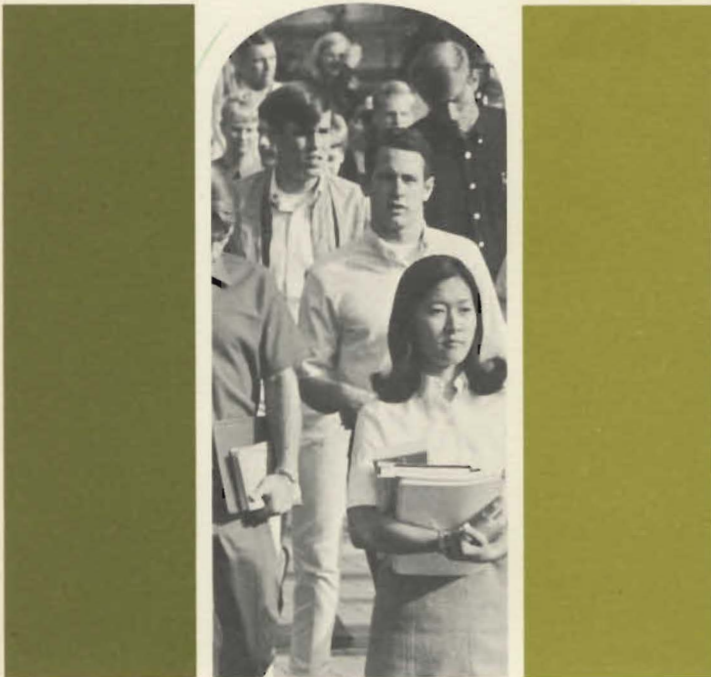


PACIFIC LUTHERAN UNIVERSITY

CATALOG - 1968





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Catalog for 1967-68*

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Objectives of the University

Pacific Lutheran University, born of the Reformation spirit, maintains the privilege of exploration and learning in all areas of the arts, sciences, and religion. The basic concern of Martin Luther was religious, but his rejection of church tradition as primary authority, and his own free search for religious truth, served in effect to liberate the modern mind in its quest for all truth. The total impact of Luther's stand has permanently shaped the modern world and helped provide the modern university with its basic methodology.

Pacific Lutheran University is a community of professing Christian scholars dedicated to a philosophy of liberal education. The major goals of the institution are to inculcate a respect for learning and truth, to free the mind from the confinements of ignorance and prejudice, to organize the powers of clear thought and expression, to preserve and extend knowledge, to help men achieve professional competence, and to establish lifelong habits of study, reflection, and learning. Through an emphasis on the liberating arts, the University seeks to develop creative, reflective, and responsible persons. At the same time, the acquisition of specialized information and technical skill is recognized as a condition of successful involvement in the modern world. The University seeks to develop the evaluative and spiritual capacities of the student and to acquaint him honestly with rival claims of the true and the good. It encourages the pursuit of rich and ennobling experiences and the development of significant personhood through an appreciation of man's intellectual, artistic, cultural, and natural surroundings. The University affirms its fundamental obligation to confront liberally educated men with the challenges of Christian faith and to instill in them a true sense of vocation.



By providing a rich variety of social experiences, Pacific Lutheran University seeks to develop in the student a joy in abundant living, a feeling for the welfare and personal integrity of others, good taste, and a sense of social propriety and adequacy. Distinguishing between personal Christian ethics and normal social controls, the University adopts only such rules as seem necessary for the welfare of the educational community.

The physical development of the student is regarded as an integral part of his liberal education. Hence the University encourages participation in physical activities and respect for health and fitness.

Professing a concern for the entire nature of man, the faculty of the University encourages wholesome development of Christian faith and life by providing opportunities for worship and meditation, offering systematic studies of religion and encouraging free investigation and discussion of basic religious questions. The University believes the essence of Christianity to be personal faith in God as Creator and Redeemer, and it believes that such faith born of the Holy Spirit generates integrative power capable of guiding men to illuminating perspectives and worthy purposes. The University community confesses the faith that the ultimate meaning and purpose of human life are to be discovered in the person and work of Jesus Christ.

As an educational arm of the Church, Pacific Lutheran University provides a locus for the fruitful interplay of Christian faith and all of human learning and culture, and as such holds it a responsibility to discover, explore, and develop new frontiers. Believing that all truth is God's truth, the University, in achieving its educational and spiritual goals, maintains the right and indeed the obligation of faculty and students to engage in an unbiased search for truth in all realms.

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School Calendar 1968-69

Summer Session, 1968

Registration begins 8:30 a.m.	Saturday, June 15
Classes begin 7:30 a.m.	Monday, June 17
First term ends	Friday, July 19
Classes begin—2nd term	Monday, July 22
Summer Session closes	Friday, August 23
Baccalaureate/Commencement	Friday, August 23

First Semester 1968-69

Orientation days	Sunday, September 8-Wednesday, September 11
Registration	Monday, September 9-Wednesday, September 11
Classes begin 7:50 a.m.	Thursday, September 12
Last date for adding a course	Wednesday, September 25
Last date for discontinuing a course without receiving a grade	Wednesday, October 9
Mid-semester	Friday, