 101, 102, Business Administration 103, 201, 202, 205, 314, 325 or 331, Economics 409, 410, and Education 358.

II. In-Service Training in Retailing

This curriculum is designed to meet the needs of two groups of students: one, those who plan to make retailing a profession; and, two, those who plan to qualify as teachers of distributive education in high schools under provisions of the George Dean Act. Both groups are advised to major in business administration and minor in either art or home economics (textile) or both. Students who take in-service training in retailing may satisfy requirements for a major in business administration by taking Economics 101, 102, 363, Business Administration 110, 201, 205, 301, 314, 323, 325, 326, 327, 328, 331 and Economics 409, 410.

III. Major in Economics

Courses 101, 102 are prerequisites to all other courses in the department.

A major in economics must include Courses 101, 102, 221, 232, 301, 305, 306 and 363. Social Ethics (Philosophy 372) should be taken and the intro-
duction to ethical principles (Philosophy 371) prior to it. Three hours of accounting are also required (Business Administration 201), and at least one introductory course in another social study (history, political science or sociology). Completion of at least the introductory course in each of the social studies mentioned is recommended.

A minor in economics must include Courses 101, 102, 221, 232 or 363, 301, and 305 and 306.

I. ACCOUNTING AND STATISTICS

Accounting — Business Administration 201, 202
*Credit, 3 semester hours each semester. Course 201 or an equivalent is a prerequisite for Course 202*

The balance sheet approach is used with the result that students who have had bookkeeping in high school will have no advantage over students who have had no bookkeeping. Course 201 is concerned with the functions of accounts, balance sheets, profit and loss statements, books of original entry, business forms and papers. Course 202 deals with classification of accounts, partnership and corporation accounts, controlling accounts and subsidiary ledgers.

Intermediate Accounting — Business Administration 361, 362
*Credit, 3 semester hours each semester*

A study of the accounting and financial problems of the corporation. In the first semester, work is concentrated on problems that arise in the construction of the balance sheet, and the valuation and interpretation of items in the balance sheet; in the second semester, attention is directed to problems involved in the valuation, analysis and interpretation of items in the profit and loss statement.

Accounting Theory — Business Administration 365
*Credit, 3 semester hours*

Cost Accounting — Business Administration 366
*Credit, 3 semester hours*

Specific order, process and allied methods of cost accounting are studied. Attention is given to payroll, social security deduction and general tax accounting. Both theory and practice are stressed.

Tax Accounting — Business Administration 461, 462
*Credit, 3 semester hours first semester, 2 semester hours second semester*

A study of the federal income tax. Emphasis in the first semester is on the tax as applied to individuals; emphasis in the second semester is on partnerships, corporations, estates and returns.

Municipal Accounting — Business Administration 463
*Credit, 3 semester hours*

Advanced Accounting — Business Administration 465, 466
*Credit, 3 semester hours each semester*

In the first semester emphasis is on partnerships, consignments, installment sales, statement of affairs, and realization and liquidation reports; in the second semester, emphasis is on estates and trusts, home office and branch accounting, parent and subsidiary accounting, and consolidated statements.

Statistics — Business Administration 301
*Credit, 3 semester hours*

A first course in statistics, providing instruction and training in mathematical methods of dealing with data in the fields of business and economics.

Statistical Analysis — Business Administration 482
*Credit, 3 semester hours. Given as there is demand*

Analysis of tests of significance, curve fitting, time series, sampling techniques and index numbers.

GRADUATE COURSES

Auditing — Business Administration 500
*Credit, 3 semester hours. Given as demanded*

Analysis of balance sheets and profit and loss statements; audit procedures, and a study of the highest professional accounting opinions pertaining to accounting, business and financial policies of today.

Certified Public Accountancy Problems — Business Administration 525
*Credit, 3 semester hours*

Reading and Conference — Business Administration 591, 592
*Credit 1 to 3 hours each semester*

Directed reading. Oral and written reports
II. MARKETING

Principles of Marketing — Business Administration 110  
_Credit, 3 semester hours_
Methods used in marketing, principal types of goods, middleman, price policies, marketing costs, government regulations.

Advertising — Business Administration 324  
_Credit, 3 semester hours_
Advertising appeals and their use; layouts, media, and agencies. Exercises are given to illustrate subject-matter.

Principles of Retailing — Business Administration 325, 326  
_Credit, 3 semester hours each semester_
Application of the problem approach to the understanding of basic principles and practices in retailing.

Store Analysis — Business Administration 327  
_Credit, 3 semester hours_
A practical study of the elements of operation involved in the management of small and medium sized retail stores. Trips are made to selected retail operations in the community where details of actual operation are explained by the store management through prior arrangement by the instructor. Location, store layout, merchandise selection, sales promotion, pricing, credit extension and store services are studied and evaluated.

Principles of Salesmanship — Business Administration 331  
_Credit, 3 semester hours_
Emphasis on "the ability to handle people and understand them," which is the basis of leadership in any field of endeavor and especially so in Salesmanship.

GRADUATE COURSES

Sales Management — Business Administration 527  
_Credit, 3 semester hours_
Theory of management as well as actual case-problems are discussed in round-table sessions with emphasis on recruiting, selecting, training, motivating and supervising salesmen.

Reading and Conference — Business Administration 591, 592  
_Credit 1 to 3 hours each semester_
Directed reading. Oral and written reports.

III. MANAGEMENT

Principles of Management — Business Administration 300  
_Credit, 3 semester hours_

Corporation Finance — Business Administration 311  
_Credit, 3 semester hours_
See Finance.

Business Communications — Business Administration 314  
_Credit, 3 semester hours_
The broad principles of oral, graphic and written communication in business with stress on the Art of Listening.

Personnel Management — Business Administration 316  
_Credit, 3 semester hours_
Problems of personnel administration, such as selection, placement, training, control and compensation of labor, will be studied.

Human Relations in Industry — Economics 351  
See Psychology 351.

Social Ethics — Business Administration 372  
See Philosophy 372.

Office Organization and Management — Business Administration 401  
_Credit, 3 semester hours_
Offered in alternate years. Given in 1960-61.

Industrial Organization and Management — Business Administration 411  
_Credit, 3 semester hours_
A study of principles of management essential to the administration of any industrial or manufacturing enterprise.

GRADUATE COURSES

Sales Management — Business Administration 527  
_Credit, 3 semester hours_
See Marketing.

Reading and Conference — Business Administration 591, 592  
_Credit 1 to 3 hours each semester_
Directed reading. Oral and written reports.
Seminar — Business Administration 593, 594
Credit, 2 to 3 semester hours (alternate years)

Directed Studies — Business Administration 595, 596
Credit, 2 to 5 semester hours each semester

Thesis — Business Administration 597, 598
Credit, 4 to 6 hours in total

IV. FINANCE

Mathematics of Finance — Business Administration 116
Credit, 3 semester hours
The basic principles and techniques necessary for an understanding of mathematical problems commonly met in the fields of business and finance, for example, in installment buying, short and long-term loans, bonds and depreciation.

Money and Banking — Business Administration 232
See Economics 232

Business Fluctuations and National Income —
Business Administration 306
See Economics 306

Corporation Finance — Business Administration 311
Credit, 3 semester hours. Prerequisite B A 201 or approval of instructor
Manager's administration or finance; methods of raising fixed and working capital.

Investment Analysis — Business Administration 312
Credit, 2 semester hours
Operation of the stock market, over-the-counter market information sources, and industry comparisons.

Real Estate Principles — Business Administration 344
See Insurance and Law V.

Public Finance — Business Administration 363
See Economics 363.

Personal and Family Finance — Business Administration 364
Credit, 3 semester hours
The role of personal finance in the life of the individual and the family and the handling of income, insurance, investments, budgeting, credit, and taxation.

GRADUATE COURSES

Reading and Conference — Business Administration 591
Credit, 1 to 3 hours each semester
Directed reading. Oral and written reports.

V. INSURANCE AND LAW

Business Law — Business Administration 205, 206
Credit, 3 semester hours each semester

Risk and Insurance — Economics 319, 320
Credit, 2 semester hours each semester
Insurance as a device for handling risk. Contributions of insurance to society. Organization of insurance companies. The insurance contract with emphasis on Fire, Marine, Life and Disability.

Social Insurance — Economics 322
Credit, 3 semester hours
The customary fields of Social Insurance (O.A.S.D.I., Unemployment, Workmen's compensation, Sickness) are compared with the private approaches to the same problems.

Labor Law Problems — Business Administration 342
See Economics 342.

Real Estate Principles — Business Administration 344
Credit, 3 semester hours
The economics and structure of the real estate market.

GRADUATE COURSES

Reading and Conference — Business Administration 591, 592
Credit, 1 to 3 hours each semester
Directed reading. Oral and written reports.

VI. LABOR AND INDUSTRIAL RELATIONS

Personnel Management — Business Administration 316
See Management III.
Social Insurance — Economics 322
See Insurance and Law V.

Labor Economics — Economics 341
Credit, 3 semester hours
A survey of industrial relations; the background of trade unionism and collective bargaining; management and labor problems, and public welfare.

Labor Law Problems — Economics 342
Credit, 3 semester hours, prerequisite, Course 341
A survey of legal aspects of labor problems and of Federal legislation on labor-management relations.

Human Relations in Industry — Economics 351
See Psychology 351.

GRADUATE COURSES
Reading and Conference — Economics 591, 592
Credit, 1 to 3 hours each semester.
Directed reading. Oral and written reports.

VII. TRADE AND TRANSPORTATION

Economic Geography — Economics 103
Credit, 3 semester hours
Survey of world resources and the geographical factors affecting their production and distribution.

International Trade — Economics 351, 352
Credit, 2 semester hours
Relation of the United States to the world economy; principles of trade, foreign exchange, balance of payments; commercial policy, foreign investment; and international economic institutions.

Economics of Latin America — Economics 356
Credit, 3 semester hours
Development and organization of economic production, organization and distribution of Latin America with an evaluation of its impact upon the economy of the United States.

Economics of Transportation — Economics 371
Credit, 3 semester hours
The economics of rail, air, highway and inland water transportation in the United States. Government regulation, economic effects of rate structures, and special problems of the industry.

GRADUATE COURSES
Reading and Conference — Economics 591, 592
Credit, 1 to 3 hours each semester
Directed reading. Oral and written reports.

VIII. ECONOMIC SYSTEMS AND DOCTRINES

General Economics — Economics 101, 102
Credit, 3 semester hours. Course 101 is ordinarily prerequisite of 102
An introduction to the organization and operation of the American economy; and an analysis of contemporary problems and policies.

Economic History of the United States — Economics 221
Credit, 3 semester hours
The development of American economic institutions from their European background to the present.

Intermediate Economic Theory — Economics 305
Credit, 3 semester hours
Analysis of the concepts and principles of economics, and of the economic behavior of consumers and business firms; pricing under competitive conditions and under monopolistic conditions; distribution of income in a market economy.

Business Fluctuations and National Income — Economics 306
Credit, 3 semester hours. Prerequisite Economics 232 or permission of instructor.
An analysis of the determinants of the level of national income and of employment; and an introductory study of business fluctuations.

Economic History of Europe — Economics 329, 330
See History 329, 330.

History of Economic Doctrine — Economics 409, 410
Credit, 2 semester hours each semester
A survey of the development of economic thought from the Mercantilists until the present time; the relation of economic doctrines to the problems of the period and to the other sciences.
Comparative Economic Systems — Economics 412
Credit, 3 semester hours
Comparative analyses of the economic theories, institutions and operation of communist, socialist, fascist and capitalist systems.

History of Political and Social Thought — Economics 413, 414
See Political Science 413, 414.

Government and Business — Economics 478
Credit, 3 semester hours
Government regulation and control of industry and commerce.

GRADUATE COURSES

Seminar in Economics Analysis and Policies — Economics 512
Credit 2 or 3 semester hours. Prerequisite permission of instructor.

Reading and Conference — Economics 591, 592
Credit, 3 semester hours each semester
Directed reading, oral and written reports.

Directed Studies — Economics 595, 596
Credit, 2 to 5 semester hours each semester

Thesis — Economics 597, 598
Credit, 4 to 6 hours in total

Chemistry

Professors Fehlandt (Chairman), Sprenger; Assistant Professor Chittick

A major in chemistry may be in either (1) the elective curriculum, or (2) the prescribed curriculum.

The elective curriculum is designed for students who want a general course in chemistry, leading to the degree of Bachelor of Science. This might be as a part of a broad general education, in preparation for teaching, or as preliminary to the study of medicine. The requirements for the elective curriculum are the same as the general requirements of the University for a major: namely, twenty-four semester hours in the field chosen, provided that, in addition to general inorganic chemistry, courses are taken from both the fields of analytical and of organic physical chemistry.

The prescribed curriculum is designed for students who wish to make use of chemistry as a vocation, and the requirements for this curriculum are essentially those specified by the American Chemical Society's Committee on the Professional Training of Chemists. These requirements are: the four fundamental full-year courses in chemistry, plus advanced chemistry comprising the equivalent of two lectures or recitations a week for two semesters and at least three hours of laboratory work per week for one semester. Three years of previous chemistry is required for admission to these advanced chemistry courses.

In addition to the usual requirements for the Bachelor of Science degree, students who elect the prescribed curriculum must: (1) complete Mathematics 211, 212, (2) have a reading knowledge of scientific German, and (3) complete Chemistry 193.

Minors suggested as being suitable for accompanying either kind of chemistry major are: another science, mathematics, a foreign language or economics.

The kind of major elected by a student will be entered on his permanent record. Graduates of the prescribed curriculum only, will be certified by the department as being qualified for graduate work or industrial positions.

A minor in chemistry must include courses from the fields both of analytical and of organic or physical chemistry.

For graduate work, candidates may be accepted in the fields of organic, analytical, and inorganic chemistry.

A candidate for a graduate degree must pass a reading examination in either French or German.
General Chemistry and Qualitative Analysis — Chemistry 101, 102
Credit, 5 semester hours each semester. Prerequisite, high school algebra and plane geometry. High school chemistry is not a prerequisite, although it is desirable.
A study of fundamental theories and principles, and the more important elements. The laboratory in Course 102 will consist of qualitative analysis.

General Chemistry for Nurses — Chemistry 105
Credit, 4 semester hours. Prerequisite, high school chemistry, or one semester of college chemistry.
A review of the basic principles of general chemistry, plus studies in certain sections of organic, physiological and pathological chemistry.

Qualitative Analysis — Chemistry 132
Credit, 2 semester hours. Given as there is demand.
Six laboratory hours per week. Required for entrance to advanced courses of students who do not have the equivalent of five hours each of Chemistry 101 and 102.

Laboratory Arts — Chemistry 193
Credit, 1 semester hour.
Practice in common laboratory techniques, chiefly glass-working. One demonstration-hour and two laboratory-hours per week. Open only to science majors; recommended for elective chemistry majors, and required for prescribed majors. See instructor for permission to enroll.

Quantitative Analysis — Chemistry 201, 202
Credit, 4 semester hours each semester; 3 hours only may be elected, depending on amount of laboratory work. Prerequisite for Course 201, Course 102 or equivalent for Course 201.
Elementary gravimetric and volumetric analysis; and the introductory instrumental analysis, electrolytic and optical methods; stoichiometrical relations; modern theory and practice.

Organic Lectures — Chemistry 301, 302
Credit, 3 semester hours each semester. Prerequisite for Course 301, General Chemistry; for Course 302, Course 301.
Study of the hydrogen compounds of carbon and their more important derivatives. May not be taken independently of 305, 306, except with consent of instructor.

Organic Laboratory — Chemistry 305, 306
Credit, 2 semester hours each semester. The lecture course 301, 302 must accompany or precede this laboratory course.
Will include the preparation of typical compounds and will demonstrate various methods of organic preparation.

Advanced Inorganic — Chemistry 322
Credit, 3 semester hours. Offered in alternate years. Given in 1962-63.

Advanced Quantitative Analysis — Chemistry 331, 332
Credit, 1 to 4 semester hours either semester. Given as there is demand. Prerequisite, Chemistry 202 and consent of instructor. Lecture and laboratory hours depending on amount of credit elected.

Physical Chemistry 401, 402
Credit, 5 semester hours each semester. Laboratory, two three-hour periods per week. Prerequisites, Chemistry 201, Physics 202, and Mathematics 212.
Covers the theories and laws of chemistry.

GRADUATE COURSES
Courses listed in this section are primarily for graduate students, although they may be elected by qualified undergraduates.

Advanced Organic Lectures — Chemistry 543
Credit, 3 semester hours. Offered in alternate years. Given in 1962-63.

Organic Preparations — Chemistry 545
Credit, 1 to 3 semester hours. Given as there is demand.
Synthetic work of an advanced nature and an introduction to the use of the literature of chemistry. One hour class discussion and laboratory hours per week varying according to the credit sought.

Biochemistry — Chemistry 553
Credit, 5 semester hours. Three lecture periods and two 3-hour laboratory periods per week. Prerequisites, general organic chemistry and quantitative analysis. Offered in alternate years. Given in 1961-62.
General plant and animal biochemistry. Laboratory experiences include introduction to both classical and recent methods of biochemical investigations. Primarily designed for chemistry majors and others needing a general background; not designed for premedical and predental students.
Organic Analysis — Chemistry 556  
*Credit, 3 semester hours. Given as there is demand.*  
A study of the properties of organic compounds, and laboratory practice in the methods of identifying unknown substances.

Research — Chemistry 591, 592  
*Credit, not to exceed 5 semester hours either semester, or a total of 10 semester hours.*

Thesis — Chemistry 597, 598  
*Credit, not to exceed 6 semester hours.*

Solid State — Chemistry 568  
*Credit, 2 semester hours. Prerequisite, Chemistry 402 or Physics 202 and Mathematics 212. Offered in alternate years. Given in 1961-62.*  
Modern theories of solids, color center phenomena, semiconductors, the metallic bond.

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**Economics**

See School of Business Administration and Economics

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**The School of Education**

Professors Powell (Director), Gibbs; Associate Professors Dolan, Lee, Assistant Professor Griesel; Instructors Daniel, Patterson

The School of Education offers undergraduate students of the University guidance in all matters pertaining to teacher certification in Washington—the selection of subject matter majors and minors to meet current demand, the professional courses and laboratory experiences that will qualify the student for a Washington Provisional Certificate, and placement services to assist seniors and graduates in finding a suitable teaching position. It offers graduate students guidance for the fifth year of college leading to the Washington Standard Certificate, a fifth year degree—the Bachelor of Education, several Master's degree plans, and the courses and laboratory experiences that qualify experienced teachers for a Principal's Credential.

A major in Education for an undergraduate degree is available only to those students in the Elementary Certificate Program who choose it in lieu of an academic subject major. Students who choose the Secondary and Dual Certificate Programs must meet the degree requirements of the department or school in which the teaching major lies. In no case shall the major be less than twenty-four semester hours.

Requirements for a graduation minor in Education will be determined by the School of Education in consultation with the student and the other department or school concerned.

The School of Education is a member of the American Association of Colleges for Teacher Education. Its teacher education program is accredited by the Washington State Board of Education and by the National Council for Accreditation of Teacher Education.

**THREE PROVISIONAL CERTIFICATE PROGRAMS**

After July 1, 1961, the State of Washington will issue Provisional Certificates and Standard Certificates to applicants who have completed the accredited teacher education program of the University and are recommended by the School of Education.
The School of Education provides three programs of preparation for teaching: (1) a program that leads to the Provisional Certificate with recommendation for assignment to the elementary or junior high school level; (2) a program that leads to the Provisional Certificate with recommendation for assignment to the junior or senior high school level; and (3) a dual recommendation program that requires preparation and competence at both levels, and leads to the Provisional Certificate with recommendation for assignment to either level. Because there are a number of long-term advantages inherent in the last-named program, most students are urged to choose that program and to plan their years of college study accordingly.

The Provisional Certificate will be valid for a three-year period and will be renewable for an additional three-year period upon completion of one year of successful teaching experience and eight semester hours of the fifth college year. The Standard Certificate will be issued upon the successful completion of two years of teaching experience and the fifth year of college study (150 or more semester hours of academic credit).

I. ADMISSION TO A TEACHER EDUCATION PROGRAM

Every student who wishes to prepare for a teaching career in the public schools should declare his intention at the time of initial enrollment in the University, or as soon thereafter as that decision is reached, so that he may receive information concerning the requirements. The form for that purpose is supplied by the School of Education. Only majors in Elementary Education will be advised by the School of Education at registration time. All other students will go to the subject matter major department for registration advisement, and guidance in all degree matters. The School of Education will supply each student with information concerning teaching certificate requirements, for use when he confers with his major adviser. The student is responsible for planning his university program so that he meets both the requirements for a degree and the requirements for a teaching certificate.

Education 201, Introduction to Teaching, is open to all students of sophomore standing who are not on probation — to those who wish to explore the possibilities of teaching as a career as well as to those who have already made the choice. Further enrollment in Education courses is open only to students who have met the requirements listed below and have been accepted as teaching certificate candidates by the School of Education.

Formal application for admission to a teaching certificate program should be made during the sophomore year, well in advance of the semester in which the student wishes to take Education 202, Psychological Foundations of Education. Official transcripts of previous academic work must accompany the application. Criteria for admission to and continuance in a Teacher Education Program will be based upon evidence that the applicant:

1. Has and maintains a cumulative grade-point-average of 2.25 or higher.
2. Has and maintains a grade-point-average of 2.50 or higher in his academic major and minor.
3. Received a grade of "C" or higher in English 101 and 102, Psychology 201, and Speech.
4. Attains acceptable scores on a battery of aptitude and achievement tests.
5. Is recommended by his academic major and minor departments.
6. Provides evidence of good character, good health, and other qualifications of importance in the profession.
7. Maintains a grade-point average of 2.50 or higher in all professional courses with no grade below "C".

The aptitude and achievement tests will be given on the second Saturday of August, the fourth Saturday of September, the second Saturday of January, and the second Saturday of March. The student must sign up for one of the testing sessions at least one week in advance of the designated day.

II. UNDERGRADUATE REQUIREMENTS

Requirements for all Teacher Education Candidates

All teaching certificates require the completion of some college degree, competence in an academic major and minor (in subjects commonly taught in the public schools), and certain professional courses. The teaching certificate requires a subject matter major of at least thirty semester hours and a subject matter minor of at least fifteen semester hours. The major and minor requirements of some departments of the University differ from the certificate requirements. The student should be careful to plan so that he meets both requirements.

Students working for a degree from the University of Puget Sound must meet the "Requirements for Undergraduates" as listed on pages 11 to 12 of this catalog. Those requirements include six hours of English Composition, a year of Science or Mathematics, nine hours of Social Studies, nine hours of Humanities, five hours of Physical Education Activity, an academic major, an
academic minor, and the specific requirements of the degree chosen (which may involve a foreign language). Those requirements should be carefully studied. In addition, there are specific requirements for each of the certificates.

**Additional Requirements for the Elementary Certificate**

In addition to the requirements referred to above, students who wish to prepare for teaching only at the elementary level must take the following courses:

A. Non-Professional requirements:
   1. World Geography (Geog. 100) — 3 hours
   2. Art Structure (Art 101) and Art in the Public Schools (Art 461) — 5 hours
   3. Speech — 3 hours (Grade of C or better) (Several suitable courses)
   4. Fundamental Music Experiences (Music 177) and Elementary School Music and Vocal Methods (Music 377) — 4 hours
   5. General Psychology (Psych. 201) — 3 hours (Grade of C or better)
   6. History of the Pacific Northwest (Hist. 251) — 2 hours
   7. Health Education in the Schools (Physical Educ. 365) — 2 hours

B. Professional requirements:
   1. Introduction to Teaching (Educ. 201) — 2 hours
   2. Psychological Foundations of Education (Educ. 202) — 3 hours
   3. Teaching in the Elementary School (Educ. 345) — 2 hours
   4. Reading and the Language Arts (Educ. 349) — 2 hours
   5. The Teaching of Arithmetic (Educ. 350) — 2 hours
   6. Elementary School Student Teaching (Educ. 401) — 6 or 9 hours
   7. Philosophical and Social Foundations of Education (Educ. 417) — 3 hours
   8. Experience the September opening of a public school

The School of Education recommends that the elementary certificate candidate meet the requirement of nine hours of Humanities by choosing six hours of work from among the following: Art 107, Mathematics 151, Music 103 and/or 104, English Literature courses; and that the requirements of nine hours of Social Studies be met from the following courses: History 151, Political Science 101, Sociology 201.

Additional subject matter and professional courses to be taken during the fifth year of college will be determined by individual needs and backgrounds.

**Additional Requirements for the Secondary Certificate**

In addition to the requirements for all teacher education candidates above, students who wish to prepare for teaching only at the senior high school level must take the following courses:

A. Non-Professional requirements:
   1. Speech — 3 hours (Grade of C or better) (Several suitable courses)
   2. General Psychology (Psychology 201) — 3 hours (Grade of C or better)
   3. History of the Pacific Northwest (History 251) — 2 hours

B. Professional requirements:
   1. Introduction to Teaching (Educ. 201) — 2 hours
   2. Psychological Foundations of Education (Educ. 202) — 3 hours
   3. Teaching in the Secondary School (Educ. 347) — 2 hours
   4. Special Methods of Teaching Secondary School Subjects (Educ. 358) — 2 hours
   5. Secondary School Student Teaching (Educ. 403) — 6 or 9 hours
   6. Philosophical and Social Foundations of Education (Educ. 417) — 3 hours
   7. Experience the September opening of a public school

The School of Education recommends that the secondary teacher candidate meet the requirements of the nine hours of Humanities by choosing six hours of work from among the following: Art 107, Mathematics 151, Music 103 and/or 104, English Literature courses; and that the requirement of nine hours of Social Studies be met from the following courses: Psychology 201, and History 251, plus four additional hours.

Additional subject matter and professional courses to be taken during the fifth year of college will be determined by individual needs and backgrounds.

**Additional Requirements for the Dual Recommendation Certificate**

In addition to the requirements for all teacher education candidates above, students who wish to prepare for teaching at both the elementary and the sec-
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Secondary level must meet the combined Non-Professional and Professional requirements of the Elementary and Secondary Certificate Programs and should follow the recommendation for the elementary teacher candidate with regard to the nine hours of Humanities and the nine hours of Social Studies. Meeting the requirements for the Dual Recommendation Certificate will probably take more than the normal four years or eight semesters of time, but since two-thirds of the fifth year may be taken prior to teaching experience the eventual total of requirements is not increased. The remaining hours of the fifth year of college will be selected in terms of individual needs and backgrounds.

Requirements for Teaching at the Junior High School Level

Teaching at the junior high school level is authorized under both the Elementary and the Secondary Certificate. The non-professional and the professional requirements for students especially interested in the junior high school level of teaching will be adapted from one of the preceding programs to meet the needs of the individual.

Transfer and Post-Graduate Students

While these students must meet the basic requirements for admission to teacher education, due to their previous college work certain adaptations in the non-professional and professional requirements may be possible in individual cases. Each student's previous academic and professional work will be evaluated and a plan designed to meet his individual needs for certification under one of the preceding programs.

September Opening of the Public School

In the September preceding his junior or his senior year each student will be required to observe and to participate as an assistant to a classroom teacher in the activities and problems encountered during the opening days of school, either in his home town or in the Tacoma Public Schools. Plans and assignments for these experiences must be made in the preceding spring semester.

III. POST-GRADUATION REQUIREMENTS

Initial Teaching Experience

The period of initial teaching experience is on a full-time basis at a standard salary in a public elementary or secondary school and is regarded as an integral part of the program of teacher education. Teaching during this period is on a Provisional Certificate, which is valid for a three year period and renewable for three years upon completion of eight semester hours of the fifth college year and one year of successful teaching. The University of Puget Sound and the employing school district share responsibility for the guidance and supervision of the teacher during the initial teaching experience. During this period, supervisors from the University will visit the teacher and counsel with him and with his public school supervisors concerning his work.

Assistance in securing a teaching position will be given by the Teacher Placement Bureau of the University of Puget Sound. This service is open to all seniors and graduates of the School of Education and to other certified teachers who have taken at least twelve semester hours of work in residence.

Fifth Year of College Preparation

Under the regulations of the State Board of Education, teachers holding a Provisional Certificate have six years from the date of original issuance to complete the fifth year of college work. The following standards have been set up to serve as a guide for the fifth year.

1. The fifth year must be completed within five years after the first year of teaching, and at least eight semester hours of credit must be completed before the beginning of the fourth year of teaching. Upon satisfactory completion of the fifth year of college and two years of successful teaching, the teacher will be recommended for the Standard Certificate.

2. The teacher may choose the institution in which he wishes to complete his fifth year. In planning this year, he has several choices of institutions where he may do his work:
   a. If he wishes to take his fifth year in an out-of-state institution, his undergraduate college will be responsible for recommending him for the Standard Certificate upon successful completion of the work. The teacher must secure approval of his plan from his undergraduate institution.
   b. If he chooses to take his fifth year in the same institution in which he did his undergraduate work, that institution will recommend him for the Standard Certificate.
   c. If he elects to take his fifth year in another institution within the State of Washington, that institution will recommend him for the Standard Certificate, under its regulations for such students.
3. There are four provisions governing the pattern of work in the fifth college year:
   a. The fifth year must include a minimum of thirty semester hours, one-half of which must be at a level required of upper level or graduate students. It shall include study in both academic and professional fields. Twenty of the thirty hours may be taken prior to or during the first year of teaching.
   b. No more than eight semester hours of extension and/or correspondence study may be taken as part of the thirty semester hours of the fifth year.
   c. The preservice institution may designate fifth year requirements to the extent of one-half of the program, subject to the approval of the recommending institution. (The University of Puget Sound will require its graduates to take from 6 to 9 semester hours of professional work as a part of the fifth year.)
   d. A minimum of one-half of the fifth year shall be taken in residence in the recommending institution or in an approved out-of-state institution. Each institution, however, has the privilege of establishing its own residence requirement which may be more than this minimum.
   e. Since there may be some courses required by the undergraduate institution, those chosen should be selected through consultation with the college or university which will make the recommendation for the Standard Certificate. The major objective in the fifth college year should be growth of the teacher. The first year of teaching should indicate strengths and weaknesses which will guide in selecting studies that will increase teaching skill, add to general knowledge, and fill in gaps in the teacher's preparation. (The University of Puget Sound requires that one-half of the fifth year be in academic subjects, and more is recommended where feasible.)

4. It is the responsibility of each teacher to initiate the necessary steps for the approval and completion of the fifth year of college work.

A teacher who has taken the undergraduate work at another institution in the State and who wishes to complete the fifth year at the University of Puget Sound should notify the School of Education of his intention and have transcripts of his credits sent to the Registrar. In addition, before he is accepted, recommendations from the undergraduate college concerning plans and qualifications for the fifth year must be forwarded to the School of Education. A transferring student's cumulative grade point average must be at least 2.25, and his major subject average must be 2.50 or higher. Upon satisfactory completion of the last twenty hours in residence, the University of Puget Sound will recommend the candidate for the Standard Certificate. While a degree is not a prerequisite to recommendation for the Standard Certificate, one is recommended and will be granted upon completion of residence requirements.

A teacher who has taken his undergraduate work at the University of Puget Sound and who plans to take the fifth year at another institution within the State, should notify the School of Education and make application to the institution in which he plans to do his work. Upon written request, the School of Education will forward the appropriate credentials.

A teacher who completes the fifth-year at the University of Puget Sound may be eligible for the Bachelor of Education degree. With careful planning he may qualify for the Master of Arts or the Master of Education degree. The program set up for the fifth year shall take precedence and must be finished first.

**BACHELOR OF EDUCATION**

The degree of Bachelor of Education is a post-graduate degree conferred on students who have completed a fifth year of college and who have met the following standards:

1. Possession of a standard bachelor's degree from an accredited institution of higher learning;
2. Fulfillment of the requirements for a standard Washington State teaching certificate;
3. Completion of not less than thirty semester hours of college work after receipt of the bachelor's degree, one-half of which must be upper level or graduate credit;
4. Completion of not less than twenty-four semester hours of education, graduate and under-graduate, including the courses required for the certificate presented in Standard 2 above;
5. Attainment of a cumulative grade point average of 2.25 or higher for admission to, and completion of, the degree;
6. Fulfillment of the residence and credit requirements of the University of Puget Sound for a degree;
7. Work used for this degree may not be counted toward a master's degree.
GRADUATE STUDY

Master of Arts in Education

The statement of the general requirements for the degree of Master of Arts will be found elsewhere in the University catalog. In addition to satisfying these requirements, the candidate for the Master of Arts in Education degree must include in his graduate education courses (1) Statistical Methods; (2) Philosophy of Education, and (3) Introduction to Educational Research. (Ask the School of Education for a copy of the Programs of Study.)

Two years of successful teaching experience are required prior to receipt of the degree. Not more than ten semester hours of graduate credit can be applied toward the degree before the candidate has taught at least one year.

Master of Education

The Master of Education is a standard graduate degree designed for persons engaged in the various fields of education (teaching, guidance, supervision and administration) who prefer to substitute specific courses in their major areas of interest, or prepare a rather comprehensive seminar or field study paper, in lieu of the required thesis for the Master of Arts degree.

All standards and procedures for admission and scholarship shall be the same as for the Master of Arts candidates. (See Master of Arts program.) A total of twenty-four semester hours of undergraduate credit in education and fourteen hours in the minor (provided a minor is chosen) is considered a minimum for admission to graduate study. There will be a written final comprehensive examination over the major and minor studies, and an oral examination conducted by a committee appointed by the Dean of the Graduate School.

The basic academic requirement is thirty semester hours of graduate credit (A or B grade), including courses in (1) Statistical Methods, (2) Methods of Education Research, and (3) Philosophy of Education. Candidates may then choose one of two alternate plans for the completion of their degree requirements: Plan A, select the course in Educational Seminar (2 semester hours) and prepare a seminar paper; or Plan B, select six additional semester hours of course work under the direction of the major adviser (A course in advanced composition or creative writing is recommended.) A minor may be chosen in an academic subject in which case the candidate must present a minimum of twenty hours in education and the balance in the minor. If a minor is not chosen, ten to fifteen semester hours of pertinent graduate work in related academic subjects must be included in the total program. All graduate courses chosen to satisfy requirements shall be selected under the direction of the candidate's major adviser.

The major study in education may consist of a concentration in special fields of interest such as counseling and guidance, elementary and secondary school administration, educational tests and measurements and evaluation, elementary and secondary school curriculum, etc., or a combination of these fields. (Ask the School of Education for a copy of the Programs of Study.)

Credit may be given, at the discretion of the Graduate Council for graduate work in other institutions having similar standards for such work, but such credit may not exceed ten semester hours. Not more than six semester hours of credit by extension may be allowed, and no credit will be allowed for courses taken through correspondence. The extension work presented must be acceptable for credit toward a graduate degree in the institution which offered the work. Any transfer-credit is tentative until validated by a minimum of ten semester hours in residence. Graduate work older than six years will not count toward the degree.

Two years of successful teaching experience are required prior to receipt of the degree. Not more than ten semester hours of graduate credit can be applied toward the degree before the candidate has taught at least one year.

Application for graduation must be made not later than six months preceding the semester or summer session in which the degree is to be awarded.

UNDERGRADUATE COURSES

The courses listed in this section are primarily for undergraduates. Those courses marked with the symbol (G) may be taken for graduate credit and applied toward a master's degree if (1) approval is obtained from the Dean of the Graduate School and the School of Education, and if (2) extra work is done on a graduate level.

Introduction to Teaching — Education 201

Credit, 2 semester hours. Required for all certificates

This is an orientation course designed to acquaint students who are interested in teaching with the profession. In addition, it will serve as an exploratory course for those who have not yet made a vocational choice. There will be directed observation in the public schools, kindergarten through the senior high school, correlated with solid classroom work.
Psychological Foundations of Education — Education 202  
Credit, 3 semester hours. Prerequisite, General Psychology, Education 201, and a cumulative grade point average of 2.25 or higher. There are no exceptions to these prerequisites.

This course will center around a study of the psychological foundations underlying the education of the child. Basic principles of child, adolescent, and educational psychology will be studied. A project involving actual experience in working with children will be included.

Teaching in the Elementary School — Education 345  
Credit, 2 semester hours. Prerequisite, Education 202. Required for the Provisional Elementary Certificate.

This course will be concerned with general elementary school aims, materials, and methods. Special attention will be given to social studies in the elementary school. Observations in actual school situations will be arranged.

Teaching in the Secondary School — Education 347  
Credit, 2 semester hours. Prerequisite, Education 202. Required for the Provisional Secondary Certificate.

This course will be concerned with general secondary school aims, materials and methods, including the junior high school. Observations in actual classroom situations will be arranged.

Reading and the Language Arts — Education 349  
Credit, 2 semester hours. Prerequisite, Education 345. Required for the Provisional Elementary Certificate.

The Teaching of Arithmetic — Education 350  
Credit, 2 semester hours. Prerequisite, Education 345. Required for the Provisional Elementary Certificate.

Special Methods of Teaching Secondary School Subjects—Education 358  
Credit, 2 semester hours. Prerequisite, Education 347. Required for the Provisional Secondary Certificate.

Courses will be scheduled as needed, in either the first or second semester, to give training in methods of teaching specific subjects in the junior and senior high schools. Professors in the students' major department offer methods courses in the following fields: Business Education, English Language, Foreign Language, Health and Physical Education, Home Economics, Mathematics, Music, Science, Social Studies, and Speech.

Elementary School Student Teaching — Education 401  
Credit, 6 or 9 semester hours. Prerequisite, Education 345, 349, 350. Required for the Provisional Elementary Certificate.

Directed student teaching in the student's preferred grades of the public elementary schools, from 8:30-12:00 a.m. daily for a full semester. Seminars are held each Tuesday afternoon for two hours.

Secondary School Student Teaching — Education 403  
Credit, 6 or 9 semester hours. Prerequisite, Education 347 and 358. Required for the Provisional Secondary Certificate.

Directed student teaching in the student's major and minor fields of concentration at the junior or senior high school level for two or three clock hours daily during a full semester. Seminars are held each Monday afternoon for two hours.

State Manual of Washington — Education 410  
Credit, 1 semester hour. Not counted toward a major or minor in education. This course is recommended for out-of-state teachers and required for students who plan to prepare for school administrators.

Philosophical and Social Foundations of Education — Education 417  
Credit, 3 semester hours. Prerequisite or concurrent, Education 401 or 403. Required for all certificates.

This is a culminating course designed to tie together all previous educational and professional experiences into a meaningful whole.

The Study of the Child (G)  
See Psychology 425.

The Study of Adolescence (G)  
See Sociology 426.

Principles and Practices of Guidance — Education 437 (G)  
Credit, 3 semester hours.

Introduction to Counseling Techniques — Education 438 (G)  
Credit, 2 semester hours.

Educational Tests and Pupil Evaluation — Education 441 (G)  
Credit, 3 semester hours.
Creative Teaching — Education 446 (G)
Credit, 2 semester hours.

Improvement of Teaching the Language Arts — Education 448 (G)
Credit, 2 semester hours.

Improvement of Teaching the Social Studies — Education 452 (G)
Credit, 2 semester hours.
Materials and methods in the social studies for the elementary school.

Science Education — Education 453 (G)
Credit, 2 semester hours.
Materials in science for use in the elementary school.

Children's Literature and Books — Education 454 (G)
Credit, 2 semester hours.

Early Childhood Education — Education 457 (G)
Credit, 2 semester hours.

Audio-Visual Aids in Teaching — Education 460 (G)
Credit, 3 semester hours.

School Organization and Administration — Education 475 (G)
Credit, 3 semester hours.
A beginning course in the principles and methods of educational organization and administration.

Constructive School Discipline — Education 476 (G)
Credit, 2 semester hours.

Reading and Conference — Education 491, 492 (G)
Credit arranged. Open only to seniors with approval of the School of Education.

GRADUATE COURSES

Courses listed in this section are primarily for graduate students, although they may be elected by qualified seniors with permission of the School of Education.

Principles of Elementary Education — Education 512
Credit, 3 semester hours.
A critical study of the modern elementary school, with special references to philosophy, objectives, curriculum and methods.

Principles of Secondary Education — Education 513
Credit, 3 semester hours.
An advanced critical study of modern secondary education, including extended secondary education and the junior college.

History of Education — Education 515
Credit, 3 semester hours.
A study of educational theory and practice from early times to the present. Special attention will be given to American education.

Philosophy of Education — Education 516
Credit, 3 semester hours. Required for the Master of Arts in Education and the Master of Education degrees.
A study of the nature and meaning of philosophy as it relates to education, with an attempt to formulate a sound educational philosophy for the United States.

Moral and Spiritual Values in Education — Education 524
Credit, 3 semester hours.
This course is based upon the confidence that moral and spiritual values can grow in the context of teaching in any subject-matter. Time will be given to ways and means of accomplishing this within the framework of constitutional requirements.

Advanced Educational Psychology — Education 529
Credit, 3 semester hours.
Advanced study of the psychology of learning and teaching processes, with emphasis on the evaluation of current educational theories and practices in terms of psychological principles.

Vocational Guidance — Education 536
Credit, 3 semester hours.
Designed for counselors who give occupational and vocational information to youth and adults. Some practice will be given in the use of vocational tests.

Guidance: Organization and Administration — Education 537
Credit, 3 semester hours.
Principles in the planning, organization and administration of an effective guidance program.
Guidance: Supervised Practice — Education 539  
*Credit, 2 semester hours.*  
Laboratory experiences for students majoring in counseling and guidance.

Statistical Methods — Education 541  
*Credit, 3 semester hours. Required for the Master of Arts in Education and Master of Education degrees.*  
A study of the statistical procedures employed in dealing with educational, psychological and sociological data.

Principles of Public School Curriculum Planning — Education 545  
*Credit, 3 semester hours.*  
An advanced study of curricula and curriculum-making with special references to both elementary and secondary levels.

Teaching in the Junior High School — Education 546  
*Credit, 2 semester hours.*  
The aim of this course is to consider the aims and philosophy of junior high school education. Attention will be given to current developments.

Seminar in Supervising-Teacher Education — Education 573  
*Credit, 1 semester hour. Open to administrators and teachers who supervise student-teachers.*

Public School Organization and Administration — Education 575  
*Credit, 3 semester hours.*

Elementary School Administration and Supervision — Education 576  
*Credit, 3 semester hours.*

Junior High School Administration and Supervision — Education 577  
*Credit, 3 semester hours.*

High School Administration and Supervision — Education 578  
*Credit, 3 semester hours.*

Public School Finance — Education 582  
*Credit, 3 semester hours.*  
A study of the methods and problems of public school financing in the United States. Stress will be placed upon the study of typical states in comparison with the methods and problems of financing education in the State of Washington. A course for administrators, classroom teachers, and laymen interested in the problem of public school finance.

School and Community Relations — Education 586  
*Credit, 3 semester hours.*  
A re-study of the place of the school in the community, including use of the buildings for community functions, participation of the school personnel in community activities, and the use of community resources to further school purposes.

Laboratory Experience for Administrators — Education 590  
*Credit, 1 or 2 semester hours. Required for principals' credentials.*

Reading and Conference — Education 591, 592  
*Credit arranged. Open only to advanced students with the approval of the instructor.*

Introduction to Educational Research — Education 593  
*Credit, 2 semester hours. Required for the Master of Arts in Education and the Master of Education degrees. Prerequisite, Education 541.*  
A study of the basic methods employed in conducting research in education.

Seminar — Education 595  
*Credit and time arranged. Required for the Master of Education degree. Prerequisite, Education 593.*  
Individual investigation and group consideration of selected problems in the field of education.

Master's Thesis — Education 597, 598  
*Credit and time to be arranged. Prerequisite, Education 593.*

Workshops and Short Courses — Education 680-699  
*Credit arranged.*  
Each workshop will be assigned a number within the block set aside.
English

Associate Professors H. Simonson (Chairman), Hager, J. Wagner; Assistant Professors Myers, E. Wagner; Instructors Corkrum, Harrington, Jacobson, Lindley, C. Simonson

The Department of English includes three fields: composition, literature and journalism.

A major in English must include Courses 251 and 252, 451, 514, and five hours of American literature, with electives in either literature or composition to total twenty-eight hours of which fifteen must be upper-level.

A minor in English must include Course 451, with electives in literature or composition to total fifteen hours.

A major is not offered in Journalism. Students interested in a journalistic career are advised to minor in Journalism and to major in a discipline that will benefit them in their profession: e.g., English, history, political science, economics. Requirements for the minor are English 209, 210; English 215, 216 or 315, 316 or 415, 416; and seven additional hours of journalism.

Six hours of English composition are required of all students in the freshman year, but these courses may not be counted toward a major or minor.

I. COMPOSITION

English Composition — English 101, 102
Credit, 3 semester hours each semester.
A course in the writing of clear and effective expository prose, with emphasis upon organization, style, and maturity of thought. Personal criticism and individual conferences, augmented by reading and discussion of carefully chosen English and American selections.

English Prose Composition — English 105, 106
Credit, 3 semester hours each semester.
An intensive course in prose writing and reading, emphasizing independent, critical thinking. Required of freshmen not assigned to English 101, 102.

English Prose Composition — English 205, 206
Credit, 3 semester hours each semester. See English 105, 106 for description. For students admitted with advanced level standing.

Advanced Composition — English 301, 302
Credit, 2 semester hours each semester.

A practical course in advanced grammar and writing, especially recommended for majors who plan to teach. First semester: history of the language, grammar, and linguistics. Second semester: advanced prose writing.

Conference in Creative Writing — English 481, 482
Credit, 2 semester hours each semester. Registration only by permission of instructor or Department chairman.
A seminar for writers engaged in either fiction or non-fiction.

II. LITERATURE

At least one of Courses 131, 132, 251, 252, is a prerequisite for upper division literature courses, except English 321, 322 and 593 for which English 221 or 222 is prerequisite.

World Literature — English 131, 132
Credit, 3 semester hours each semester.
A study of classics selected from Ancient, Medieval, Renaissance, and Modern literature.

American Literature — English 221, 222
Credit, 3 semester hours each semester.
Colonial period to 1870; 1870 to the present. Designed to show the range of our literature, with emphasis upon the development of significant ideas in the growth of America.

Survey of English Literature — English 251, 252
Credit, 3 semester hours each semester.
A survey course covering the chief men and movements of English literary history from its beginning through the nineteenth century.

Studies in American Literature — English 321, 322
Credit, 2 semester hours each semester.
An intensive study of selected American writers.

Twentieth Century Poetry — English 341
Credit, 2 semester hours.
Modern poetry with emphasis upon Frost, Eliot, Auden, Yeats, and Pound.

Twentieth Century Fiction — English 342
Credit, 2 semester hours.
A close study of selected American, British, and Continental novelists.
Shakespeare — English 451
Credit, 3 semester hours.
A study of the principal plays of Shakespeare with examination of the sources.

Milton and His Contemporaries — English 453
Credit, 3 semester hours.
Milton and the contemporary metaphysical and cavalier poets.

The Age of Dryden, Pope, Swift, and Johnson — English 456
Credit, 3 semester hours.

The English Romantics — English 457
Credit, 3 semester hours.
A close reading of Wordsworth, Coleridge, Byron, Shelley, Keats and selected essayists.

The English Victorians — English 458
Credit, 3 semester hours.
A study of Victorian poetry and prose, with emphasis upon Tennyson, Browning, Arnold and the Pre-Raphaelites.

Early English Literature — English 467
Credit, 3 semester hours.
Old and Middle English prose and poets including Chaucer.

Literature of the English Renaissance — English 468
Credit, 3 semester hours.
Poetry and drama of the Renaissance excluding Shakespeare.

Reading in English — English 491, 492
Credit, 2 semester hours each semester. Open only to advanced students with consent of the instructor and the Department chairman.
Individual study of selected topics, with written papers and conferences.

Principles of Literary Criticism — English 514
Credit, 3 semester hours.
A survey of the principal literary critics from Aristotle to the New Critics.

Seminar in American Literature — English 593
Credit, 2 semester hours.
Introduction to literary theory, history, and research; use of bibliographical tools; special assignments. Especially recommended for English majors.

Seminar in English Literature — English 594
Credit, 2 semester hours.
See description for English 593.

Thesis — English 597, 598
Credit, 4 to 6 semester hours.

III. JOURNALISM

The journalism curriculum is designed not so much to train technicians as to help students achieve general sophistication which is the end of all liberal education. For this reason the Department keeps to a minimum the number of semester hours devoted to vocational or professional training and places its chief emphasis on developing the ability to obtain, analyze, and present information about contemporary public affairs.

English Prose Composition — English 105 (special section)
Credit, 3 semester hours each semester.
Expository prose with particular emphasis on current mass media. May be taken by journalism minors or with permission of instructor. Not counted in the hours for the minor.

News-writing and Editing — English 209, 210
Credit, 3 semester hours each semester. Required of all minors. English 209 is prerequisite to English 210.
The technique of the news-story. The first semester is devoted to straight news-writing. The second semester takes up specialized news-writing: editing; sports stories, society, features and radio news.

Trail Editorial Conference — English 215, 216; 315, 316; 415, 416
Credit, 1 semester hour each semester. Two semester hours required for all minors. Prerequisite, English 209, 210 or permission of instructor.
A writing laboratory for the staff of the University newspaper.

Advertising — English 323
See Business Administration 323.

Journalism Workshop — English 367, 368
Credit, 2 semester hours each semester.
First semester: writing of feature stories and special articles. Second semester: publicity, public relations, and editing special publications.
History of Journalism — English 370  
*Credit, 3 semester hours.*

Growth of the press since the Colonial period, stressing its cultural, social and political influence. Development of the great New York newspapers; the westward expansion; the sensational press and its influence on the Spanish-American War; consolidation of the great dailies. Challenges to journalism presented by World War II and the cold war.

**Foreign Languages**

Professor Tomlinson (Chairman); Associate Professors Bachimont, Martin; Assistant Professor E. Wagner; Instructor Lavaska

**CLASSICAL LANGUAGES**

Courses in Elementary and Intermediate Greek and Elementary and Intermediate Latin will be given if there is sufficient demand.

**MODERN LANGUAGES**

**Language Laboratory**

The Department of Languages provide a language laboratory which permits the student to train himself extensively in the use of the spoken form of the foreign language in which he is interested.

**FRENCH**

In a major in French, Courses 301, 302, 313, 314 (or 325, 326), 351 and 387, 388 should be included; in a minor, Courses 301, 302 and 351 are recommended.

Courses 101 and 102 are not counted in the hours for a major, nor Course 101 for a minor.

**Elementary French — French 101, 102**  
*Credit, 4 semester hours each semester.*

Introduction to the phonetics and grammar of the French language, reading of graded texts.

**Intermediate French — French 201, 202**  
*Credit, 3 semester hours each semester. Prerequisite, Course 102, or two years of high school French.*

Reading of modern French writers, review of grammar, oral and written composition, and conversation.

**Survey of French Literature — French 301, 302**  
*Credit, 3 semester hours each semester. Prerequisite, Course 202. Offered in alternate years. Given in 1961-62.*

**Development of French Drama — French 313, 314**  
*Credit, 3 semester hours each semester. Prerequisite, Course 202. Offered in alternate years. Given in 1961-62.*

The first semester is devoted to the study of the drama through the seventeenth century; the second semester, to modern dramatists.

**Development of the French Novel — French 325, 326**  
*Credit, 3 semester hours each semester. Prerequisite, Course 202. Offered in alternate years. Given in 1962-63.*

Lectures, reports, and discussion. Intensive study of some examples of the novel.

**Advanced Composition and Conversation — French 351**  
*Credit, 3 semester hours. Prerequisite, Course 202. Offered in alternate years. Given in 1961-62.*

**French Civilization — French 387, 388**  
*Credit, 2 semester hours each semester. Prerequisite, Course 202. Offered in alternate years. Given in 1962-63.*

Reading, lectures, and reports on France from the Middle Ages to the present.

**French Poetry and Explication de Textes — French 465**  
*Credit, 3 semester hours. Prerequisite, at least 6 upper-level credits in French. Offered in alternate years. Given in 1962-63.*

Critical study of the development of French poetry from the Pleiade to the present day.

**Contemporary French Literature — French 477, 478**  
*Credit, 3 semester hours each semester. Prerequisite, at least 6 upper-level credits in French. Offered in alternate years. Given in 1962-63.*

A study of twentieth-century novelists, poets, dramatists and essayists.
GRADUATE COURSES

Courses listed in this section are primarily for graduate students, although they may be elected by qualified undergraduates.

Seminar — French 503, 504  
Credit, 2 semester hours each semester.

Reading and Interpreting Old French Texts — French 511, 512  
Credit, 2 semester hours each semester.

Reading Conference — French 591, 592  
Credit, 1 or 2 semester hours each semester, and may be repeated once.  
Enrollment only on approval by the Chairman of the Department. Undergraduates accepted would register under the numbers 491, 492.  
Directed reading, oral and written reports, and discussion.

Thesis — French 597, 598  
Credit, 4 to 6 semester hours.

GERMAN

In a major, Courses 301, 302, 352, 388, 461, 462 should be included. In a minor, Courses 301, 302, 352, 388 are recommended.

Courses 101, 102 are not counted in the hours for a major, nor Course 101 for a minor.

Elementary German — German 101, 102  
Elementary, 4 semester hours each semester.  
Phonetics, fundamentals of German grammar, acquisition of a basic vocabulary, elementary composition and conversation; reading of graded texts of cultural interest.

Intermediate German — German 201, 202  
Credit, 3 semester hours each semester. Prerequisite, Course 102, or two years of high school German.  
Intensive study of several works of modern German writers, review of grammar; practice in oral and written German.

Survey of German Literature — German 301, 302  
Credit, 3 semester hours each semester. Prerequisite, Course 202. Offered in alternate years. Given in 1961-62.

Scientific German — German 311  
Credit, 3 semester hours. Prerequisite, Course 202, or approval by the instructor.  
Aims toward ability to read German in the student's field of special interest. Class work and conferences.

Advanced Composition and Conversion — German 352  
Credit, 3 semester hours. Offered in alternate years. Given in 1961-62.  

Deutschkunde — German 388  
Credit, 3 semester hours. Prerequisite, Course 202. Offered in alternate years. Given in 1962-63.  
A study and interpretation of the important cultural phases of German life and thought. Readings, lectures, reports.

Contemporary German Prose — German 461  
Credit, 3 semester hours. Offered in alternate years. Given in 1962-63.

Goethe's Faust — German 462  
Credit, 3 semester hours. Offered in alternate years. Given in 1962-63.  
Intensive study of the drama (Parts 1 and 2), its problems, philosophy, and sources, in connection with Goethe's life.

Reading Conference — German 491, 492  
Credit, 1 or 2 semester hours each semester, and may be repeated once.  
Directed reading and research in fields of student's special interest. Oral and written reports.

RUSSIAN

Elementary Russian — Russian 101, 102  
Credit, 4 semester hours each semester.  
Essentials of Russian grammar, oral and written practice, reading of graded texts.

Intermediate Russian — Russian 201, 202  
Credit, 3 semester hours each semester.  
Reading of suitable texts, review of grammar, oral and written composition.
**SPANISH**

In a major in Spanish, Courses 301, 302, 331, 332, 351, 352, 387 and 388 should be included; in a minor, Courses 301, 302, 352, 387 or 388 are recommended. Other upper-level courses may be substituted with approval by the Chairman of the Department. Courses 101 and 102 are not counted in the hours for a major, nor Course 101 for a minor.

**Elementary Spanish — Spanish 101, 102**  
*Credit, 4 semester hours each semester.*  
Essentials of grammar, use of simple Spanish orally and in writing; reading of graded texts.

**Intermediate Spanish — Spanish 201, 202**  
*Credit, 3 semester hours each semester. Prerequisite, Course 102, or two years of high school Spanish.*  
Readings from Spanish and Spanish-American writers, review of grammar, oral and written composition.

**Survey of Spanish Literature — Spanish 301, 302**  
*Credit, 3 semester hours each semester. Prerequisite, Course 202. Offered in alternate years. Given in 1961-62.*

**Survey of Spanish-American Literature — Spanish 331, 332**  
*Credit, 3 semester hours each semester. Prerequisite, Course 202. Offered in alternate years. Given in 1962-63.*

**Advanced Composition and Conversation — Spanish 351, 352**  
*Credit, 2 semester hours each semester. Prerequisite, Course 202. Offered in alternate years. Given in 1961-62.*  
Grammar review, oral and written composition and critical study of form.

**Spanish Civilization and Culture — Spanish 387, 388**  
*Credit, 2 semester hours each semester. Prerequisite, Course 202. Offered in alternate years. Given in 1962-63.*  
Study of the society, politics, geography, and arts of Spain and Spanish-America.

**Reading Conference — Spanish 491, 492**  
*Credit, 1 or 2 semester hours each semester, and may be repeated once. Admission only on approval of the Chairman of the Department.*  
Directed reading and research, oral and written reports.

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**Geography**

**World Geography — Geography 100**  
*Credit, 3 semester hours. Offered each semester.*

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**Geology**

Associate Professor Anderson (Chairman); Assistant Professor Lowther

Geology is the application of Biology, Chemistry, Mathematics, and Physics to the study of the earth. Thus a student who majors in Geology must have a thorough understanding of the principles of those disciplines in addition to those of his major field. The program of a student majoring in Geology will consist of approximately one-third Geology, one-third other areas of science and mathematics and one-third social studies and humanities (including English and Foreign Language).

A major in Geology must include the following courses: 101, 102, 201, 202, 301, 302, 360, 401, 403, 404, 406, and either 497 or 498. Surveying, Mathematics 224, is required of all majors and should be completed prior to taking Geology 360.

A minor in Geology must include courses 101, 102, and 8 additional hours from courses 201, 202, or 302.

The minor for a Geology major must be in the fields of Biology, Chemistry, Mathematics, Physics, or Economics.

Advanced Field Geology, Geology 360, is a summer field camp program. All majors should plan to take it in the summer session between their junior and senior years.

Geology 101, 102 will satisfy the University science requirement only if the student has one high school unit of biological science (Biology or Botany).

**Physical Geology — Geology 101**  
*Credit, 4 semester hours; 3 lectures and a two-hour laboratory.*  
A survey of the physical processes that act on and within the earth. It is essentially a study of the development of the present landscape.

**Historical Geology — Geology 102**  
*Credit, 4 semester hours. Prerequisite, Geology 101. 3 lectures and a two-hour laboratory.*
A survey of the historical development of the earth and its inhabitants, and the principles and methods that are employed in studying earth history.

Rocks and Minerals — Geology 151
Credit, 3 semester hours. Prerequisite, Geology 102. Not counted toward a major in Geology or laboratory science requirement without departmental approval.

The objective of the course is to enable teachers and amateur geologists to become well acquainted with the significant physical properties of the common rocks and minerals. Each student will be required to purchase a set of rocks and minerals, approximately $10.00. One or two one-day field trips will be taken.

Life of the Past — Geology 152
Credit, 3 semester hours. Prerequisite, Geology 102. Not counted toward a major in Geology or laboratory science requirement without departmental approval.

An introduction to the various kinds of animals and plants that have inhabited the earth through geologic time. Designed primarily for school teachers and amateur geologists, this course stresses the practical aspects of Paleontology through field trips and laboratory exercises in the identification of fossils. Two or three one-day field trips will be taken.

Mineralogy — Geology 201
Credit, 4 semester hours; three lectures and a three-hour laboratory. Prerequisite, Geology 101, or equivalent; and General Chemistry is recommended.

Petrology and Field Methods — Geology 202
Credit, 4 semester hours; three lectures and a three-hour laboratory. Prerequisite, Course 201. Field trips required.

Structural Geology — Geology 301
Credit, 4 semester hours; three lectures and a three-hour laboratory.

Paleontology — Geology 302
Credit, 4 semester hours; three lectures and a three-hour laboratory.

Advanced Field Geology — Geology 360
Credit, 5 semester hours; offered in summer session only. Given as there is demand.

Stratigraphy and Sedimentation — Geology 401
Credit, 3 semester hours; two lectures and one three-hour laboratory.

Seminar in Advanced Historical Geology — Geology 403
Credit, 1 semester hour.

Geomorphology — Geology 404
Credit, 3 semester hours; two lectures and one three-hour laboratory.

Seminar in Advanced Physical Geology — Geology 406
Credit, 1 semester hour.

Special Topics — Geology 450
Credit, 1-4 hours each semester. Given as there is demand.

Undergraduate Research — Geology 497, 498
Credit, 2 semester hours each semester. One semester required of all majors.

GERMAN
(See Foreign Languages)

GREEK
(See Foreign Languages)
History

Professors Shelmidine (Chairman), Coulter; Associate Professors
Tomlinson, Thomas

A major in history must include Courses 101 and 102, or 151 and 152, and
a seminar, with sixteen additional hours of which ten should be in upper-
level courses.
A minor in history must include Courses 101 and 102, or 151 and 152, and
additional hours in upper-level courses to complete the total of fifteen.

Survey of World History — History 101, 102
Credit, 3 semester hours each semester.

History of the United States — History 151, 152
Credit, 3 semester hours each semester.

The Ancient World — History 201, 202
Credit, 2 semester hours each semester.

History of the Pacific Northwest — History 251
Credit, 2 semester hours.
A comprehensive regional survey of the Pacific Northwest and of the
history and government of the State of Washington.

History of England and the British Empire — History 311, 312
Credit, 3 semester hours each semester.

History of the Near East — History 315, 316
Credit, 3 semester hours each semester.

The Middle Ages — History 321, 322
Credit, 2 semester hours each semester. Offered in alternate years. Given in
1962-63.

The Renaissance — History 323
Credit, 2 semester hours. Offered in alternate years. Given in 1961-62.

The Reformation — History 324
Credit, 2 semester hours. Offered in alternate years. Given in 1961-62.

Europe in the Eighteenth Century — History 325
Credit, 2 semester hours. Offered in alternate years. Given in 1961-62.

The French Revolution and Napoleon — History 326
Credit, 2 semester hours. Offered in alternate years. Given in 1961-62.

The Economic History of Europe — History 329, 330
Credit, 2 semester hours each semester. Offered in alternate years. Given in
1961-62.

The Colonial Period of American History — History 351
Credit, 3 semester hours. Offered in alternate years. Given in 1961-62.

The Rise of American Democracy — History 352
Credit, 3 semester hours. Offered in alternate years. Given in 1961-62.

History of Russia — History 365, 366
Credit, 2 semester hours each semester. Offered in alternate years. Given in
1961-62.

History of the Far East — History 371, 372
Credit, 2 semester hours each semester. Offered in alternate years. Given in
1962-63.

The History of Latin America — History 375, 376
Credit, 2 semester hours each semester.

Recent History of Europe — History 411, 412
Credit, 3 semester hours each semester.
The period covered is from 1815 to the present.

History of the United States from 1865 to 1900 — History 451
Credit, 3 semester hours. Offered in alternate years. Given in 1962-63.

History of the United States in the Twentieth Century — History 452
Credit, 3 semester hours. Offered in alternate years. Given in 1962-63.

Reading and Conference — History 491, 492
Credit, 2 semester hours each semester. Open to majors only.

Seminar in American History — History 493, 494
Credit, 2 semester hours each semester.

Seminar in European History — History 497, 498
Credit, 2 semester hours each semester.

Thesis — History 597, 598
Credit, 4 to 6 semester hours.
Home Economics

Assistant Professors Bowers (Chairman), Hall, Lavinder

Students who major in home economics may earn the degree of Bachelor of Arts in Home Economics, or Bachelor of Science in Home Economics.

Any major in Home Economics must include courses 101, 102, 105, 106, 201, 202, 301, 328, 351, 361, 364, and 411. However, to be recommended as a professional home economist or for a graduate appointment, a student must offer four additional hours of upper-level work.

Students who plan to apply for dietetic internship must satisfy the requirements of the American Dietetic Association. See page 77.

The courses to satisfy minors will be determined in conference on the basis of the student's objectives.

Students who wish to teach Home Economics will major in Home Economics, and must also satisfy the requirements of the School of Education.

Textiles — Home Economics 101, 102
Credit, 2 semester hours each semester.
Study of natural and synthetic fibers; identification of physical and chemical characteristics and manufacturing processes of finished fabrics; field-trips, reports, and care of modern textiles. Two recitations.

Clothing Construction — Home Economics 105, 106
Credit, 2 semester hours each semester.
Selection of suitable design, patterns, and materials applied to the personality and needs of the individual; emphasis on pattern-analysis, sewing techniques and skills. Two two-hour laboratory periods.

Nutrition (Nurses Course) — Home Economics 111
Credit, 2 semester hours.

Diet Therapy (Nurses Course) — Home Economics 112
Credit, 2 semester hours.

Marriage and the Home — Home Economics 121
See Sociology 121.

Foods — Home Economics 201
Credit, 3 semester hours.
Basic principles of food preparation and purchasing, some experimental studies with food, kitchen planning, nutrition.

Meal Planning and Preparation — Home Economics 202
Credit, 3 semester hours.
Selection, preparation and service; menu planning and meal service. One recitation, two two-hour laboratory periods.

Nutrition — Home Economics 301
Credit, 3 semester hours.
Nutritive value of foods from the standpoint of newer scientific investigation; selection of optimal diet for health; recent trends in American dietary habits.

Diet Therapy — Home Economics 302
Credit, 3 semester hours.

Weaving — Home Economics 315
See Occupational Therapy 315.

The Family — Home Economics 321
See Sociology 321.

Child Development — Home Economics 328
Credit, 3 semester hours. Prerequisite, Psychology 201.
Includes study of the growth and development of the normal pre-school child; observation in nursery-school. Two recitations, one three-hour observation.

Costume and Culture — Home Economics 330
Credit, 2 semester hours.
A critical study of costume.

Related Art — Home Economics 351, 352
Credit, 3 semester hours. Prerequisite, Art 103, 104.
Includes study of the practical application of art principles to home and personal use. Three recitations.

Household Management — Home Economics 361
Credit, 3 semester hours.
Use of family resources, time, energy, money, mental and spiritual abilities in attaining desired values for the family and the individual.

Personal and Family Finance — Home Economics 364
Credit, 2 semester hours.
See Business Administration 364.
Home Planning and Design — Home Economics 409
Credit, 3 semester hours.
A study of home planning to meet the family's specific needs in location, cost, size, and personal interests.

Essentials of Interior Design — Home Economics 411
See Art 411.

Tailoring — Home Economics 422
Credit, 2 semester hours. Prerequisite, Courses 105, 106. Offered in alternate years. Given in 1961-62.
Principles of tailoring; planning and construction of coats and suits. Two two-hour laboratory periods.

Advanced Food Preparation — Home Economics 432
Credit, 2 semester hours. Prerequisite, Courses 201, 202. Offered in alternate years. Given in 1962-63.
Study of food from historical, social and economic viewpoints; foreign food; techniques of demonstration.

Quantity Cookery — Home Economics 461
Credit, 3 semester hours. Offered in alternate years. Given in 1961-62. Enrollment only by permission of the Chairman of the Department.

Food Service Administration — Home Economics 462
Credit, 3 semester hours. Offered in alternate years. Given in 1961-62. Enrollment only by permission of the Chairman of the Department.

Textile Design — Home Economics 478
See Art 478.

Directed Study and Conference — Home Economics 491, 492
Credit and time to be arranged. Enrollment only by permission of instructor. Individual study, reading, written reports and conferences.

LATIN
(See Foreign Languages)

Mathematics

Associate Professors Goman (Chairman), Lantz; Instructor Jakeman

Preparation for college mathematics should include as many of the basic high school mathematics courses as a student can obtain. In studying mathematics, the student should emphasize the logical development of the general theory as well as the techniques involved. Course placement for the entering freshman will be determined by the result of the College Board Tests and by an interview.

A major in mathematics will include at least 12 upper-level hours in mathematics. A minor in mathematics will include a sequence of courses that will extend at least through the calculus.

Intermediate Algebra — Mathematics 103
Credit, 3 semester hours. Prerequisite, pre-entrance test.
Basic algebraic manipulations and the resolution of linear and quadratic equations.

College Algebra and Trigonometry — Mathematics 111
Credit, 4 semester hours.
Fundamental functional relationships, ratio, proportion, determinants, mathematical induction, trigonometric relationships with the emphasis on identities and the solution of oblique triangles.

Analytic Geometry and Calculus — Mathematics 112
Credit, 4 semester hours. Prerequisite, Mathematics 111, or evidence of sufficient mathematical maturity.

Mathematics of Finance — Mathematics 116
See Business Administration 116.

Engineering Drawing — Mathematics 131
Credit, 3 semester hours. Prerequisite, elementary algebra and plane geometry.

Descriptive Geometry and Engineering Drawing — Mathematics 132
Credit, 3 semester hours. Prerequisite, Course 131.

Basic Concepts of Mathematics — Mathematics 151
Credit, 3 semester hours.
The course is designed for the student that wishes to know something about the philosophy of mathematics, but doesn't have the time to develop
the necessary techniques involved. It might be said to develop an appreciation for mathematics.

Analytic Geometry and Calculus — Mathematics 211, 212
Credit, 4 semester hours each semester. Prerequisite, Mathematics 112.

Surveying — Mathematics 224
Credit, 3 semester hours. Prerequisite, Course 111.
The use of surveying instruments, basic computations, methods and procedures of U. S. public land surveys.

Credit, 2 semester hours each semester. Prerequisite, Mathematics 112.
Statics in the first semester, slide rule, various types of force systems, graphic and analytical methods for determining stress, centroids and moments of inertia; dynamics in the second, rectilinear and curvilinear motion, rotation, plane motion, work, energy and power.

Ordinary Differential Equations — Mathematics 301
Credit, 3 semester hours. Prerequisite, Course 212.

Advanced Mathematical Topics for Scientists — Mathematics 304
Credit, 3 semester hours.
Fourier series, boundary value problems, transforms, Bessel and Legendre polynomial, orthogonal and orthogonal functions and methods for solution for partial differential equations.

Higher Algebra — Mathematics 333, 334
Credit, 3 semester hours each semester. Prerequisite, Course 212, or permission of the instructor.

Elements of Statistics — Mathematics 371
Credit, 2 semester hours. Required for psychology and sociology majors.

Advanced Calculus — Mathematics 401, 402
Credit, 3 semester hours each semester. Course 212 is prerequisite to 401, and 401 to 402.

Vector Analysis — Mathematics 431
Credit, 3 semester hours. Permission of the instructor required.

Introduction to Mathematical Statistics — Mathematics 433, 434
Credit, 3 semester hours each semester. Prerequisite, Course 212.

Independent Study — Mathematics 491, 492
Credit, 2 to 4 semester hours. Open only to qualified students.

Seminar — Mathematics 493, 494
Credit, 2 semester hours.

The School of Music

Professors Rodgers (Director), Jacobsen, Fisher; Associate Professor Ostransky; Assistant Professors Myles, Wheeler, Oncley; Instructors Patterson, Herlinger, Seferian, Margelli, Sackrison, Meddaugh

The University of Puget Sound is a Member of the National Association of Schools of Music.
The School of Music offers courses leading to the Bachelor of Music degree, the Bachelor of Arts degree with a major in music and the Master of Music degree.
The School sponsors the following activities: Adelphian Concert Choir, of forty mixed voices, admittance being by audition only; University Madrigal Singers, of twelve mixed voices, specializing principally in performance of vocal music of the 16th and 17th centuries; University of Puget Sound-Tacoma Symphony Orchestra, whose membership consists of university students and residents of the community; Tacoma Choral Society, a large mixed chorus drawing its membership from university students and residents of the surrounding area, performing large choral works with the symphony orchestra, including the annual performance of Messiah at Christmas time; Concert Band; Opera Workshop; small vocal and instrumental ensembles; concerts and recitals by faculty, visiting artists and students.

All students who are minors in music are expected to attend a majority of the concerts, (faculty, visiting artist and student) sponsored by the School of Music. All students who are music majors (Bachelor of Arts, Bachelor of Music or Master of Music) are required to attend a majority of such concerts and recitals.

The following curricula are offered to fulfill the minimum music requirements of the Bachelor of Music degree:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Music, with Major in Cello or Violin:</td>
<td></td>
</tr>
<tr>
<td>Violin or Cello&lt;sup&gt;1&lt;/sup&gt;</td>
<td>32</td>
</tr>
<tr>
<td>2 Lessons per week, 3 or more hours of practice daily, 4 credits per semester.</td>
<td></td>
</tr>
<tr>
<td>Piano</td>
<td>4</td>
</tr>
<tr>
<td>Theory 101, 102; 201, 202; 301, 302; 309, 310</td>
<td>26</td>
</tr>
<tr>
<td>Music Literature 303, 304</td>
<td>6</td>
</tr>
<tr>
<td>Conducting 307, 308</td>
<td>4</td>
</tr>
<tr>
<td>Ensembles&lt;sup&gt;2&lt;/sup&gt;</td>
<td>4</td>
</tr>
<tr>
<td>Music Electives</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>80</td>
</tr>
</tbody>
</table>

| Bachelor of Music, with Major in Organ: | |
| Organ<sup>1</sup> | 32 |
| 2 lessons per week, 3 or more hours of practice daily, 4 credits per semester. | |
| Piano<sup>3</sup> | 4 |
| Theory 101, 102; 201, 202; 301, 302; 309, 310 | 26 |
| Music Literature 303, 304 | 6 |
| Conducting 307, 308 | 4 |
| Ensembles<sup>2</sup> | 4 |
| Music Electives, must include 4 hours of music literature | 6 |
| | 80 |
### Bachelor of Music, with Major in Voice:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voice</strong></td>
<td>32</td>
</tr>
<tr>
<td>2 lessons per week, 2 or more practice hours daily, 4 credits per semester.</td>
<td></td>
</tr>
<tr>
<td><strong>Piano</strong></td>
<td>4</td>
</tr>
<tr>
<td>1 lesson per week, 1 credit per semester.</td>
<td></td>
</tr>
<tr>
<td>Theory 101, 102; 201, 202; 301, 302</td>
<td>20</td>
</tr>
<tr>
<td>Music Literature 103, 104; 303, 304</td>
<td>10</td>
</tr>
<tr>
<td>Conducting 307, 308</td>
<td>4</td>
</tr>
<tr>
<td>Ensemble®</td>
<td>4</td>
</tr>
<tr>
<td>Music Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>80</td>
</tr>
</tbody>
</table>

### Bachelor of Music, with Major in Piano:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Piano</strong></td>
<td>32</td>
</tr>
<tr>
<td>2 lessons per week, 3 or more hours practice daily, 4 credits per semester.</td>
<td></td>
</tr>
<tr>
<td>Theory 101, 102; 201, 202; 301, 302; 309, 310</td>
<td>26</td>
</tr>
<tr>
<td>Music Literature 303, 304</td>
<td>6</td>
</tr>
<tr>
<td>Conducting 307, 308</td>
<td>4</td>
</tr>
<tr>
<td>Ensembles, Piano Ensembles and other ensembles</td>
<td>4</td>
</tr>
<tr>
<td>Accompanying 251, 252</td>
<td>2</td>
</tr>
<tr>
<td>Music Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>80</td>
</tr>
</tbody>
</table>

### Bachelor of Music, with Major in Theory and Composition:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Applied Music</strong></td>
<td>16</td>
</tr>
<tr>
<td>2 lessons per week, 1 or more hours practice daily, 2 credits per semester</td>
<td></td>
</tr>
<tr>
<td>Theory 101, 102; 201, 202; 301, 302; 309, 310; 315, 316; 401, 402</td>
<td>34</td>
</tr>
<tr>
<td>Music Literature 103, 104; 303, 304</td>
<td>10</td>
</tr>
<tr>
<td>Conducting 307, 308</td>
<td>4</td>
</tr>
<tr>
<td>Ensembles</td>
<td>6</td>
</tr>
<tr>
<td>Music Electives, must include other theoretical studies under 501, 502</td>
<td>10</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>80</td>
</tr>
</tbody>
</table>

### Bachelor of Music, with Major in Music Education:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Applied Music (Major Instrument)</strong></td>
<td>6</td>
</tr>
<tr>
<td>1 lesson per week, 1 or more hours practice daily, 1 credit per semester.</td>
<td></td>
</tr>
<tr>
<td>Applied Music (Minor Instrument)*</td>
<td>2</td>
</tr>
<tr>
<td>1 lesson per week, 1 or more hours practice daily, 1 credit per semester.</td>
<td></td>
</tr>
<tr>
<td>Theory 101, 102; 201, 202; 309*, 312*</td>
<td>22</td>
</tr>
<tr>
<td>Music Literature 303, 304</td>
<td>6</td>
</tr>
<tr>
<td>Conducting 307, 308*</td>
<td>4</td>
</tr>
<tr>
<td>Ensemble*</td>
<td>6</td>
</tr>
<tr>
<td>Music Education 279, 280; 378, 379; 479*, 480*</td>
<td>7</td>
</tr>
</tbody>
</table>

#### Secondary Teachers 53

- Elementary Teachers 43

(See following under "Dual Recommendation"

The School of Music requires of Music Education majors the completion of specific requirements for secondary piano (functional piano facility) prior to graduation.

Psychology 201 and Northwest History 251 are required of all Music Education majors. These can be counted toward the general university requirements in Social Studies.

**Elementary Teachers** — An elementary music teacher will major in music as previously indicated (43 semester hours minimum) and minor in some other academic field (15 semester hours). In addition, specific University requirements and the following courses must be completed:

1. **Non-Professional Requirements:** Geography 100; Art 101 and 461; Speech 101; Health and P.E. 365.
2. **Professional Requirements:** Education 201, 202, 345, 410**, 349, 350, 401, 417, September Experience.

**Secondary Teachers** — A secondary music teacher will major in music as previously indicated (53 semester hours minimum) and minor in some other academic field (15 semester hours).

*Elementary teachers omit Music 308, 309, 312, 479, 480.
In addition to specific University requirements, the following courses must be completed:


Dual Recommendation — A student may elect to seek the Provisional Certificate in both the elementary and secondary levels. In such cases a minimum of nine semesters will be necessary to complete the prescribed course of study. Students electing this plan will consult with the Director of the School of Music as to specific courses to be taken in the field of music (43 to 53 semester hours depending upon the area of interest of the student). A minor in some other academic field (15 semester hours) is also required in addition to specific University requirements and the following courses:

1. Non-Professional Requirements: Geography 100; Art 101 and 461; Speech 101; Health and P.E. 365.

Note: In each of the three plans the student must maintain a cumulative grade point average of 2.25 as well as 2.50 in music and 2.50 in the minor field.

Bachelor of Music, with a Major in Church Music, concentrating in Voice or Organ:

** Semester Hours

Voice or Organ (Major Instrument) ........................................... 24
Freshman and Sophomore years: 2 lessons per week, 1 or more
hours of practice daily, 2 credits per semester.
Junior and Senior years: 2 lessons per week, 2 or more hours
of practice daily, 4 credits per semester.

Secondary Applied Instrument7 ........................................... 2
Theory 101, 102; 201, 202 ........................................... 16
Music Literature 303, 304 ........................................... 6
Church Music 213, 214; 313, 314; 349, 350 (for organists);
414; 415, 416 ........................................... 14-16
Conducting 307, 308 ........................................... 4
Ensemble2 .................................................................... 6
Music Electives ......................................................... 4

Music Electives, including 2 upper-level hours .................. 16

Music Major for the Bachelor of Arts:

Applied Music ................................................................ 8
1 lesson per week, 1 or more hours of practice daily,
1 credit per semester.
Theory 101, 102 ........................................... 8
Music Literature 103, 104; 303, 304; 431, 432; or 433, 434 ........................................... 14
Music Electives ......................................................... 4

Music Major for the Bachelor of Arts with a concentration in Church Music and Religious Education:

Applied Music ................................................................ 8
Theory 101, 102 ........................................... 8
Music Literature 103, 104 ........................................... 4
Church Music 213, 214; 313, 314; 414, 415, 416 ........................................... 14
Conducting 307, 308 ........................................... 4
Ensemble2 .................................................................... 2
Music Electives ......................................................... 4

Music Minor for the Bachelor of Arts:

Applied Music ................................................................. 4
Music Literature 103, 104 ........................................... 4
Music Electives, including 2 upper-level hours .................. 8

1 Up to 6 credit hours may be waived by special examination.
2 Ensemble required each semester of residence.
3 Unless waived by special examination.
4 At least 8 credits must be taken in piano unless waived by special examination. Applied music to continue throughout the 4 years. At least one semester each in the study of 3 orchestral instruments to include one instrument in each section of the orchestra—i.e., strings, woodwinds, and brass.
5 Generally piano, except when piano is the major instrument.
6 At least one major ensemble (Band, Orchestra, Chorus) must be taken each semester. Instrumental majors are required to take at least two consecutive semesters of chorus. Additional ensembles, without credit, may be required at the discretion of the Director of the School.
7 Piano or organ if the concentration is voice; voice if the concentration is organ.

The curricula for a major or minor in music with a Bachelor of Arts degree are:
Graduate Study

The following curricula are offered to fulfill the minimum requirements of the Master of Music degree:

General Plan

The Master of Music degree is offered in music education, theory and composition, and applied music, the latter with a concentration in voice, piano, organ or orchestral instrument.

Prior to admission to candidacy for the degree, the student must demonstrate by examination suitable knowledge and skills as follows:

1. harmony — written and keyboard;
2. sight singing and melodic, harmonic and rhythmic dictation;
3. the history and literature of music and musical form;
4. major instrument or voice;
5. piano, equivalent to the undergraduate requirements for the music education major at the University of Puget Sound (to the extent of ability to play easy accompaniments, folksongs and chorales).

Deficiencies in these areas must be made up by taking undergraduate work or refresher courses without credit toward the master's degree.

Master of Music in Music Education:

In addition to the prerequisites stated previously, the candidate in Music Education must have completed a combined total of 30 semester hours of undergraduate study in Education and Music Education, and must have completed his student teaching. All candidates must demonstrate a competence in conducting. Instrumental majors are required to take a qualifying examination in orchestration and show a functional knowledge of wind, string and percussion instruments. Any deficiencies in these areas may be made up with work on the undergraduate level, two hours of which may apply toward the master's degree if the courses are from the upper-level division.

Candidates with exceptional performing ability may, with the approval of the graduate music faculty, credit toward the master's degree an additional two hours of applied music to be deducted from the elective requirement.

Candidates qualifying for this option are required to give a public recital for which they will receive an additional three hours of credit. In lieu of a major thesis these candidates are permitted to complete a minor thesis for which three hours of credit will be given.

(1) In Voice — In addition to the prerequisites stated under the general plan for the Master of Music degree, the candidate in voice must demonstrate performance consistent with the graduate level of achievement in voice, and must demonstrate a familiarity with the pronunciation of Italian, German, French and Latin.

The candidate must show an adequate repertoire consisting of at least six classical Italian songs, ten German Lieder; eight classical or modern French songs, six standard operatic arias, and four oratorio arias; and he must be prepared to demonstrate examples of each in his applied entrance examination.

| Applied Music | 6 |
| Stylistic Analysis | 3 |
| Research and Bibliography | 3 |
| Music History and Literature (Elective) | 4 |
| Graduate Seminar in Music Education | 3 |
| Thesis 519, 520 | 6 |
| Electives | 7 |

Master of Music in Applied Music:

Applied major performance field | 8 |
Ensemble (selected from upper level undergraduate courses) | 2 |
Recital Music 522 | 4 |
Special Studies 501, 502 | 4 |
Research and Bibliography 509 | 3 |
Graduate Seminar and Thesis 510 | 2 |
Stylistic Analysis 513 | 3 |
Pedagogy of Major Instrument or Voice 551 | 1 |
Electives | 5 |

May be chosen from Music, Education or Arts and Sciences. | 32 |
(2) In Piano — In addition to the prerequisites stated under the general plan for the Master of Music degree, the candidate in piano must have a balanced repertory of the piano literature comprising such representative works as:
Bach: A Suite as well as Preludes and Fugues; Beethoven: one of the later Sonatas; Mozart: Sonatas; Chopin: ballades or scherzos and études; Debussy: preludes; Ravel: Mirrors; compositions by 20th century composers and at least one concerto. Candidates must have had considerable experience in ensemble playing and should be capable sight readers.

(3) In Organ — In addition to the prerequisites stated under the general plan for the Master of Music degree, the candidate must have acquired ability in transposition at sight, open score reading and improvisation. He must have a balanced repertory of the organ literature of all schools, classic, romantic, and modern, of the degree of difficulty indicated by the following:
Bach: (Schirmer Edition) Book IV — Fantasy and Fugue in G minor; Book V — Sonatas; Franck: chorales, Piece Heroique; Widor: Symphony No. V; Mendelssohn: sonatas; Reger: Passacaglia and Fugue, choral preludes; compositions of the same grade of difficulty by representative contemporary American and foreign composers.

(4) In other Orchestral Instruments — In addition to the prerequisites stated under the general plan for the Master of Music degree, the candidate must show knowledge of the literature for his instrument and demonstrate advanced sight-reading ability and performance consistent with the graduate level of achievement in solo or ensemble or both.

Master of Music in Theory-Composition:

In addition to the prerequisites stated under the general plan for the Master of Music degree, the candidate in composition and theory should have completed courses in composition (one year), counterpoint including canon; show a reasonable knowledge of orchestral instruments; and furnish evidence of preparation and previous work in composition which is acceptable to the School of Music.

Semester Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Composition 515</td>
<td>5</td>
</tr>
<tr>
<td>Historical Survey of Theory 516</td>
<td>3</td>
</tr>
<tr>
<td>20th Century Composing Techniques 511</td>
<td>3</td>
</tr>
<tr>
<td>Stylistic Analysis 513</td>
<td>3</td>
</tr>
<tr>
<td>Ensemble or Accompanying (upper level undergraduate course)</td>
<td>2</td>
</tr>
<tr>
<td>Special Studies 501, 502</td>
<td>4</td>
</tr>
<tr>
<td>Research and Bibliography 509</td>
<td>3</td>
</tr>
<tr>
<td>Graduate Seminar and Thesis(^\ast) 510</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>7</td>
</tr>
</tbody>
</table>

May be chosen from Music, or Arts and Sciences with the approval of the major advisor.

The courses are arranged in groups under the headings of theory, history and literature, church music, choral and ensemble courses, applied music, public school music, and graduate courses.

I. THEORY

First-Year Theory — Music 101, 102
Credit, 4 semester hours each semester. Course 101 is a prerequisite for 102. Fundamentals of musicianship developed through a correlation of aural, visual, manual and vocal experience based on the major and minor scales and major and minor triads, inverted and uninvverted. Special emphasis placed on rhythmic, melodic and harmonic dictation; sight-singing; elementary written and keyboard harmony. Five periods weekly, extra aural drill as required.

Second-Year Theory — Music 201, 202
Credit, 4 semester hours each semester. Prerequisite, Courses 101, 102.
A continuation of the fundamental approach of Courses 101, 102. Analysis of chorales; study and dictation of 7th chords, altered chords, augmented 6th chords and modulation. Emphasis placed on 4-part harmonic dictation; melodic dictation involving modulation, chromatic and modal melodies. Second semester devoted principally to the study and writing of counterpoint based on contrapuntal techniques of the 18th century. Five periods weekly plus one weekly period of aural drill.
Analysis of Form and Texture in Music — Music 301, 302  
Credit, 2 semester hours. Prerequisite, Courses 201, 202.  
Analytical technique involving the smaller forms of musical composition as well as the variation, rondo and sonata-allegro forms.

Orchestration — Music 309  
Credit, 3 semester hours. Prerequisite, Courses 201, 202.  
Study of instrumentation; scoring for classical and romantic orchestra. Three periods weekly. Attendance at certain orchestra and band rehearsals required.

Orchestration (For Bachelor of Music Students Other Than Music Education Majors) — Music 310  
Credit, 3 semester hours. Prerequisite, Course 309.  
Scoring for the modern orchestra, and of original compositions. Three periods weekly. Attendance at certain orchestra rehearsals required.

Band Arranging (For Music Education Majors) — Music 312  
Credit, 3 semester hours. Prerequisite, Course 309.  
Principles of arranging and scoring for wind-based ensembles such as school regimental and symphonic bands with special emphasis on problems of arranging for groups of limited ability. Three periods weekly. Attendance at certain band rehearsals required.

Composition — Music 315, 316  
Credit, 2 semester hours each semester. Prerequisite, Courses 201, 202.  
Creative expression in the larger forms through writing for various instrumental media, solo and ensemble. Three periods weekly.

Advanced Composition — Music 401, 402  
Credit, 2 semester hours each semester. Prerequisite, Courses 313, 316.  
A continuation of Courses 315 and 316. Three periods weekly.

II. HISTORY AND LITERATURE

Introduction to Music Literature — Music 103, 104  
Credit, 2 semester hours each semester.  
A non-technical study of the development of music, stressing the elements of musical understanding; study of representative compositions, with emphasis on their musical and historical importance. Two lecture periods weekly.

Anatomy of Jazz — Music 215  
Credit, 2 semester hours.  
A survey course covering the development of jazz from its Civil War beginnings to the present, and its sociological impact on American society. Principal styles of jazz— New Orleans, Pre-Swing, Swing, Bop, Cool, Contemporary—are studied through the music of such representative jazzmen as King Oliver, Fletcher Henderson, Louis Armstrong, Benny Goodman, Charlie Parker, Miles Davis, Duke Ellington, Count Basie, John Lewis and Sonny Rollins.

History of Music in Western Civilization — Music 303, 304  
Credit, 3 semester hours each semester. Admission only with approval of the instructor.  
A survey of the history of music from primitive times to the present with special emphasis on the stylistic and formal developments of music and the important movements in the history of music. Three lecture periods weekly and one listening period.

History of Opera — Music 331  
Credit, 2 semester hours.  
An appreciation course covering the history of opera from early Florentine operas of Peri and his contemporaries through early opera in various countries during the Baroque period, 18th century opera, the Romantic operas of Rossini, Verdi, Wagner, and opera after 1900.
History of Music in America — Music 332
Credit, 2 semester hours.
A survey of music in America from the Ainsworth Psalter of the early Pilgrims through the first public concerts in Boston, Bethlehem, Pa., etc. to a detailed study of music written by American composers since 1900. Foreign influences and early American musical organizations will also be considered.

Survey of Renaissance Music (1300-1600) — Music 431
Credit, 2 semester hours. Prerequisite, Courses 103, 104 or 303, 304. Offered in alternate years. Given in 1962-63.
A survey of music from the time of Jacopo da Bologna and Machaut to Monteverdi showing the development of musical texture, forms and compositional techniques. Two lecture periods weekly and one listening period.

Survey of Baroque Music (1600-1750) — Music 432
Credit, 2 semester hours. Prerequisite, Courses 103, 104 or 303, 304. Offered in alternate years. Given in 1962-63.
A survey covering the period from Monteverdi to J. S. Bach, stressing the development of the fugue, suite, opera, oratorio, concerto, cantata, etc. Two lecture periods weekly and one listening period.

Survey of Classic and Romantic Music (1730-1900) — Music 433
Credit, 2 semester hours. Prerequisite, Courses 103, 104 or 303, 304. Offered in alternate years. Given in 1961-62.
A survey covering the period from the pre-classical composer Porpora to Debussy, including a brief study of the writings of Mozart and Haydn and of the early influences which brought on the Romantic movement. Lives and works of Beethoven, Berlioz, Wagner, Verdi and their contemporaries are discussed. Two lecture periods weekly and one listening period.

Survey of Contemporary Music (1900— ) — Music 434
Credit, 2 semester hours. Prerequisite, Courses 103, 104 or 303, 304. Offered in alternate years. Given in 1961-62
A survey of styles and trends in contemporary music from Debussy and impressionism to recent developments. Two lecture periods weekly and one listening period.

III. CHURCH MUSIC

Introduction to Church Music — Music 213
Credit, 2 semester hours.
The musical heritage of the great liturgies of the Church and important contemporary trends in music of the major denominations. Field work is required involving the observation of services of various Faiths.

Hymnology — Music 214
Credit, 2 semester hours.
The contribution to hymnody of the various religious movements of history; resume of the major hymnals now in use; hymn selection; use of the hymnal and its concordances.

Church Music Administration — Music 313, 314
Credit, 2 semester hours each semester.
The multiple choir program; choir promotion and organization; methods and materials for junior, youth, adult and community choirs; music in the church school. Field work is required throughout the year involving the organization and direction of a junior or youth choir in a local church program.

Service Playing — Music 349, 350
Credit, 1 semester hour each semester. Permission of instructor required.
Organ accompaniment of hymn, anthem and solo; improvisation, modulation, and bridging techniques within the service.

Music and Worship — Music 414
Credit, 2 semester hours.
Designed to follow Religion 363 (Worship). Will treat the function of music in worship; techniques in worship and experiments in new forms. Campus religious services will be a workshop project for this course. Two periods weekly.

Practical Ministry of Music — Music 415, 416
Credit, 1 semester hour each semester.
Arrangements to be made at the end of the junior year with a local church where the student will have the responsibility for a specified part or all of the church's music program under the supervision of the Church Music faculty.
IV. CONDUCTING, CHORAL, INSTRUMENTAL  
ENSEMBLE AND PEDAGOGY CLASSES

Accompanying — Music 251, 252  
*Credit, 1 semester hour each semester. Permission of instructor required.*  
Designed to give pianists the opportunity to accompany vocalists and instrumentalists under faculty supervision.

Conducting — Music 307, 308  
*Credit, 2 semester hours each semester.*  
First semester: Basic conducting techniques, elements of choral direction and choral analysis. Second semester: Instrumental conducting.

Piano Ensemble — Music 351  
*Credit, 2 semester hours each semester.*

Piano Pedagogy — Music 451, 452  
*Credit, 2 semester hours each semester. Permission of instructor required.*

Opera Workshop — Music 453, 454  
*Credit, 2 semester hours each semester. Permission of instructor required.*  
Basic techniques for the singing actor; traditional and contemporary acting in opera; preparation and performance of operatic scenes and/or chamber operas each semester.

Band  
*Credit, 1 semester hour each semester.*  
B169, B170; B269, B270; B369, B370; B469, B470. First, second, third and fourth years of University Band.

Orchestra  
*Credit, 1 semester hour each semester.*  
O169, O170; O269, O270; O369, O370; O469, O470. First, second, third and fourth years of UPS-Tacoma Symphony Orchestra.

Small Ensemble  
*Credit, 1 semester hour each semester.*  
S169, S170; S269, S270; S369, S370; S469, S470. First, second, third and fourth years of Small Ensemble (Instrumental or Vocal).

Choral Society  
*Credit, 1 semester hour each semester.*  
C169, C170; C269, C270; C369, C370; C469, C470. First, second, third and fourth years of Choral Society.

Madrigal Singers  
*Credit, 1 semester hour each semester. Permission of instructor required.*  
M169, M170; M269, M270; M369, M370; M469, M470. First, second, third and fourth years of University Madrigal Singers.

Adelphian Concert Choir  
*Credit, 2 semester hours each semester. Admission by audition only. Daily rehearsals of 50 minutes.*  
271, 272; 371, 372; 471, 472; 571, 572. First, second, third and fourth years of Adelphian Concert Choir.

V. PUBLIC SCHOOL MUSIC

The aim of the curriculum in public school music is to prepare the student to teach and supervise music in the public schools. He must have broad, sound musicianship, knowledge of the subject-matter, skill in musical expression, and ability to adapt himself to the scholastic and community situations.

Fundamental Music Experiences — Music 177  
*Credit, 2 semester hours. Required for teaching certificate.*  
A course designed to give experience in the major music activities in a public school music program and to lead to a working knowledge of music fundamentals.

Methods of Teaching Brass and Percussion Instruments — Music 279  
*Credit, 1 semester hour.*  
Laboratory classes in the playing, teaching methods and materials of all brass and percussion instruments.

Methods of Teaching Woodwind Instruments — Music 280  
*Credit, 1 semester hour.*  
Laboratory classes in the playing, teaching methods and materials of all woodwind instruments.
Elementary School Music and Vocal Methods — Music 377, 378
Credit, 2 semester hours each semester. Prerequisite, Course 177. (Music Majors are exempt from 177.)
The organization of the music program for the elementary school. A study of methods of teaching and the materials for a vocal program and for the elementary rhythmic band.

Methods of Teaching String Instruments — Music 379
Credit, 1 semester hour.
Laboratory classes in the playing, teaching methods and materials of the violin, viola, cello and bass.

Choral Techniques — Music 479
Credit, 1 semester hour.
Class study of the organization, rehearsal techniques and materials for all types of vocal ensembles.

Band Techniques — Music 480
Credit, 1 semester hour.
Class study of the organization, rehearsal techniques, and materials for all levels of band: concert, elementary and marching.

VI. APPLIED MUSIC

Private. Hours to be arranged with the instructor. Credit according to the number of lessons per week and the number of practice hours per day. Use the following system of numbers in registration:

Organ: 189, 190; 289, 290; 389, 390; 489, 490; 589, 590, for first, second, third, fourth, or fifth year.

Piano†: 191, 192; 291, 292; 391, 392; 491, 492; 591, 592, for first, second, third, fourth, or fifth year.

String Instruments: 193, 194; 293, 294; 393, 394; 493, 494; 593, 594, for first, second, third, fourth, or fifth year.

†Class Piano is offered for students who lack sufficient background to warrant private lessons. No credit is given. Students in Class Piano may take private lessons upon satisfactory completion of a proficiency test and permission by the head of the piano department.

Voice: 195, 196; 295, 296; 395, 396; 495, 496; 595, 596, for first, second, third, fourth, or fifth year.

Wind Instruments: 197, 198; 297, 298; 397, 398; 497, 498; 597, 598, for first, second, third, fourth, or fifth year.

Students may enroll for private lessons at any time. No student will be accepted for less than eight lessons unless by special arrangement with the Director of the School. All fees must be paid in advance. No deduction in fees can be made for absences from lessons unless such absences are due to illness.

VII. GRADUATE COURSES

Special Studies — Music 501, 502
Credit, 1 or 2 semester hours each semester. Permission of the Director of the School is required.
Designed to offer advanced music students the opportunity to do individual study, under faculty supervision, in areas in which the student shows exceptional aptitude and keen interest. This includes counterpoint, historical and comparative musicology, and acoustics.

Research and Bibliography — Music 509
Credit, 3 semester hours.
An introduction to the general methods and specific techniques of musicological research. The course includes applied work-projects in compiling and evaluating bibliographies of biographies, Festschriften, bibliographies, histories of music, music anthologies, historical editions, publishers' catalogues, thematic catalogues, dictionaries and encyclopedias, and other bibliographic tools.

Graduate Seminar and Thesis — Music 510
Credit, 2 semester hours.

Twentieth Century Composing Techniques — Music 511
Credit, 3 semester hours.
An analysis of the principal styles of contemporary music as exemplified in the works of Stravinsky, Bartok, Schoenberg, Schumann, Riegger, Webern, and others. An introduction to such composing techniques as bitonality, bimodality, atonality, twelve-tone and other serial techniques.

Stylistic Analysis — Music 513
Credit, 3 semester hours.
Graduate Composition — Music 515  
*Credit, 5 semester hours*

Historical Survey of Theory — Music 516  
*Credit, 3 semester hours*

Thesis — Music 519, 520  
*Credit, 3 semester hours each semester*

Graduate Recital — Music 522  
*Credit, 3 or 4 semester hours*

Pedagogy of Major Instrument or Voice — Music 551  
*Credit, 1 semester hour*
Principles of vocal or instrumental teaching. Each enrollee will teach at least two students under faculty supervision.

Graduate Seminar in Music Education — Music 577  
*Credit, 3 semester hours*

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Natural Science

Professors Alcorn, Anderson, Fehlandt, Nelson

This major is particularly designed to serve the needs of prospective science teachers at the junior high or the senior high school level. In addition to meeting the requirements for either a B.A. or a B.S. degree, it provides for intensification in one field of science as well as giving a background in the other areas of natural science.

General studies required are: English 6, language 14, social studies 9, humanities 9, education 18, and electives 6.

Emphasis in a given science can be secured through adoption of one of the following courses of study:

### SCIENCE MAJOR

**Chemistry**
- Chemistry ................. 24
- Mathematics ............... 8
- Physics .................... 10
- Geology ................. 6 or
- Biology .................. 8

**Biology**
- Biology .................. 30
- Mathematics ............... 8
- Chemistry ................. 10
- Physics .................... 10
- Geology .................. 8

**Physics**
- Physics .................... 24
- Mathematics ............... 16
- Chemistry ................. 10
- Biology ................. 6 or
- Geology ................. 8

**Geology**
- Geology .................. 24
- Mathematics ............... 8
- Chemistry ................. 10
- Physics ................. 10 or
- Biology ................. 6

56 or 58  58 or 56

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**Chemistry**
- Chemistry ................. 24
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**Biology**
- Biology .................. 30
- Mathematics ............... 8
- Chemistry ................. 10
- Physics .................... 10
- Geology .................. 8

**Physics**
- Physics .................... 24
- Mathematics ............... 16
- Chemistry ................. 10
- Biology ................. 6 or
- Geology ................. 8

**Geology**
- Geology .................. 24
- Mathematics ............... 8
- Chemistry ................. 10
- Physics ................. 10 or
- Biology ................. 6

56 or 58  58 or 56
School of Occupational Therapy

Assistant Professors Waggoner (Director), Brust;
Instructors Blitz, Preston

The School of Occupational Therapy had its beginning at the University of Puget Sound in 1944 through the sponsorship of the Washington Tuberculosis Association. The curriculum of the school has been fully approved since 1947 by the American Medical Association and the American Occupational Therapy Association. Graduates of the school now occupy positions in army and veterans hospitals, as well as in civilian tuberculosis sanatoria, psychiatric hospitals, general and orthopedic hospitals, community workshops, rehabilitation centers and schools for crippled children.

Occupational Therapy is the science and art of employing selected activities in a medically-prescribed rehabilitation program for the sick, injured and disabled. Typically, the occupational therapist works with his hands as well as his mind, as the treatment "tools" of the occupational therapist are the creative and manual arts, recreational and educational activities, and activities of daily living. Supervisory and administrative positions particularly call for a high degree of initiative and resourcefulness because of the rapid growth and continued development of the profession.

Previous to World War II, occupational therapy was predominantly a profession for women, but the last decade has brought increasing demands for men therapists in both civilian and military hospitals.*

Because occupational therapy is a medical-service profession, the University must reserve the right to close the course at any time to a student deemed scholastically, physically or emotionally unfit for the profession. Students who wish to enter the course should make application to the Director of Admissions, University of Puget Sound. The application should clearly state that the student is applying for admission to the occupational therapy course so that the particular requirements of the course are considered. All transfer students or students past the usual college entrance age will be asked to take a series of vocational aptitude tests before final acceptance in the course, in addition to providing information through personal interviews, college transcripts and letters of reference.

Fees for occupational therapy students are the same as for other students in the University with the addition of a $100 professional fee to defray in part the cost of the clinical-affiliation program. Unless otherwise arranged this fee is billed to the student during his last four semesters in residence at the University.

Inquiries regarding general scholarships for entering freshmen should be directed to the Dean of Students. Special occupational therapy scholarships, grants and loans are available through the University, but are reserved for students who have been in residence for at least one semester. Other occupational therapy scholarships are occasionally available for entering students through community organizations which sponsor health-service programs. The Director of Occupational Therapy will supply any available information on request.

The following three programs of study are offered:

1. THE DEGREE COURSE: Students may enter this course in their freshman year in college. The degree, Bachelor of Science in Occupational Therapy, is awarded at the end of the senior year when the student has completed the college requirements for the academic degree as well as the professional course. Students in this course are usually advised to

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*Recent legislation opens both the Army and Air Force for male Occupational Therapists as commissioned officers in the Medical Specialist Corps.
complete a minor in psychology, but the Director of Occupational Therapy will approve a minor in another suitable field of study, such as music, recreation, or art. The following outline of courses is intended as a guide. All programs of study are planned or approved by the Director according to individual needs and interests of the student and the minimum curriculum-essentials established by the Council on Medical Education and Hospitals of the American Medical Association.

Art 101 or 103, 247, 339  
Biology 101, 102, 221, 222  
Home Economics 328  
O.T. Skills 181, 182, 214, 315, 317, 319  
O.T. Theory 101, 104, 211, 304, 312, 401, 402  
O.T. Medical Science and Clinical Subjects 377, 378, 459, 460, 470  
Psychology 201, 311  
Sociology 201  
Plus: University requirements for a bachelor's degree, excluding the foreign language requirement.  
Electives in O.T. skills from other departments in University  
Electives  
O.T. 500, Clinical affiliations

2. ADVANCED-STANDING COURSE: This program is open only to graduates of institutions of higher learning or of schools of nursing or physical therapy. The course must be started with the summer session unless the student has recently completed certain of the professional courses. Total time in residence is usually one summer session plus the regular academic year.

3. SPECIAL COURSE: This course requires approximately three years of college-level work. The student in this course completes all professional course-requirements but does not complete the requirements for the academic degree. Admission to the course is granted only to specially qualified applicants.

The instruction in clinical subjects is given by qualified physicians under the guidance of a Medical Advisory Board composed of physicians from the Pierce County Medical Society. Through cooperation of the participating physicians and local hospitals, the students receive part of this instruction in special clinics that are held in the hospitals. All under-graduate occupational therapy students combine their theoretical studies in the college classrooms with observation of actual treatment of patients in local occupational therapy departments through the cooperation of members of the Washington Occupational Therapy Association, local hospitals and schools.

All students in occupational therapy register for nine to twelve months of clinical training when they complete their academic preparation in residence at the University. This clinical affiliation, or internship, is arranged by the Director of Occupational Therapy. Each student trains in three or four different types of hospitals and rehabilitation clinics where he has an opportunity for actual experience in the planning and administering of occupational therapy treatment under the careful guidance and supervision of experienced occupational therapists. The student can either take all of his clinical affiliation in Washington and Oregon, or he can combine travel with study and choose from approved hospitals and clinics in the continental United States and Hawaii which are affiliated with the University. As most of the institutions affiliated with the University provide full maintenance for the occupational therapy students in training, the principal expense is transportation.

Students enrolled in the degree course by the end of the sophomore year (with proper prerequisites) may choose to take three months of their clinical training in the summer months between the junior and senior year and may shorten the internship period required after graduation.

On satisfactory completion of both the academic preparation and the clinical affiliation, the University awards the Certificate in Occupational Therapy. This certificate is not an academic degree, but is a statement from the University which certifies that the student has satisfactorily completed the minimum curriculum-essentials as established by the Council on Hospitals and Education of the American Medical Association. When the student has received the certificate, he is then eligible to take the National Registration Examination which is given biannually at the College by the American Occupational Therapy Association.

A grade of C or better must be earned in courses required for the Occupational Therapy major. These include Anatomy, Physiology, Kinesiology, General Psychology, General Sociology and Abnormal Psychology.

Occupational Therapy 101, 104, 211, 304, 312, 401, 402, 459, 460, 470 are professional courses open only to department majors. Occupational Therapy 181, 182, 214, 315, 317, 319 are open to any student in the University, but first preference for registration must be given to department majors.
Introduction to Occupational Therapy — Occupational Therapy 101  
*Credit, 1 semester hour*

A survey of the history and development of occupational therapy, with slides and films used to portray current trends in treatment. Introduction to basic professional ethics and elementary professional terminology.

Orientation — Occupational Therapy 104, 211, 312  
*Credit, 1 semester hour each semester. Prerequisite, Course 101.*

Thirty hours each semester in occupational therapy departments of local hospitals and schools, with instruction and supervision of volunteer experience by registered occupational therapists.

Minor Crafts — Occupational Therapy 181, 182, 214  
*Credit, 2 semester hours each semester.*

Survey of minor crafts with emphasis on their practical application in occupational therapy and recreation programs. Special attention is given in Course 214 to leatherwork, basketry, and needle arts.

Occupational Therapy in Psychiatry — Occupational Therapy 304  
*Credit, 1 semester hour. Prerequisite, Course 460, Clinical Psychiatry.*

A study of techniques of occupational therapy treatment specifically related to the mentally-ill patient.

Weaving — Occupational Therapy 315  
*Credit, 3 semester hours*

Study of basic techniques of harness-loom weaving. Students set up and weave samples of a wide variety of conventional weaves which have specific application in occupational therapy treatment.

Woodworking — Occupational Therapy 317  
*Credit, 3 semester hours*

Construction of assigned projects which are selected to give a basic elementary knowledge of a wide variety of woodworking techniques with hand and power tools. Includes an elementary study of plastics.

Techniques of Group Leadership — Occupational Therapy 319  
*Credit, 3 semester hours. Prerequisites, Psychology 201, Sociology 201.*

Lecture and laboratory experience in the application of techniques of group leadership in selected situations available in the community.

Jewelry — Occupational Therapy 339  
See Art 339

Special Problems — Occupational Therapy 340  
*Credit, 1 or 2 semester hours*

Special programs for the advanced student.

Kinesiology — Occupational Therapy 377, 378  
*Credit, 3 semester hours first semester, 2 semester hours second semester. Prerequisite, Biology 221, 222.*

The course is designed particularly for majors in occupational therapy and physical education. The first semester course includes a detailed study of skeletal muscles. The second semester includes a study of the mechanics of human motion and an analysis of activities and daily living.

Advanced Theory — Occupational Therapy 401, 402  
*Credit, 2 semester hours first semester, 4 semester hours second semester.*

A study of specific techniques of occupational therapy treatment in all disability-fields except psychiatry. Includes a study of teaching-skills, principles of departmental organization and administration, principals of personnel supervision and professional reporting as related to the occupational therapy field.

Clinical Subjects — Occupational Therapy 459, 460  
*Credit, 5 semester hours first semester, 3 semester hours second semester.*

Lectures and clinics covering the medical fields: neurology and neuroanatomy, psychiatry, general medicine and surgery, orthopedics, pediatrics and tuberculosis.

Rehabilitation of the Handicapped — Occupational Therapy 470  
*Credit, 2 semester hours*

Principles and practice of rehabilitation in all disability fields. Guest lecturers, field trips and motion pictures.

Clinical Affiliations — Occupational Therapy 500  
*Credit, 2 semester hours for each month of internship.*

Nine to twelve months of hospital internship in selected and approved medical hospitals, rehabilitation centers and community workshops, of which the three months in Psychiatry may be taken between the junior and senior years, with proper prerequisites.
Philosophy

Professors Regester (Chairman), Magee

A major should include Courses 205, 206, 263, 264, 307 and 371. In addition to the course-requirement, an examination in the senior year in a list of basic philosophic writings prescribed by the department will be expected.

A minor should include Courses 205, 206, 263, 307 and 371.

No course before 264 has a prerequisite.

A good knowledge of psychology and of a natural science is expected of majors and minors in the department.

Philosophical Interpretations of the Western Religious Consciousness—Philosophy 101
Credit, 3 semester hours. Acceptable to meet the University's religion requirement for military persons at off campus University Centers. Does not count for a philosophy major or minor.

An introduction to the major interpretations of the religious consciousness of Western man in the Judeo-Christian tradition.

Introduction to Philosophy — Philosophy 204
Credit, 3 semester hours
A course suitable for beginners in the subject and for those who desire a general cultural acquaintance with the nature and place of philosophy in human thought, its chief problems and achievements, and its significant thinkers.

History of Philosophy — Philosophy 205, 206
Credit, 3 semester hours each semester.
The history of man's attempt to secure a rational interpretation of the universe and of his relation to it and to his fellowmen. The first semester covers the period from the rise of Greek Philosophy through the Middle Ages; the second semester continues the study from the Renaissance to contemporary time.

The Principles of Reasoning — Philosophy 263, 264
Credit, 2 semester hours each semester. Course 263 is prerequisite to 264.
A study of the methods of inquiry which lead to reliable knowledge. Attention is given to common fallacies, formal reasoning, inductive procedures in the natural and social sciences, semantics, and a logic of evaluation.

Contemporary Philosophy — Philosophy 307.
Credit, 3 semester hours. Open only to students who have had history of philosophy. Offered in alternate years. Given in 1962-63.
A consideration of the problems which occupy the center of interest in present philosophical speculation and of the trend of thought in modern philosophy.

Philosophical Studies — Philosophy 331, 332
Credit, 2 semester hours in a semester.
Under these numbers there will be offered on occasion, in either classroom or seminar manner, philosophical subjects which are not annually repeated.

Ethics — Philosophy 371
Credit, 3 semester hours
A study is made of the chief ethical problems and systems of moral theory.

Social Ethics — Philosophy 372
Credit, 3 semester hours
An application of the principles of ethics to modern social problems.

History of Political and Social Thought — Philosophy 413, 414
See Political Science 413, 414.

Philosophy of Science — Philosophy 432
Credit, 2 semester hours. Offered in alternate years. Given in 1962-63.
An introduction to problems inherent to the nature of scientific inquiry and to the nature of scientific knowledge, and the bearings of these matters on the fate of man in the Twentieth Century.

Aesthetics — Philosophy 443
Credit, 3 semester hours. Offered in alternate years. Given in 1961-62.
An introduction to classical and modern discussions of the nature of art, to the problems in the production and appreciation of works of art, and to aesthetic evaluation and experience generally. Examples from the several arts are studied in the light of the discussions.

Philosophy of Religion — Philosophy 482
See Religion 482.

Reading in Philosophy — Philosophy 491, 492
Credit and time to be arranged. Open only to advanced students with the approval of the instructor.
Individual study on selected topics, with reading, written reports, and conferences

Philosophy of Education — Philosophy 516
See Education 516.

Physical Education, Health and Recreation

Associate Professors Heinrick (Chairman), Bond; Instructors Duncan, Erwin, Lantz, McDonell; Assistant in Physical Education Bare

Each applicant for admission to the University is required to furnish a report of a physical examination. A form for this report is provided when an application is first received. Some health examinations are given students periodically by the college physician and staff.

Consultation with the doctor and health advice are available to students without cost. The University does not maintain an infirmary, however, or provide medical service in illness.

Provisions are made in the physical-education program for each student to participate in team games with fellow students of his own ability and to develop skills in sports which can be carried on after college. Voluntary participation of every student in some intramural, class or varsity sport each semester is encouraged for both men and women.

At least five semesters of physical education activity must be taken by all students.

A major in physical education must include Courses 105, 221, 222 (prerequisite, Biology 101, 102), 268, 365, 372, 375, 377 and 378, for all students. In addition, a major in physical education for men must include Courses 121, 124, 331, and 332. Courses 33, 84, 234, 349, and 437 are also recommended. A major in physical education for women must include Courses 63, 66, 71, 84, 251, 252, 268, 351, 352, and 372. Courses 151, 152, 181, 186, and 385 are additionally recommended.

Requirements in education for certification to teach in the public schools are listed under the subject of education. Practice-teaching should be done in an academic subject as well as in physical education.

A minor in physical education for men must include Courses 105, 121, 124, 268 and 372.

A minor in athletic coaching for men is offered, which includes Courses 124, 227, 254, 268, 351, 352 and 437. After a student completes the requirements for the minor, an "Athletic Coaching Certificate" is filed with his teaching credentials.

A minor in physical education for women should include Courses 105, 251, 252, 268, 351, 352, and 372.

A minor in recreation should include Art 101 or 103; Music 177; Physical Education 181 or 182, 186 and 385; Psychology 201; and Speech 379. The student’s program should be planned in consultation with the Instructor in Recreation. Suggested recreational skills to be acquired are arts and crafts, games and sports, dancing, dramatics, music, and social recreation.

I. PHYSICAL EDUCATION ACTIVITY COURSES

Activity Courses for Men

First-Year Activity (Compulsory) — Physical Education 1, 2
Credit, 1 semester hour each semester. Required of all freshmen.

This course is intended to introduce the student to a range of activities with both immediate and continued recreational interest and physical value. At registration, freshmen will be given a classification test and will take either 1 (gym activity) or 2 (swimming activity) first semester, depending upon the results of the test. Second semester, the freshman student will take whichever course (1 or 2) he did not take in the preceding semester.

Second-Year Activity (Compulsory) — Physical Education 3
Credit, 1 semester hour. May be taken either semester. Required of all Sophomores.

This course is intended as a continuation of the gym activity course (P.E. 1) for freshmen, and will allow the student to improve his abilities in recreational activities. Emphasis will be placed on volleyball, badminton, golf, horseshoes, and handball.

Third-Year Activity — Physical Education 4, 5
Credit, 1 semester hour each semester.

Students are to continue their activities in the sports emphasized in P.E. 3, upon arrangement with the Instructor, or they may substitute two of the co-educational courses listed, 71, 75, 84, and 91 through 97.
Restricted Activity — Physical Education 13, 14
Credit, 1 semester hour each semester
Corrective work involving prescribed and restricted exercises for students for whom the health examination shows need of precaution in exercise or of special corrective work.

Intercollegiate Sports Program — Physical Education 21 to 29
Credit, 1 semester hour each semester
The practice of an intercollegiate sport throughout its entire season by a member of a varsity squad who is eligible to participate in athletics under the regulations of the University may be substituted for a semester of physical education. Not more than three semesters of the P.E. requirement may be satisfied by intercollegiate athletics. For record, this activity should be registered under the following numbers: 21. Football; 22. Baseball; 23. Basketball; 24. Track; 25. Skiing; 26. Golf; 27. Swimming; 28. Tennis; 29. Wrestling.

Swimming — Physical Education 2, (Compulsory) 32, 33, 84
Credit, 1 semester hour each semester
One of these courses (P.E. 2) must be taken as one of the required semester's activity for freshmen. This course will be divided into Beginning and Intermediate Swimming according to the needs of the students. The other courses, P.E. 32 (Intermediate), 33 (Advanced), and 84 (Life Saving), may be elected by upperclassmen to fulfill the requirement for semesters 4 and 5 in physical education activity. Recreational swimming for students is available throughout the year without credit.

Activity Courses for Women — Physical Education 50 to 98
Credit, 1 semester hour each
The purpose of these courses is to provide each student with instruction in physical skills which will contribute to a wider recreational interest and participation. Only the courses listed under this section will fulfill the general requirement of five semester hours of physical education.

61. Badminton and Tennis, Beginning
62. Badminton and Tennis, Intermediate
63. Badminton and Tennis, Advanced
64. Badminton and Archery, Beginning
65. Badminton and Archery, Advanced
66. Archery, Beginning
71. *Square and Folk Dance
72. Modern Dance, Beginning
73. Modern Dance, Intermediate
74. Modern Dance, Advanced
75. *Posture Training
76. Gymnastics and Tumbling
81. Swimming, Beginning
82. Swimming, Intermediate
83. Swimming, Advanced
84. *Life Saving
91. †*Bowling, Beginning
92. †*Bowling, Advanced
93. †*Golf
94. †*Riding, Beginning
95. †*Riding, Advanced
96. †*Ice Skating, Beginning
97. †*Ice Skating, Advanced

II. HEALTH AND HYGIENE (Men and Women)

Hygiene — Physical Education 105
See Biology 105

Anatomy — Physical Education 221
See Biology 221. Prerequisite, Biology 101 and 102

Physiology — Physical Education 222
See Biology 222 (and above)

First Aid — Physical Education 268
Credit, 2 semester hours
Those completing this course satisfactorily will receive the Standard and Advanced First Aid Certificates issued by the Red Cross.

*Activity courses thus marked are co-educational. †There is a special fee for courses thus marked, as they are given off-campus.
Health Education & P.E. in the Elementary Schools —
Physical Education 365
Credit, 2 semester hours
For students in education, physical education, and recreation.

Health Education in the Secondary Schools — Physical Education 375
Credit, 2 semester hours
For students in education and physical education.

Kinesiology — Physical Education 377, 378
See Occupational Therapy 377, 378.

III. PHYSICAL EDUCATION — Professional Courses

Tumbling and Apparatus — Physical Education 121 (Men)
Credit, 2 semester hours
The techniques of tumbling and apparatus.

Minor Sports — Physical Education 124 (Men)
Credit, 2 semester hours
Source materials, theory and practice in school physical education activities — tennis, badminton, golf, softball, volleyball, speedball, etc.

Freshman Technique — Physical Education 151, 152 (Women)
Credit, 1 semester hour each semester
Two activities and a lecture period.

Training Aids — Physical Education 227 (Men)
Credit, 2 semester hours
Theory, and technique of taping, massaging, and care of muscular bruises.

Methods of Officiating Sports — Physical Education 234 (Men)
Credit, 2 semester hours

Sophomore Technique — Physical Education 251, 252 (Women)
Credit, 1 semester hour each semester
Two activities and a lecture period.

Techniques of Group Leadership — Physical Education 319
See Occupational Therapy 319.

Major Sports — Physical Education 331, 332 (Men)
Credit, 2 semester hours each semester
Methods of teaching football and track are covered in the first semester; methods of teaching basketball and baseball in the second.

Methods of Teaching Swimming — Physical Education 348 (Women)
Credit, 3 semester hours. Prerequisite, Senior Life Saving.

Water Safety Instructor’s Course — Physical Education 349 (Men & Women)
Credit, 2 semester hours. Prerequisite, Advanced Swimming and Senior Life Saving.
Methods of water-safety instruction.

Methods of Teaching Sports — Physical Education 351, 352 (Women)
Credit, 2 semester hours each semester
The techniques of teaching and officiating hockey, soccer, speedball, and volleyball are covered in the first semester; basketball, individual sports and softball are covered in the second.

Methods of Teaching Square and Folk Dancing — Physical Education 367 (Men & Women)
Credit, 2 semester hours. Prerequisite, Course 71.

Physical Education in the Secondary School — Physical Education 372 (Men & Women)
Credit, 3 semester hours
Methods, principles, organization and administration of physical education at the high school level.
Psychology of Athletic Coaching — Physical Education 437 (Men)  
Credit, 3 semester hours

Methods of Teaching Health and Physical Education — 
Physical Education 458 (Women)  
Credit, 2 semester hours. Prerequisite, a minor in Physical Education and Education 302.

IV. RECREATION

Minor Crafts — Physical Education 181, 182, 214  
See Occupational Therapy, 181, 182, 214.

Playgrounds, Their Administration and Operation — 
Physical Education 186  
Credit, 2 semester hours  
Playground operation with particular emphasis on programs, administration, equipment and supplies, and playground problems. Students taking the course will be eligible for summer work with the Metropolitan Park District of Tacoma.

Introduction to Community Recreation — Physical Education 385  
Credit, 2 semester hours  
A course involving teacher-pupil participation through discussion; opportunities for the student to study, evaluate, and discuss recreation as a social force and its organization and administration, and also to work part-time in the public and private agencies of the city.

Internship in Municipal Recreation Administration — 
Physical Education 581, 582  
Credit, in amount to be arranged, up to 15 semester hours each semester. Prerequisite, recreation minor and some paid experience. No credit for less than full year.  
This internship is a graduate program. It involves nine months full-time study and training in all phases of municipal recreation administration with practical field work in connection with the Tacoma School District and Metropolitan Park District. A certificate is given in evidence of the completion of the program, and the student is qualified for full-time administrative positions in the field of public recreation.

Physical Sciences
Drs. Nelson, Springer

Physical Science — 103, 104  
Credit, 4 semester hours each semester. Three lectures and one 2 hour laboratory a week.  
An integrated course in the sciences of the physical world.

Physics
Professors Nelson (Chairman), Seward; Instructor Brown

A Bachelor of Science degree with a major in physics may be granted upon completion of the general requirements of the University, including: 24 hours in physics, mathematics through calculus, general chemistry, and two years of foreign language.

Students planning to make use of physics as a vocation or as a preparation for graduate work in physics or engineering fields should take Physics 405, 406, 311, 451, 452, 361, and Mathematics 301, 431; and electives from Physics 322, 482, 401, 412 and Mathematics 401, 402, or Chemistry 402.

Students enrolled in Physics 451, 322, 361, 311, 412, or 482 are expected to enrol concurrently in the corresponding laboratory course 431, 432, 433, 434, 435, or 436.

Laboratory Arts — Physics 193  
See Chemistry 193.
General Physics — Physics 201, 202
Credit, 5 semester hours each semester. Three lectures, one recitation and one 3-hour laboratory per week. A non calculus course. Not open to freshmen unless they have had high school physics and trigonometry.

General Physics for Science and Pre-engineering Majors — Physics 211, 212
Credit, 5 semester hours each semester. Three lectures, one recitation and one three-hour laboratory per week. Prerequisite, Mathematics 112 (Analytic Geometry and Calculus).

Atomic Physics — Physics 311
Credit, 3 semester hours. Offered in alternate years. Given in 1961-62. Prerequisite, Courses 201, 202 or 211, 212, and Mathematics 212.

Electronics — Physics 322
Credit, 2 or 3 semester hours. Offered in alternate years. Given in 1962-63. Prerequisite, Courses 201, 202 or 211, 212.

Thermodynamics — Physics 401
Credit, 3 semester hours. Prerequisites, Courses 201, 202 or 211, 212, and Mathematics 212.

Analytical Mechanics — Physics 405, 406
Credit, 3 semester hours each semester. Offered in alternate years. Given in 1961-62. Prerequisite, Courses 201, 202 or 211, 212, and Mathematics 212.

Nuclear Physics — Physics 412
Credit, 3 semester hours. Offered in alternate years. Given in 1961-62. Prerequisite, Courses 311 and Mathematics 212.

Advanced Laboratory — Electricity — Physics 431
Advanced Laboratory — Electronics — Physics 432
Advanced Laboratory — Optics — Physics 433
Advanced Laboratory — Atomic — Physics 434
Advanced Laboratory — Nuclear — Physics 435
Advanced Laboratory — Radiological — Physics 436
Credit, 1 semester hour each. One three-hour laboratory per week.

Electricity and Magnetism — Physics 451, 452
Credit, 3 semester hours each semester. Offered in alternate years. Given in 1962-63. Prerequisite, Courses 201, 202 or 211, 212, and Mathematics 212.

Optics — Physics 361
Credit, 3 semester hours. Offered in alternate years. Given in 1962-63. Prerequisite, Courses 201, 202 or 211, 212.

Radiological Physics — Physics 482
Credit, 2 semester hours. Given according to demand. Prerequisite, Courses 201, 202 or 211, 212.

Individual Project — Physics 491, 492
Credit, 2 to 4 semester hours

Seminar — Physics 493, 494
Credit, 2 semester hours either semester

Undergraduate Thesis — Physics 497, 498
Credit, 2 to 4 semester hours

Solid State — Physics 568
See Chemistry 568.
Political Science and Government
Associate Professor Tomlinson; Instructor Heppe (Chairman)

Three different programs lead to a major in political science: (1) a general political science program; (2) a special program in international relations; (3) a special program in public administration.

A general major in political science should include Courses 101, 102, 291, 292, 413, 414 and at least two courses from 305, 306, 314, 321, 322, 331, 332, 352.

A major in international relations should include 101, 291 or 292, 321, 322, 331 or 332, 413 or 414, and four additional hours from upper level political science courses.

A major in public administration should include Courses 101, 102, 305, 306, 313, 352, 413 or 414 and six additional hours in upper-level political science courses.

Each major program should be supplemented with courses from economics, history, philosophy, psychology and sociology.

A minor in political science includes 101, 102, 291 or 292 and six hours of upper-level courses.

American National Government — Political Science 101
Credit, 3 semester hours
A survey of the constitution; three branches of government; administration; civil rights; political parties.

American State Government — Political Science 102
Credit, 3 semester hours
A survey of state constitutions; three branches of government; inter-governmental relations; administration.

Current National and International Problems—Political Science 121, 122
Credit, 2 semester hours each semester
Background and interpretation of events and issues on the national and world scene. Sources of current literature. A course designed to make the general student a better-informed citizen, and to help him understand America's place in international affairs. Recommended for teachers of social studies.

Comparative Government — Political Science 291, 292
Credit, 3 semester hours each semester.
A comparative study of selected foreign governments, from both the structural and functional standpoints. Aim of course is to broaden the interest and understanding of the student by acquainting him with the political institutions and methods that differ from those of the United States.

Municipal Government — Political Science 305
Credit, 2 semester hours. Offered in alternate years. Given in 1962-63.
City governments and their relations to the state; the rights and liabilities of municipal corporations; pressure groups; detailed analysis of forms of municipal governments. Special attention to Tacoma city government.

Principles of Public Administration — Political Science 306
Credit, 2 semester hours. Offered in alternate years. Given in 1961-62.
The principles of public administration, structure and organization, financial management, administrative responsibility and the relation between the administration and other branches of government.

Political Parties and Public Opinion — Political Science 313
Credit, 2 semester hours. Offered in alternate years. Given in 1962-63.
Nature, functions, and problems of party organization. Study of pressure groups and of their influence on government.

American Political Thought — Political Science 314
Credit, 2 semester hours
A consideration of trends in political thinking from the 17th Century to the present.

International Relations — Political Science 321, 322
Credit, 3 semester hours each semester.
International rivalry, alliances and power politics; imperialism; geographic, economic, political and population factors affecting the relations of nations. The basic course for a major in international relations.

International Organization — Political Science 331
Credit, 3 semester hours. Offered in alternate years. Given in 1961-62.
A basic study of the League of Nations, international courts, the United Nations, North Atlantic Treaty Organization, and plans for other political, military and economic organizations.
American Foreign Policy — Political Science 332
Credit, 3 semester hours. Offered in alternate years. Given in 1961-62.
History of diplomatic relations with foreign countries, negotiations and
treaties, with special attention to the role that American policy-makers and
diplomats have played in world affairs.

History of Development of American Constitutional Law —
Political Science 352
Credit, 2 semester hours. Offered in alternate years. Given in 1961-62.
The development of the basic principles of the American constitutional
system of government. Some attention paid to case-method and brief-con-
struction. A course for the general student and for the pre-law student.

Public Finance — Political Science 363
See Economics 363.

History of Political and Social Thought — Political Science 413, 414
Credit, 3 semester hours each semester
A study of the major theories which have influenced mankind from the time
of Plato to modern times. History 101, 102 are desirable background.

Readings in Political Science — Political Science 491, 492
Credit, 3 semester hours
A course to afford majors an opportunity to read selected books for the pur-
pose of broadening their knowledge and understanding of the general field
of political science and of the specific problems of government.

Seminar — Political Science 493, 494
Credit, 3 semester hours each semester
Seminars in political science will be utilized as demands justify for the
purposes of individual projects, group study projects, field work, workshop
courses. Admission requires staff approval.

Psychology
Assistant Professor Bruvold (Chairman),
Instructors Dorius, Hartley

General Psychology — Psychology 201
Credit, 3 semester hours. Given both semesters.

The Psychology of Personal Adjustment — Psychology 204
Credit, 3 semester hours

Experimental Psychology — Psychology 206
Credit, 3 semester hours. Given both semesters.

Abnormal Psychology — Psychology 311
Credit, 3 semester hours

Psychology of Personality — Psychology 315
Credit, 3 semester hours
An introduction to the study of personality.

Theory of Personality Development — Psychology 317
Credit, 3 semester hours
A study of contemporary theories of personality.

Child Development — Psychology 328
See Home Economics 328.

History and Systems of Psychology — Psychology 342
Credit, 3 semester hours

Human Relations in Industry — Psychology 351
Credit, 2 semester hours

Psychology of Religion — Psychology 364
See Religion 364.

Elements of Statistics — Psychology 371
See Mathematics 371.

Social Psychology — Psychology 381
Credit, 3 semester hours

The Study of the Child — Psychology 425
Credit, 3 semester hours

The Study of Adolescence — Psychology 426
See Sociology 426.

The Learning Process — Psychology 428
Credit, 3 semester hours
Reading in Psychology — Psychology 491, 492
Credit, 1 or 2 semester hours

Seminar — Psychology 494
Credit, 2 semester hours

Theory of Psychological Testing — Psychology 541
Credit, 3 semester hours

Intelligence Testing — Psychology 542
Credit, 3 semester hours

Personality Testing — Psychology 543
Credit, 3 semester hours

Religion

Professors Phillips (Chairman), Frederick, Magee; Assistant Professor Albertson

The Department of Religion seeks to aid the University in fulfilling its Christian aims in the following ways:
1. By endeavoring to make the Christian religion an integral part of the heritage of every student who enters the University of Puget Sound;
2. By guiding individuals in the development of rich religious experiences;
3. By helping students become better churchmen through the mastery of proved techniques in teaching religion in the home, in the church, and in the community.

Students who expect to enter graduate schools of religious education or theology should look under Career Programs in this catalog.

Introduction to Religion — Religion 101
Credit, 3 semester hours. Given both semesters.
The course seeks to secure an orientation to the problem of the nature of religion, an historical approach to the study of the Bible, an understanding of Jesus and His effect on civilization, and an appreciation of Christianity in the life of modern man.

History and Literature of the Old Testament — Religion 201
Credit, 3 semester hours. Offered in alternate years. Given in 1961-62.
A study of the history and literature of the people of Israel as found in the Old Testament from the time of Abraham to the Roman conquest of Palestine in 63 B.C.

History and Literature of the New Testament — Religion 202
Credit, 3 semester hours. Offered in alternate years. Given in 1961-62.
A study of the growth of the New Testament, discussing date, authorship, place of writing, and purpose of each book. Special attention will be given to the influence of Paul's life and letters.

The History of Christianity Through the Reformation — Religion 251
Credit, 3 semester hours. Offered in alternate years. Given in 1962-63.

History of the Protestant Church — Religion 252
Credit, 3 semester hours. Offered in alternate years. Given in 1962-63.
A study of the Christian church from the 17th Century to the present time.

Organization and Administration of the Christian Church—Religion 302
Credit, 3 semester hours. Offered in alternate years. Given in 1961-62.
Basic principles of organization and administration will be studied. The local church, the denomination, the City-Council of Churches, the State-Council of Churches and the National and World Councils of Churches will be examined.

Principles and Methods of Religious Education — Religion 304
Credit, 3 semester hours. Prerequisite, Psychology 201. Offered in alternate years. Given in 1962-63.
A study of the teaching-learning process, and of the principles and techniques that should obtain in the teaching of religion.

Sociology of Religion — Religion 362
See Sociology 362.
Worship — Religion 363
Credit, 3 semester hours. Offered in alternate years. Given in 1962-63.
Interpretation of the meaning and importance of public worship. Evaluation of the elements involved, such as prayer, music, scriptures, creed, offering, and teaching. Examination of the sources of literature of worship. Selection and combination of the materials. Part of the course will be given to a study of the classic and modern resources for personal religious devotion.

Psychology of Religion — Religion 364
Credit, 3 semester hours. Prerequisite, Religion 101 and Psychology 201. Offered in alternate years. Given in 1961-62.
A study of religious consciousness, including the following problems: the psychological method employed in the study of religion, the nature of religious experience, religious growth, conversion, belief in God, prayer, worship, mysticism, conduct control, the cult, and the therapeutic service of religion.

Living Religions of the World — Religion 463
Credit, 3 semester hours. Offered in alternate years. Given in 1961-62.
An introduction to the main beliefs, the historical beginnings, the chief doctrines, and the leading personalities of each of the world’s major religions.

Advanced Studies in Religion — Religion 472
Credit, 2 semester hours. Given second semester.
A study of contemporary religious thought.

Philosophy of Religion — Religion 482
Credit, 2 semester hours. Prerequisite, Religion 101 and one course in Philosophy. Offered in alternate years. Given in 1961-62.
A philosophical study of the meaning of God in human experience. Deals with such issues as the knowledge of God, science and religion, the place and destiny of man, prayer, immortality, and the problem of evil.

Field Problems — Religion 490
Credit, 2 to 3 semester hours either semester.
This course is designed for students working in local churches, through the church school or young people’s fellowship, or in community activities.

Moral and Spiritual Values in Education — Religion 524
See Education 524.

RUSSIAN
(See Foreign Languages)

Social Science

Drs. Bruvold, Hamner, Heppe, Peterson, Shelmidine

Social Science Major with emphasis in history (24 hours) and:
Economics: One of 101 (General Economics) or 221 (Economic History of the United States)
Pol. Science: 101 (American National Government) and one of 314 (American Political Thought), 321, 322 (International Relations) or 352 (History of Development of American Constitutional Law)
Psychology: 201 (General Psychology), and one of 342 (History and Systems of Psychology), 311 (Abnormal Psych.), 315 (Psychology of Personality), or 317 (Theory of Personality Development)
Sociology: One of 201 (Introduction), 202 (Social Problems), 321 (The Family) or 476 (Community Life)
And three additional hours from the courses named in either Economics or Sociology.

Social Science Major with emphasis in political science (24 hours) and:
Economics: One of 101 (General Economics) or 221 (Economic History of the United States)
History: 101 (Survey of World History), 102 (Survey of World History), or 151 (History of the United States), 152 (History of the United States)
Psychology: 201 (General Psychology), and one of 342 (History and Systems of Psychology), 311 (Abnormal Psychology), 315 (The Psychology of Personality), or 317 (Theory of Personality Development)
Sociology: One of 201 (Introduction), 202 (Social Problems), 321 (The Family), or 476 (Community Life)
And three additional hours from the courses named in either Economics or Sociology.
Both the major and minor requirements would be satisfied by this program. The extensive study in all of the areas of social science would take the place of the specific minor. All other University requirements for graduation must be fulfilled.

**Sociology**

Professors Magee, Phillips; Associate Professor Peterson (Chairman); Instructor Wignall

The main purpose of the department is to train students in sociology as a social science. A major should include Courses 201, 202, 301, 302, 371, 401, 494, and a minimum of five additional upper-level hours. A minor should include Courses 201, 202, 301, 302, and three additional upper-level hours. Course 201 is a prerequisite for every other course in the department, except 111, 112, and 121.

**Anthropology — Sociology 111, 112**

*Credit, 3 semester hours each semester*

The study of man and his works. (111) Man's place in nature, prehistoric archaeology, and the study of races. (112) The development of human cultures.

**Marriage and the Home — Sociology 121**

*Credit, 2 semester hours. Not counted toward a major.*

A general course on courtship, marriage, and early marital adjustments. The biological, cultural, economic and financial, educational, religious and social aspects of family life will be treated.

**Introduction — Sociology 201**

*Credit, 3 semester hours*

This course is concerned with the study of social institutions, social control, social contact and social processes generally.

**Social Problems — Sociology 202**

*Credit, 3 semester hours*

A survey of major contemporary social problems with special emphasis on population and social stratification.

**Historical Sociology — Sociology 301, 302**

*Credit, 3 semester hours each semester*

Traditional perspectives in the study of social and cultural development; objectives and procedures in the foundation of sociology.

**The Family — Sociology 321**

*Credit, 3 semester hours*

A study of the family as an institution from its historical developments through its various transitions.

**Field Work — Sociology 356**

*Credit, 3 semester hours*

A survey of the scope, methods and function of contemporary social work. Experience in a case-work agency and a group-work agency is provided each student under the joint supervision of the college and agency staffs.

**Criminology and Delinquency — Sociology 361**

*Credit, 3 semester hours*

A study of the extent and types of criminal behavior; the facts and theories regarding causes of crime; methods of crime prevention and methods for rehabilitation of criminals.

**Sociology of Religion — Sociology 362**

*Credit, 3 semester hours. Prerequisite, Religion 101.*

A study of religion in its social manifestations and interaction with other social forces.

**Elements of Statistics — Sociology 371**

See Mathematics 371.

**Social Psychology — Sociology 381**

See Psychology 381.

**Social Theory — Sociology 401**

*Credit, 3 semester hours. Prerequisite, Sociology 301, 302.*

An intensive survey of important sociological theoretical systems.

**Problems of Family Adjustment — Sociology 422**

*Credit, 3 semester hours. Prerequisite, Course 121 or 321.*

This is a study of the interpersonal relationships and adjustments of family members through their crises from marriage to death.

**The Study of the Child — Sociology 425**

See Psychology 425.
The Study of Adolescence — Sociology 426
Credit, 3 semester hours
The study of the theories of adolescent development and the basic research relating to these theories.

Community Life — Sociology 476
Credit, 3 semester hours
An analysis of organization and change in rural, suburban, and urban communities.

Reading and Conference — Sociology 491, 492
Credit, 1 or 2 semester hours each semester. Open only to advanced students with the approval of the Chairman of the Department.
Individual study with reading, reports and conferences.

Seminar — Sociology 494
Credit, 2 semester hours. Open only to advanced students by permission of instructor.

SPANISH
(See Foreign Languages)

Speech and Drama

Professor Jones (Chairman); Associate Professor Baisinger; Assistant Professor Flowers

The Department of Speech and Drama offers study leading to the Bachelor of Arts degree with a major selected from courses in three divisions:

(1) Speech, including public address, speech correction and audiology, radio and television.
(2) Interpretation of Literature
(3) Drama

The academic curriculum is designed for students who wish to secure a broad background in these areas. Related activities supervised by the Department include the Campus Playcrafters, who produce various types of drama both on and off the campus, and the Choral Readers, who revive an age-old art, through which participants and audiences realize a richer experience of great prose, poetry, and drama. Serving the wide range of forensic and public speaking activities is the original Alpha Chapter of Pi Kappa Delta, National Forensic Honorary. Its members represent the University in intercollegiate and intramural competitive events, sponsor annual clinics for High Schools, and host two of the largest forensic tournaments in the United States each year.

A major in the Department consists of Speech 101 (or its equivalent) and an additional 24 semester hours, including:
Speech 220 or 297
Speech 285
Speech 377
Choice of six or more hours from Interpretation courses
Choice of seven or more hours in drama, which must include Speech 277 or 278
Electives in courses numbered 300 or above

A minor consists of Speech 101 or its equivalent and fifteen or more hours, approved by the department, to be chosen from the following combinations:
(1) Speech, including courses 220 or 297, 285, and electives.
(2) Interpretation, including courses 361, 364, 365, and electives.
(3) Radio-televisión, including courses 220 or 297, 251, 252, 285, and electives.
(4) A combination chosen from the above three areas and approved by the Department.
(5) The following suggestions are made for students who plan to enter elementary teaching, although other electives may be substituted with the approval of the Department: Speech 172, 174, 252, 285, 364, and 379.

I. PUBLIC SPEAKING

Remedial Speech — Speech 5
Non-credit
Regularly enrolled students of the University, with problems resulting from substandard or defective speech, may be referred to the Speech Department for diagnostic appointment. If the initial appointment indicates that remedial work is needed, the student may enroll for this course, which entitles him to one weekly appointment.
Fundamentals of Public Speaking — Speech 101
Credit, 3 semester hours either semester
The study and application of basic principles of public speaking, with emphasis on effective communication through orderly thinking and composition, personal adjustment to audiences, effective delivery and use of the voice.

Debate — Speech 145, 146
Credit, 1 semester hour each semester

Advanced Public Speaking — Speech 220
Credit, 3 semester hours
Further study of speech composition; principles of speech are studied with a view to influencing belief and action through the use of psychological and logical means.

Introduction to Broadcasting — Speech 251
Credit, 3 semester hours
A study of the radio and television industry as mass media of communication.

Radio-Television Programming — Speech 252
Credit, 3 semester hours
A study of the communication skills involved in the production and direction of radio and television programs.

Introduction to Speech Science — Speech 285
Credit, 3 semester hours
An introduction to the study of speech science, to include the physiology of the ear and voice as it relates to the process of speech, including an introduction to phonetics.

Argumentation and Discussion — Speech 297
Credit, 3 semester hours
Discussion and argumentation as techniques of a free society, as methods of bringing reasoned discourse to bear on personal and social problems for purposes of decision and action.

Forms of Public Address — Speech 321
Credit, 3 semester hours
Principles of persuasion are applied to various types of audiences; experience in presenting special forms of public address. Attention is given to structure, style, and delivery.

Advanced Argumentation — Speech 341
Credit, 3 semester hours
Intensive examination through topical research, performance, and analysis of the theories of argumentation.

Direction of Speech Activities — Speech 345, 346
Credit, 1 semester hour each semester
Experience under supervision of organizing, conducting and directing speech and forensic activities. Open only with consent of the instructor.

Speech Correction for the Classroom Teacher — Speech 377
Credit, 2 semester hours
Introduction to the functional, organic and psychogenic disorders of speech in children and adults. Theories of diagnosis and treatment. Hearing as an etiological factor in speech disorders.

Hearing and Deafness — Speech 436
Credit, 2 semester hours
A course designed for the understanding of the acoustically handicapped. A study of the anatomy of the ear in relation to the types of hearing loss, the clinical techniques employed in working with the acoustically handicapped, and the methods for testing hearing will be presented.

Seminar — Speech 493
Credit, 2 or 3 semester hours either semester
II. ORAL INTERPRETATION OF LITERATURE

Literary Interpretation — Speech 361
Credit, 3 semester hours
Study of modern English and American poetry, prose and drama, with oral interpretation of selected works.

Story Telling — Speech 364
Credit, 3 semester hours
A study of the principles of effective story telling for purposes of education and entertainment. Analysis and classification of stories with reference to each period of the child’s development. The work is designed to meet the needs of playground directors, church school leaders, and teachers.

Choral Reading — Speech 365, 366, 367
Credit, 3 semester hours each semester
Study and practice in the fundamentals of reading aloud together. Material interpreted will range from classical to modern works in prose, poetry, and drama. There will be public performances in the Christmas season and an annual recital in the Spring.

Advanced Literary Interpretation — Speech 462
Credit, 2 or 3 semester hours. Open with consent of the instructor

Seminar — Speech 494
Credit, 2 or 3 semester hours. Open with consent of the instructor.

III. DRAMA

Fundamentals of Acting — Speech 172
Credit, 3 semester hours. Meets two times a week, with additional hours for laboratory.
Presentation of scenes from great dramatic literature and of one-act plays for campus and community. Fundamental techniques of acting are studied, with emphasis upon characterization and ensemble playing.

Puppetry — Speech 174
Credit, 3 semester hours. Meets two times a week plus laboratory hours.
The making and manipulation of various kinds of marionettes, hand puppets, finger puppets, and flannel graphs. The utilization of these materials for schools, churches, and playgrounds.

Dramatic Production — Speech 277, 278
Credit, 4 semester hours each semester
Problems and practice in acting and producing plays. The study of the organization and duties of the production staff; the background of performance — scenery, lighting, make-up and costuming.

Advanced Acting — Speech 352
Credit, 3 semester hours. Prerequisite, Courses 172 and 277.
Introductory study of principal schools and styles of acting; further development of ability to portray characterization, mood, and suspense.

Theatre Work Shop — Speech 371, 372
Credit, 3 semester hours each semester
The problems of stagecraft, directing and make-up are studied. The group works on the actual problems involved in major productions of the University. The relation and responsibility of the director to the community are considered.

Play Directing — Speech 378
Credit, 3 semester hours. Meets two times a week plus laboratory hours.
A presentation of the methods and techniques of stage directing, including the building of characterization, tempo, and atmosphere. The handling of rehearsals. There will be from twenty-five to thirty-five hours of observation. A complete prompt book will be required of each student.

Children’s Dramatics — Speech 379
Credit, 3 semester hours
A course in the direction and production of plays for children, with the emphasis upon educational and recreational values of dramatics.

Seminar — Speech 495
Credit, 2 or 3 semester hours. Open with consent of the instructor.
Career Programs

AIR FORCE OFFICER

The University of Puget Sound in conjunction with the United States Air Force offers a program for obtaining a college degree and a commission as an officer in the United States Air Force. Earning a college degree and a commission simultaneously offers the student an exceptional opportunity leading to an interesting, challenging and rewarding career.

While obtaining a degree in his desired field of study, the student also completes the Air Science curriculum as a cadet in the Air Force Reserve Officers Training Corps (AFROTC). Students who complete the Air Science Basic Course (Freshman and Sophomore years), and are found to possess the necessary aptitude and physical qualifications to become an Air Force officer, may compete for entry into the Air Science Advanced Course (Junior and Senior Years). During the two years in the Advance Course, cadets receive a total of more than $600.00 in pay and allowances.

Cadets who successfully complete the four years of AFROTC training will receive commissions as Second Lieutenants and will be assigned to active duty with the United States Air Force in such areas as: pilot or navigator, administration, education, air attaché, purchasing and contracting, comptrollership, research and development, weather, electronics or many others. Honor students who are designated as Distinguished AFROTC Cadets and who are selected for appointment in the Regular Air Force may apply for initial active duty assignment to the United States Air Force Institute of Technology, with attendance at a civilian institution, to study for a graduate degree.

PREPARING FOR CHRISTIAN EDUCATION

Students who desire to enter work in Christian education are advised to confer with the Chairman of the Department of Religion and to secure from him an outline of studies for the four college years. Graduation requirements should be fulfilled with a major in sociology, education, religion, or music.

COLLEGE AND UNIVERSITY TEACHING

Programs leading to teaching in institutions of higher learning are available. Students in the University’s undergraduate and its Master’s programs are well-prepared for further work for the Doctorate. The Master’s degree, given by the University, may qualify one for entrance into teaching in institutions of higher learning, and in particular in junior colleges. Some states, such as the State of Washington, make a Master’s degree with a major in the subject taught a qualification for teaching in the junior college, and an alternative to a Standard Certificate, secondary level. Graduate work at the University of Puget Sound meets this requirement. A limited number of Graduate Assistantships are available for students with superior records.

DENTAL SCHOOL

To enter most dental schools, one needs to have at least two years in college.

Although it is possible to complete the required courses in four semesters, many students take six, or even eight, semesters. In this way, they are able to avoid extreme concentration on the sciences and to build up their cultural background.
The Dental Aptitude Test, required of applicants for admission to dental schools, is given at the University each year.

**DIETETICS**

The University of Puget Sound in affiliation with Tacoma General Hospital has established a course of study to prepare students for dietetic internships. The student will major in home economics, biology, or chemistry. Other requirements include diet therapy, food service administration, 20-25 hours in a physical science, and accounting.

After the successful completion of this course of study, the student is qualified to enter one of the dietetic internships recognized by the American Dietetic Association. At the close of the year of internship the student is a graduate dietitian.

**ENGINEERING SCHOOL**

The requirements for entering schools of engineering and for the first years of engineering study vary a great deal. A student who intends to secure an engineering degree from a particular school would do well to learn what its requirements are before starting college study.

Students seeking to combine a general education with engineering training may take a longer time to meet the requirements for an engineering degree. In addition to engineering subjects they might take courses in languages, literature, the arts and social sciences, and also advanced courses in chemistry, physics and mathematics.

For a student, however, who wishes to secure an engineering degree in the shortest time and who will transfer to an engineering school after the sophomore year, the program below is suggested:

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>SOPHOMORE YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Subjects</strong></td>
<td><strong>Semester Hours</strong></td>
</tr>
<tr>
<td>English 101, 102</td>
<td>3 3</td>
</tr>
<tr>
<td>Chemistry 101, 102</td>
<td>5 5</td>
</tr>
<tr>
<td>Mathematics 131, 132</td>
<td>3 3</td>
</tr>
<tr>
<td>Mathematics 111, 112</td>
<td>4 4</td>
</tr>
<tr>
<td>ROTC 101, 102</td>
<td>2 2</td>
</tr>
<tr>
<td>Mathematics 224</td>
<td>3</td>
</tr>
</tbody>
</table>

**LAW SCHOOL**

Many law schools require a college degree for admission. Others require only two or three years of pre-law.

Admission into all law schools regardless of the differing length of undergraduate work is based on ability to read, speak, and write effectively. Although no particular major subject is prescribed, a social study like political science, history or economics is frequently chosen. One is expected to know something of American politics and business life and also have some understanding of Anglo-American constitutional history. A broad knowledge of literature and philosophy is also desired.

Since law schools do not generally ask for specific pre-law programs, the University of Puget Sound provides a pre-law adviser. He will help plan programs of study that will be most effective for individual purposes.

**MEDICAL SCHOOL**

Medical schools have varied admission requirements. A student who has a specific school in mind, should become acquainted with its requirements. Preference is given, however, to applicants who not only meet stated requirements but also have a bachelor's degree.

Admission to medical school is usually based upon the grades in the pre-medical course, and the score on a medical aptitude test. This test, directed by the Association of Medical Colleges, is given each year at the University of Puget Sound.

In addition to special training in scientific subjects, it is an advantage to have a broad background in literature and other humanities and the social sciences.

**PREPARING FOR A CAREER IN MEDICAL TECHNOLOGY**

The University of Puget Sound in affiliation with the Tacoma General Hospital offers a course of study leading to a degree of Bachelor of Science in Medical Technology.

A student preparing to be a medical technician must complete three years (90 semester hours) of work in the basic sciences and arts at the University. Following this he is eligible for 12 consecutive months of technical training at Tacoma General Hospital. During this time he receives both instruction and practical experience. After completion of four years, the student not only receives a degree of Bachelor of Science in Medical Technology but is eligible to take the examination conducted by the Board of Registry of Medical Technologists of the American Society of Clinical Pathologists for certification as an MT (ASOP).
Minimum requirements for admission for technical training are:

1. **Biological Sciences**: 16 semester hours
   - One full year (6 semester hours) lecture and laboratory course in general biology or zoology.
   - Remaining courses may be in bacteriology, anatomy, physiology, embryology, histology or genetics.

2. **Chemistry**: 16 semester hours
   - One full year (10 semester hours) general college chemistry, including qualitative analysis.
   - Remaining courses may be in quantitative analysis or organic chemistry.

3. **Mathematics**: 3 semester hours
   - General college mathematics.

4. **Recommended Electives**:
   - Electives, as for any professional career, should include a broad general education in English, Social Studies, Arts and Humanities.
   - Advanced mathematics, physics and typing will also prove helpful.

**THE NURSING PROFESSION**

The University of Puget Sound, in conjunction with the Tacoma General Hospital School of Nursing, offers a course of study leading to both a diploma from the School of Nursing and a bachelor of science degree from the University.

This program was planned with the belief that a student with a liberal, as well as a professional, education is better prepared to meet the expanding and complex nursing needs of today's community. Briefly the objectives are:

1. To provide an opportunity for the student to acquire the fundamental knowledge and skill required for beginning positions in nursing.
2. To develop an awareness of the social and health needs of the individual and the community.
3. To lay a sound educational foundation for future professional growth.

Work is begun in the fall session, and the program is completed in four calendar years plus an additional semester. Ample time is provided for vacations.

During the first year of study one may live at home or in a university residence hall. Work in this period will be mainly at the university. At the beginning of the second year residence is established at Jackson Hall, the nurses' home at Tacoma General Hospital.

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**FIRST YEAR (Campus)**

<table>
<thead>
<tr>
<th>Fall:</th>
<th>Credit Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 101—Composition</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry 105—Nurses</td>
<td>4</td>
</tr>
<tr>
<td>Biology 105—Hygiene</td>
<td>2</td>
</tr>
<tr>
<td>Social Studies or Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Biology 101—General</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
</tbody>
</table>

**Spring:**

| English 102—Composition | 3 |
| Biology 102—General | 3 |
| Religion 101 | 3 |
| Social Studies | 3 |
| Speech 101—Fundamentals | 3 |
| Physical Education | 1 |

**Summer:**

- Biology 221 and 222—Anatomy and Physiology 6
- Sociology 201—Introduction 3

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**SECOND YEAR (Hospital)**

<table>
<thead>
<tr>
<th>Fall:</th>
<th>Credit Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing 101—Nursing Arts</td>
<td>4</td>
</tr>
<tr>
<td>Nursing 103—Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 201—</td>
<td>General U.P.S.</td>
</tr>
<tr>
<td>Home Economics 111—Nutrition U.P.S.</td>
<td>2</td>
</tr>
<tr>
<td>Humanities or Social Studies U.P.S.</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education U.P.S.</td>
<td>1</td>
</tr>
</tbody>
</table>

**Spring:**

- Nursing 102—Nursing Arts 4
- Nursing 104—Pharmacology 3
- Nursing 202—Medical-Surgical 6
- Home Economics 112—Diet Therapy U.P.S. 1
- Nursing 105—Professional Adjustments 1
- Biology 142—Microbiology U.P.S. 4

**Summer:**

- Clinical Experience

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**THIRD YEAR (Hospital)**

<table>
<thead>
<tr>
<th>Fall:</th>
<th>Credit Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing 301—Operating Room Techniques</td>
<td>3</td>
</tr>
<tr>
<td>Nursing 302—Surgical Specialties</td>
<td>7</td>
</tr>
<tr>
<td>Nursing 303—Communicable Diseases and Social Hygiene</td>
<td>4</td>
</tr>
<tr>
<td>Nursing 111—History</td>
<td>1</td>
</tr>
<tr>
<td>Nursing 311—Ward Conferences 1½</td>
<td></td>
</tr>
</tbody>
</table>

**Spring:**

- Nursing 308—Obstetrics 6
- Nursing 309—Ward Administration 1½
- Humanities and Social Studies (at least two upper-level) U.P.S. 9
- Nursing 311—Ward Conf. 1½

**Summer:**

- Affiliations

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**FOURTH YEAR (Hospital)**

<table>
<thead>
<tr>
<th>Fall:</th>
<th>Credit Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing 405—Ward Conferences</td>
<td>3</td>
</tr>
</tbody>
</table>

**Spring:**

- Nursing 401—Professional Adjustments 3

**Summer:**

- Clinical Elective
- FINAL SEMESTER (Campus)
- Uncompleted requirements

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*The following affiliations are taken on varying schedules during the third and fourth years:

- Nursing 250—Introduction to psychiatric Nursing U.W. 3½
- Nursing 251—Selected Psychiatric Nursing Practice U.W. 3½
- Nursing 252—Introduction to Tuberculosis Nursing U.W. ½
- Nursing 253—Selected Tuberculosis Nursing Practice U.W. ½
- Nursing 307—Pediatrics—Vancouver General Hospital School of Nursing 3
OCCUPATIONAL THERAPY

The University of Puget Sound is one of two institutions in the Northwest which has an Occupational Therapy School recognized by the American Medical Association.

Students in occupational therapy study crafts such as ceramics, weaving, woodworking and metalwork, as well as academic subjects such as psychology, biology, and sociology.

They receive instruction in clinical subjects by physicians who are members of a Medical Advisory Board, and study the actual treatment of patients in hospitals and clinics in the Tacoma area.

After the academic work is completed, they take a year of special clinical training—internship—in various hospitals and rehabilitation centers, under the supervision of professional therapists.

For further information look for Occupational Therapy in preceding pages.

THE TEACHING PROFESSION

Preparing teachers for public schools is the main function of the University of Puget Sound's School of Education. In addition, certain advanced phases of the program are designed for teachers and administrators already in service.

A student preparing for the teaching profession will have a faculty adviser, who will help to prepare a well-balanced program of academic and professional subjects suited to individual needs and purposes.

By arrangement with the public school system students are sent to school as observers and, later, as student-teachers. When the work is completed a General Certificate is awarded which entitles the holder to teach in the public schools at the appropriate grade from the kindergarten through high school.

For additional information and specific requirements look in the section for Education under Courses of Instruction.

THEOLOGICAL SCHOOL

According to the American Association of Theological Schools these are the accomplishments to be secured by pre-theological study: ability to think clearly; reading knowledge of at least one foreign language; a broad understanding of literature, philosophy, psychology, the social sciences, and the natural sciences; and mastery in some specific field.

Most theological schools do not require a specific pre-theology program. It is desirable that subjects be chosen with the help of an adviser from the Department of Religion who will assist in selection of courses of study that will be most effective for individual purposes.

The University Community

Living Accommodations

WOMEN'S HOUSING

The young women of all departments of the University are under the supervision of the Associate Dean of Students.

Women students whose homes are not in Tacoma live in modern, fire-proof dormitories on the campus: Anderson Hall, accommodating 200 women; Harrington Hall, providing a home for 87 women; and Flora B. Tenzler Hall, which accommodates 70 women, with private bath for each three rooms. Each dormitory has attractive lounges, and a recreation room. There are a few
single rooms, a number of double rooms, and some rooms which house three or four girls. All beds are single, though some of them may be double-decked, and all have good springs and mattresses. Each resident has her own chest of drawers, study desk and chair. Drapes, bedspreads and sheets are supplied by the University. The student brings only her blankets, towels and personal effects. The dormitories are equipped with laundry facilities and kitchenettes for the convenience of students.

All students who live in the dormitories will take their meals at the Commons. The cost of meals is stated in the section of the catalog dealing with fees and expenses.

Reservations for living quarters on the campus, together with an advance payment of twenty-five dollars, are to be made with the Bursar, after the student has been accepted for admission and has received dormitory reservation cards from the Admissions Office. Freshman allocations are made in the order in which applications are received. The advance payment will be refunded only if the halls do not have room for the student or if notice of a cancellation reaches the Bursar by July 1.

All women students who do not live with their families in Tacoma or in the homes of Tacoma relatives are expected to live in the dormitory. Living arrangements other than in the dormitory must be planned with the Associate Dean of Students and approved by the student's parents.

Some students can earn room and board by three hours of work per day in private homes which are approved by the University. The Associate Dean of Students maintains a list of homes where this arrangement is possible. Women of the city who wish to employ college girls consult the Associate Dean of Students, who visit the homes and keeps records of the advantages offered and of the kind of work required. No young woman is permitted on her own responsibility to make arrangements for living off-campus.

MEN'S HOUSING

Two residences for men, Todd Hall and New Hall, are located on the campus. They provide single and double rooms. The rooms are furnished with single beds, chests of drawers, wardrobes, desks, and chairs. Drapes for windows, bedspreads, blankets and sheets are supplied by the University. Towels and personal effects are all that need be brought by the student.

In addition to living quarters there are lounges, a recreation hall and special study rooms. All students living in the men's halls take their meals in the University cafeteria.

Men from out of town are expected to live in the men's residence halls, at least through their freshman year. Off-campus living must have approval of the Dean of Students.

The charge for residence in the men's halls is stated elsewhere in the catalog, under "Fees."

Reservations for living quarters on the campus, together with an advance payment of twenty-five dollars, are to be made with the Bursar. Freshman allocations are made in the order in which applications are received. The advance payment will be refunded only if the halls do not have room for the student or if notice of a cancellation reaches the Bursar by July 1.

Student Activities

GENERAL ORGANIZATIONS

ASSOCIATED STUDENTS—The organized student body, known as the Associated Students, has general direction and charge of such university activities as intramural sports, student publications, debating and oratorical contests, musical, literary and social activities. Direction of activities is exercised mainly through a representative body known as the Central Board.

THE ASSOCIATED WOMEN STUDENTS is the organization of the women of the University for promotion of their special programs and activities.

THE STUDENT CHRISTIAN COUNCIL is made up of representatives from each of the denominational groups on the campus, the Associated Students, the social groups and the dormitories. It helps to plan religious activities for the campus and to coordinate them with student participation in the youth programs of the local churches.
SPECIAL ACTIVITY GROUPS

DEPARTMENTAL CLUBS are groups which further in informal ways the student’s interest and progress in his favorite study. These include the Art Club (Delta Phi Delta), the Biology Club (Phi Sigma), Christian Education Fellowship, the Commerce Club, Le Cercle Francais, the Geology Society, Deutscher Verein, the Home Economics Club, the Mathematics Club, the Occupational Therapy Club, the Pre-Law Club, the Pre-Medical Club, the Psychology Club, and El Espanol Club.

DENOMINATIONAL STUDENT MOVEMENTS are Canterbury Club, Christian Science Group, Lutheran Student Association, Methodist Student Movement, Methodist Kappa Phi, Newman Club, and the United Campus Christian Fellowship, consisting of Baptist, Brethren, Congregational, Disciple and Presbyterian students.

MUSICAL ORGANIZATIONS are The Adelphian Concert Choir, The University of Puget Sound Symphony Orchestra, The Madrigal Singers, The Tacoma Choral Society, The Concert Band, The Resident Faculty Trio, and several small vocal and instrumental ensembles. They present annual concerts and provide music at the university functions.

THE AMERICAN CHEMICAL SOCIETY has a Student Affiliate Chapter on the campus. This is for chemistry majors above freshman standing who are superior students. Members receive publications of the Society and may attend meetings of the Section in the area.

CHINOOK is an off-campus recreational club. It’s principal activities are winter sports, climbing, hiking and sailing.

THE AXEMEN is a men’s organization for those who have won a letter in a major sport.

THE WOMEN’S ATHLETIC ASSOCIATION promotes and coordinates women’s athletic events and activities.

KAPPA PHI is a National Methodist Girls’ Club.

THE INTERNATIONAL RELATIONS CLUB is open to all students interested in world affairs.

STUDENT NATIONAL EDUCATION ASSOCIATION is a national organization open to all students interested in teaching.

THE UNIVERSITY VETERANS’ CLUB is composed of students who are veterans of the armed services of the United States.

HONOR SOCIETIES

MU SIGMA DELTA is made up of men and women elected from senior students in the upper ten per cent of their class in scholarship.

OTLAH is composed of fifteen senior women chosen each year on the basis of high scholastic average, participation in activities, service to the University, and womanly character.

SPURS is a national service organization for sophomore women, and INTERCOLLEGIATE KNIGHTS is a national service organization for sophomore men. The purpose of both groups is service to the University and the promotion of interest in college activities.

PI KAPPA DELTA is a national society for intercollegiate debators and orators.

DELTA PHI DELTA is a national society for art students.

PI GAMMA MU is a national social science fraternity for senior students who have done superior work in that field.

PI PHI NU is a local honor society for Home Economics students.

SIGMA ALPHA IOTA is a national music sorority.

PHI MU ALPHA SINFONIA is a national music fraternity.

PHI SIGMA is a national honorary biological society.

SOCIAL FRATERNITIES AND SORORITIES

The six fraternities and five sororities on campus are chapters of national organizations, with membership by invitation. The fraternities are Kappa Sigma, Phi Delta Theta, Sigma Alpha Epsilon, Sigma Chi, Sigma Nu, and Theta Chi.

The sororities are Alpha Phi, Chi Omega, Delta Delta Delta, Gamma Phi Beta, and Pi Beta Phi.

The Independents is the social organization of students who are not members of Greek-letter organizations.

INTERCOLLEGIATE ATHLETICS

The University is a member of the Evergreen Intercollegiate Conference. Teams are entered in football, basketball, baseball, track, tennis, golf, skiing, wrestling, and swimming.
STUDENT PUBLICATIONS

THE TRAIL is the weekly student newspaper.
THE TAMANAWAS is the student year book.

ELIGIBILITY FOR ACTIVITIES

All questions of eligibility come under the jurisdiction of the Rules Committee which cooperates with the Dean of Students in all matters pertaining to eligibility.

I. In order to be eligible to represent the University of Puget Sound in any student activity, a student must:
   (a) Be fully registered in the University for a minimum of 12 hours credit except as provided below in Article III.
   (b) Not be on scholastic probation.

II. Eligibility of members of teams or groups must be checked at the beginning of each activity. Those having charge of any activity must submit to the Rules and Regulations Committee of the faculty, in care of the Office of Dean of Students, at the time of the first turn out of any activity—a list of all participants on a form which may be obtained from the Office of Dean of Students.

A student, after having been declared eligible for any student activity, will remain eligible, scholastically, for the remainder of the season of participation only when the season terminates within the semester.

Activities wherein students engage with representatives of other student bodies in contests of any kind or represent the University off the campus are under the jurisdiction of the Rules Committee of the faculty in cooperation with the Dean of Students.

(d) The faculty director of an extra-mural activity which will involve off-campus travel for inter-collegiate representation for competition should submit to the Office of Dean of Students at a reasonable time prior to the undertaking of the trip, the following information on forms which will be provided by the Office of Dean of Students: (1) date, (2) place, (3) number and names of students to participate, (4) financial arrangements, (5) method of transportation.

III. Students who are registered for less than 12 hours work may take part in the musical organizations, dramatic productions, or other activities which are of an academic character and in which there is not inter-collegiate competition. All those students who participate in extra-curricular activities under the sponsorship of ASB must pay the regular associated student fee regardless of the number of hours for which they are registered.

IV. In order to be eligible to represent the University of Puget Sound in any intercollegiate sport, a student must comply with the athletic conference rules and the foregoing University requirements.

CLOSED PERIOD

The last two weeks of each semester are designated as a closed period for all social functions and student activities.

Financial Assistance

Financial assistance is awarded by the University of Puget Sound to applicants on the basis of attainment, ability and leadership as indicated in the applicant's records. The amount of financial assistance varies according to financial information supplied in the College Scholarship Service form submitted by the parents of the applicant and may be awarded in the form of any one or a combination of the following: Scholarship Grants, Guaranteed Employment Grants, Loans (National Defense and others). Forms for making this statement are available in high schools and upon request to the Director of Admissions. No other application for financial assistance is required.

Although all financial assistance is awarded for one year only, aid requests are reviewed annually when requested and, within the limits of available funds, the University will continue assistance as long as the student's academic and citizenship records merit it.

Sons and daughters of ordained ministers are eligible to apply for special scholarship grants. If need is established, the students are eligible for a minimum grant of one-half tuition.

Candidates for financial assistance should note the following items to insure the completeness of their applications:

Secure copy of the University Scholarship Service form (Parents' Confidential Statement) from your high school counselor and have this statement completed and filed with the University Scholarship Service before March 1, by your parents or guardian.

Arrange to take the Scholastic Aptitude Test of the College Entrance Examination Board in December or January. Applicants for admission to the spring semester should take the test in December.

All admission credentials (transcript of record, application for admission, $10 application fee) should be filed not later than March 1, with the
Office of Admissions at Puget Sound for the fall semester and no later than January 1, for the spring semester.

NOTE: A Parent's Confidential Statement together with your admission credentials will assure you consideration for a Scholarship. You cannot be considered for financial aid unless you have completed the admission procedure.

Because financial assistance is based upon verifiable family need, and because such need is a confidential matter between the student and his university, public notice of the award of scholarship grants is minimized or completely avoided, and in no case is the amount of stipend announced.

SCHOLARSHIPS

THE METHODIST CHURCH SCHOLARSHIPS—seven full-tuition scholarships to University of Puget Sound students who have been members of the Methodist Church for at least a year, who maintain a B average, who show promise of church leadership, and who have the endorsement of their local minister.

THE IDA A. DAVIS MEMORIAL SCHOLARSHIPS—from an endowed scholarship fund of forty-thousand dollars.

LEONARD HOWARTH SCHOLARSHIPS—from the income of fifty thousand dollars awarded to advanced students qualified to be assistants or readers for academic departments.

THE FRANK W. BAKER SCHOLARSHIP—from a fund for the assistance of worthy students.

THE MARGARETS' SCHOLARSHIP—$200.00 awarded annually on the basis of good character, academic record and need, to persons preparing for fulltime Christian service.

THE CLEONE SOULE SCHOLARSHIP—$200.00 for an outstanding music student, on the basis of good character, academic record and need.

THE DONALD R. SHOTWELL MEMORIAL SCHOLARSHIP—awards from an endowed fund to students with good grades, excellent character and unusual promise, with preference to graduates of Stadium High School or Woodrow Wilson.

THE MARJORIE MANN SCHOLARSHIP—$100.00 annually for assistance to a student in the field of occupational therapy.

WOMEN OF ROTARY AWARD—$150.00 for a junior woman on the basis of character, leadership and scholarship.

THE LADIES OF KIWANIS AWARD—$150.00 to a junior woman on the basis of character, leadership and scholarship.

A.A.U.W. AWARD—$100.00 annually, to a junior woman of outstanding scholarship, wholesomeness of influence and promise of usefulness.

KERMANN KLEINER SCHOLARSHIP—$250.00 annually, to a student who has notably exemplified and fostered the spirit of friendliness and broad human brotherhood in the student community.

THE FLORENCE RUTH TODD ART AWARD—the income from two thousand dollars which goes annually to a junior or sophomore of superior native ability, diligence and good character, for the purpose of continued art study.

BETHESDA B. BUCHANAN SCHOLARSHIP—grants in amounts up to one-half tuition for occupational therapy students.

THE THOMAS AND DELLA GLASSCOCK MEMORIAL SCHOLARSHIPS—from a fund to aid needy students in Christian education.

JESSE TRANE BURWELL—awarded to students preparing for a career in Christian Education.

THE EDWIN B. GARRIGUES FOUNDATION AWARD IN MUSIC—full tuition and fees awarded annually to the music student considered to show the most promise.

JOHN A. FLYNN MEMORIAL SCHOLARSHIP—half-tuition to an outstanding Tacoma high-school graduating senior with a creative and progressive interest in the field of chemistry.

PANHELLENIC AWARD—$150.00 awarded annually to a junior or senior sorority woman with outstanding academic ability and financial need.

THE KAPPA KAPPA GAMMA SCHOLARSHIP—an annual award to a sophomore woman of exceptional promise.

DELTA DELTA DELTA SERVICE PROJECT AWARDS—two awards of $100.00 each, open to all women students on the basis of scholarship, participation in activities, and need.
THE DEAN RAYMOND AND MARGARET POWELL EDUCATION SCHOLARSHIP—an annual award to a self-supporting senior student with three years of residence, showing promise for successful public-school teaching, and living a Christian life.

THE PRESSER FOUNDATION SCHOLARSHIP—two awards of $200.00 each awarded annually to music students of good character, scholarship and talent.

SIGMA ALPHA IOTA ALUMNAE MUSIC SCHOLARSHIP—$100.00 awarded annually to a woman majoring in music who possesses a creditable academic record and outstanding musical talent.

THE J. U. CASSELMEMORIAL SCHOLARSHIP—for a deserving student studying for the ministry.

THE JOHN BARTLETT MCDONALD MEMORIAL SCHOLARSHIP—from an endowed fund for promising students in engineering.

MR. AND MRS. ARTHUR C. JOHNSON SCHOLARSHIP—an endowed scholarship to aid ministerial students.

MR. AND MRS. EARL WIRTH SCHOLARSHIP—an endowed scholarship to aid students entering the ministry or the mission field.

MR. AND MRS. HERMAN F. KLINDWORTH SCHOLARSHIP—an endowed scholarship for students entering the ministry or the mission field.

THE MILDRED P. WHITEHOUSE MEMORIAL SCHOLARSHIP—from a fifty-thousand dollar fund in her memory to aid needy and worthy students.

CROWN ZELLERBACH FOUNDATION SCHOLARSHIP—an annual $600.00 scholarship to a junior or senior in the field of physical or social sciences whose character, ability and field of study indicate that he will make a contribution toward industrial and social progress in the Pacific Coast Area.

THE CAMPBELL SCHOLARSHIP—Mr. and Mrs. Arthur Campbell, together with their son and daughter-in-law, Mr. and Mrs. Kenneth Campbell, established a scholarship for pre-ministerial students or others interested in Christian education.

THE GYRO CLUB SCHOLARSHIP—half tuition for the education of outstanding young men.

THE WILLIAM W. KILWORTH SCHOLARSHIP—Mr. Kilworth, Chairman of the Board of Trustees, established the Kilworth Scholarship to be awarded to students having outstanding character, promise of civic usefulness, and genuine financial need.

ELKS' SCHOLARSHIP—awarded to senior or junior students in Occupational Therapy in amount, according to need, up to $700.00.

HELEN HARRINGTON SCHIFF SCHOLARSHIPS—ten $200.00 scholarships to students who show unusual promise and have financial need.

CHI OMEGA AWARDS—scholarship grants of $100.00 by the Tacoma Alumnae Association to a junior woman majoring in Education and $25.00 by the active chapter to a junior woman in the field of Sociology.

THE EDNA MUNDT ELEMENTARY EDUCATION SCHOLARSHIP—established by Miss Edna Mundt, First Methodist Church, Seattle, $100 to $150 to a freshman interested in elementary education and continued for four years.

PENBERTHY INSTRUMENT COMPANY SCHOLARSHIP—$500 each year for the assistance and encouragement of superior students in physics.

KEMPER FOUNDATION SCHOLARSHIP—provides $3000 over a period of four years at Puget Sound, plus a possible graduate year, advantages in finding summer and post graduate employment.

LOAN FUNDS

THE NATIONAL DEFENSE STUDENT LOAN FUND—a fund provided by the Federal Government and administered by the University to assist needy students.

THE UNIVERSITY OF PUGET SOUND STUDENT LOAN FOUNDATION—a fund to aid students not otherwise able to continue their college education.

THE METHODIST EDUCATIONAL FUND—a loan fund for students of Christian character. Students need the recommendation of their local church.

THE REEDER MEMORIAL LOAN FUND—a perpetual fund for students of Christian character. Students need the recommendation of their local church.
THE WILLIAM J. WILKINSON, JR., LOAN FUND—an unrestricted fund to aid worthy students in their college careers.

THE ROTARY CLUB FUND—a fund from which college students may borrow upon proper recommendation.

WOMEN’S ORGANIZATIONS LOAN FUNDS—Women of Rotary, Ladies of Kiwanis, Faculty Women’s Club, A.A.U.W., P.E.O., Sigma Kappa Alumnae, Washington State Federation of Women’s Clubs, and Lillian Martin Alliance all have funds from which loans are made upon proper recommendation.

KNIGHTS OF THE ROUND TABLE FUND—for loans to juniors or seniors on recommendation of the President of the University.

THE LEONA M. HICKMAN LOAN FUND—a fund for young men who are residents of King County, on the basis of need, character and scholarship.

THE SUE J. BROWN LOAN FUND—established by Mr. and Mrs. Crawford A. Brown, Spokane, Washington, for juniors and seniors on the basis of need, character and scholarship.

THE LEONARD COATSWORTH MEMORIAL LOAN FUND—established by Tacoma News-Tribune employees where Mr. Coatsworth had worked for many years, and by his friends, as a revolving Loan Fund to help students with their collegiate career.

The following counties of the State of Washington have loan funds for students in occupational therapy: Kittitas, Grant, Lincoln, Stevens, San Juan, Lewis, Cowlitz, Klickitat, Chelan, Callam, Douglas, Mason, Pend Oreille, Whitman, Jefferson. In addition there is the Hutchinson Loan Fund. Information on these is available from the Director of Occupational Therapy at the University.

JOB OPPORTUNITIES

 Tacoma by reason of its size, offers many opportunities for student employment. For students who wish to have part-time jobs, the University maintains a placement service. The Placement Office helps to secure part-time jobs, as well as to make contacts for employment after graduation. Students who plan to earn part of their college expenses by working at part-time jobs should write to the Placement Office, giving details of the kind of work they are fitted to do. Students, however, are expected to arrive at the University with sufficient funds to meet initial expenses.

RECOGNITION AWARDS

BURMEISTER ORATORY PRIZES—$30.00 annually, to support an oratorical contest.

FRANK S. BAKER WRITING CONTEST—$15.00 annually, for a short story or playwriting contest.

MYRA E. DUPERTUIS PRIZE—a cash prize for an American-born senior showing the greatest proficiency in the French language. Students who have studied abroad may not compete for this prize.

TODD SCHOLARSHIP CUP—recognition of the student with highest-average scholarship for the year.

SORORITY SCHOLARSHIP CUP—held by the women’s social organization making the highest average in scholarship. Gift of Mrs. Lyle Ford Drushel.

LOGGER TROPHY—Awarded annually to the men’s living groups best representing campus leadership, academic excellence, and intramural achievement.

SAMUEL WEIR EDUCATIONAL TROPHY—a trophy awarded annually to a senior in teacher-education judged most worthy by the School of Education.

ALLIE JONES MEMORIAL AWARD—a cash award to a senior in recognition of work and inspiration in the drama field.

MAHNCKE AND COMPANY TROPHY—recognition of the varsity football man highest in scholarship in the first semester.

AMERICAN CHEMICAL SOCIETY (JUNIOR AFFILIATE) PLAQE—recognition annually of a senior major in chemistry with highest scholastic record in the subject during his college course.

MATHEMATICS AWARD—a monetary award to a senior showing the most promise in the field.

AMPHICTYON SOCIETY DAFFODIL CUP—recognition of the senior voted the most useful and valuable member of his class.
JOHNSON-COX TROPHY—recognition of a football man selected by his teammates for inspiration.

BASKETBALL INSPIRATION TROPHY—recognition of a basketball man selected by his teammates for inspiration.

ROBERT BRANDT MEMORIAL PLAQUE—recognition of a male student in dramatics, for attitude and excellence in acting.

RICHARD SUMMERS MEMORIAL PLAQUE—recognition of a music student who, by musical activities, has made the greatest contribution to fellow students.

BEN AND SLAVA HEUSTON MEMORIAL SHAKESPEARE AWARD—an annual award to a superior student in literature, and particularly for interest in Shakespeare.

RAY WILLIAMS MEMORIAL AWARD—to a senior majoring in geology, on the basis of scholarship and service to fellow students.

RALPH OLSON MEMORIAL AWARD—a cup for recognition of a senior man for inspiration to the college community.

ASCPS SPIRIT TROPHY—gives recognition to a person for promoting school spirit.

HARRY WERBSKEY MEMORIAL AWARD—a cup for recognition annually of the man best exemplifying good sportsmanship.

CHIMES MEMORIAL CUP—recognition of the student who has given most unselfish service to fellow-students.

OXHOLM TROPHY—a bowl awarded annually to a student group in recognition of service to the University.

CHARLES McNARY AWARD—a briefcase to a promising senior in business administration and engraving of his name on a trophy cup.

A.A.U.W. MEMBERSHIP AWARD—to a senior woman of a one-year membership in one of the Washington State Chapters of the Association.

DELTA PHI DELTA SERVICE AWARD—a recognition for an art student established by the art honorary society.

TACOMA DIETETIC ASSOCIATION AWARD—presented for annual recognition of a major in home economics for activities and scholarship.

Register

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ADMINISTRATIVE PERSONNEL
FACULTY
MEMORIALS AND FOUNDATIONS

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Term Expires in 1961

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Mary Bratton Transcript Clerk

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Ruth Anderson Secretary

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Don Duncan, B.A. in Educ. Manager

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A.B., Nebraska Wesleyan University, 1930; A.M., B.D., Ph.D., Drew University, 1931, 1934, 1940; LL.D., Nebraska Wesleyan University, 1947; L.H.D., American University, 1960. Study as Delaplaine-McDaniel Fellow at Mansfield College, Oxford, University of Basel, and University of Zurich. Associate Professor of Classics, Willamette University, 1937-42, Dean of Freshmen, 1939-41, and Vice-President, 1941-42; President of College of Puget Sound, 1942-.
CHARLES THOMAS BATTIN, Ph.D.  
Professor Emeritus of Economics
A.B., Ottawa University, 1913; Ph.D., University of Chicago, 1937. Student at the University of Rochester, 1915-16; University of Kansas, Summer, 1917; University de Montpellier, 1919; University of Chicago, Summer, 1940. Instructor of Sociology and Economics, Ottawa University, 1916-17; Manager, Foreign and Commercial Department, Cia Expresse Federale, Río de Janeiro, 1920-24; Research Assistant, University of Chicago, 1924-26; Professor of Economics, College of Puget Sound, 1926-43 (with the National War Labor Board as Wage Stabilization Director for Alaska, 1943-45) and 1945-55; Emeritus, 1955-.

COOLIDGE OTIS CHAPMAN, Ph.D.  
Professor Emeritus of English
A.B., Cornell University, 1924, A.M., 1925, and Ph.D., 1927. Instructor in English, Williams College, 1927-31; Visiting Professor, Cornell University, Summers, 1946, 1947 and Resident Doctor, 1949-50, and 1955-56; Associate Professor of English, College of Puget Sound, 1932-37, and Professor, 1937-59; Emeritus, 1959-.

LYLE FORD DRUSHEL, A.M.  
Dean Emeritus of Women
A.B., College of Puget Sound, 1912; A.M., New York University, 1936. Teacher, Public Schools, 1912-17, 1919-27; Dean of Women and Assistant Professor of English, College of Puget Sound, 1931-44 and Associate Professor, 1944-53; Emeritus, 1953-.

HELEN MCKINNEY FOSSUM, Ph.D.  
Professor Emeritus of Romance Languages
A.B., University of Kansas, 1918, and A.M., 1926; Ph.D., University of California, 1936. Student at Columbia University, Summer, 1921; University of Paris, 1924, Summer, 1939 and second semester 1948-49. Associate Professor and Dean of Women, Central College, 1922-30; Head of Language Department and Dean of Women, Golden Gate Junior College, 1933-36; Associate Professor of French, Adams (Colorado) State Teachers College, 1936-38; Assistant Professor of French, College of Puget Sound, 1938-40, Associate Professor, 1940-42, and Professor, 1942-59; Emeritus, 1959-.

FREDERICK ANSTON McMILLIN, M.S.  
Professor Emeritus of Geology
A.B., Willamette University, 1916, and M.S., 1917. Research in High Explosives, United States Navy Laboratory, 1917-19. Graduate Student and Instructor in Chemistry, University of Washington, 1920-23; Head of the Department of Chemistry and Geology, Idaho Technical Institute, 1923-24; Assistant Professor of Chemistry, College of Puget Sound, 1924-25, Associate Professor of Chemistry, 1925-27, Associate Professor of Chemistry and Geology, 1927-32, and Professor of Geology, 1932-44 (US Geological Survey, 1944-46), 1946-56; Emeritus, 1956-.

BERTHA WOOD ROBBINS, Ph.B.  
Assistant Professor Emeritus of Spanish
Ph.B., DePauw University, 1903. Principal, "Instituto Ingles," Callao, Peru, 1903-06; Teacher and Interpreter, La Paz, Bolivia, 1907-08; Interpreter for the United States Immigration Department; Instructor in Spanish, College of Puget Sound, 1929-44 and Assistant Professor, 1944-46, 1949-50; Emeritus, 1950-.

CHARLES ARTHUR ROBBINS, A.B., LL.D.  
Bursar Emeritus
A.B., DePauw University, 1904; LL.D., College of Puget Sound, 1947. In business, Chile, Peru and Bolivia, 1906-11, and Tacoma, 1911-16; Diplomatic Service, United States Legation, Copenhagen, 1918-19; Bursar and Associate Professor of Spanish, College of Puget Sound, 1916-46; Emeritus, 1946-.

RAYMOND SANFORD SEWARD, Ph.D.  
Professor Emeritus of Physics
B.S., Pomona College, 1912; A.M., University of California, 1921; Ph.D., Stanford University, 1930. Teacher, California Secondary Schools, 1913-23; Professor of Physics, College of Puget Sound, 1923-55; Emeritus, 1955-.

JAMES RODENBURG SLATER, A.M., M.Pd., D.Sci.  
Professor Emeritus of Biology
Litt.B., Rutgers College, 1913; A.M., Syracuse University, 1917, and M.Pd., 1919; D.Sci., College of Puget Sound, 1954. Principal, Normal Department Leland University, 1914-15; Professor of Biology, College of Puget Sound, 1919-51; Emeritus, 1951-.

BLANCH WHITTIER STEVENS, M.S.  
Professor Emeritus of Home Economics
B.S., Stout Institute, 1919; M.S., Oregon State College, 1929. Head of Trade Dressmaking Department, Stout Institute, 1912-14; Head of Home Economics Department, Washington State Normal School, Cheney, 1914-20; Instructor in School of Home Economics, Oregon State College, 1920-27; Associate Professor of Home Economics, College of Puget Sound, 1927-30, and Professor, 1930-41; Emeritus, 1942-.
ROBERT GRANT ALBERTSON, A.B., B.D. Assistant Professor of Religion, and Director of Religious Activities

GORDON DEE ALCORN, Ph.D. Professor of Biology
B.S., College of Puget Sound, 1930; M.S., University of Washington, 1933, and Ph.D., 1935. Associate Professor of Botany, University of Idaho, 1935-37; Professor of Biology, Grays Harbor Junior College, 1937, Vice-President, 1939-43, and President, 1945-46; Lecturer, War Manpower Commission, 1943-45; Associate Professor of Biology, College of Puget Sound, 1946-47, and Professor, 1947-.

MARY CLARA ALLISON, Ph.D. Professor of Romance Languages
A.B., College of Idaho, 1926; A.M., Northwestern University, 1928; Ph.D., University of Washington, 1952. Professor of French, College of Idaho, 1928-37; Teacher, Public Schools, 1938-42; Instructor in Romance Languages, University of Washington, 1943-49; Associate Professor, Luther College, 1952-54; Professor of Modern Languages, Albion College, 1954-57; Professor of Romance Languages, College of Puget Sound, 1958-.

NORMAN RODERICK ANDERSON, M.S. Associate Professor of Geology

BURTON CURTIS ANDRUS, B.A. in B.A. Consulting Professor in Business Administration

OTTO GEORGE BACHIMONT, A.M. Associate Professor of German
A.B., Wartburg College, 1927, and University of Iowa, 1929; A.M., University of Iowa, 1930. Graduate study at the University of Iowa, Summers, 1930-31; at the University of Wisconsin, 1933-35; at Gonzaga University, Summer, 1944; at Washington State College, 1948; at the University of Washington, 1948-49; at the University of Guadalajara, Summer, 1953; and at the Johann Wolfgang Goethe University, Summer, 1958. Instructor, Wartburg College, 1930-33; Graduate Assistant, University of Wisconsin, 1933-35; Professor, Knoxville College, 1935-36; Professor, Whitworth College, 1936-48; Assistant Professor of German, College of Puget Sound, 1948-52, Associate Professor, 1952-53, and Associate Professor of German and Spanish, 1953-.

WILBUR HOWARD BAISINGER, Ph.D. Associate Professor of Speech

RICHARD J. BAKER (Major, USAF) Assistant Professor of Air Science
A.B., Sacramento State College, 1952. Assistant Professor of Air Science, University of Puget Sound, 1959-.

WILLIAM GERARD BANKS, A.M. Bursar
A.B., Centenary College, 1927; A.M., University of Virginia, 1930. Graduate study at University of Chicago, Summers, 1938-40; University of Texas, Summer, 1939, Teaching Fellow in Physics, University of Virginia, 1927-28 and 1929-30; Teaching Fellow in Geology, University of Virginia, 1931-32; Instructor in Mathematics, Centenary College of Louisiana, 1932-41, Assistant Professor, 1941-43, Associate Professor, 1943-45, Professor, 1945-46. Bursar, Centenary College of Louisiana, 1933-35, and 1942-43, and Assistant to the President, 1943-45; Bursar, College of Puget Sound, 1946-.

HELEN WALDRON BAY, A.B. Registrar
A.B., University of Southern California, 1926. Assistant in Registrar's
Office, University of Southern California, 1926-41; Assistant in Registrar's Office, College of Puget Sound, 1950-53; Assistant Registrar, 1953-58, and Registrar, 1958-.

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China, Siberia, 1917-18; Graduate Assistant in European History, University of Pennsylvania, 1919; Educational Director, Hog Island Shipyards, 1918-19; Manager, Rogers Brown & Co., Sourabaya, Java, 1920; Agent, Assistant Manager and Manager, Metropolitan Life Ins. Co., 1921-56; President Tacoma Chamber of Commerce, 1934; U. S. Navy, 1942-45; Director in The Netherlands for the European Central Inland Transport Organization, 1945-46; Instructor in Business Administration, College of Puget Sound, 1955-56, Assistant Professor, 1956-57 and Consulting Professor, 1957-.

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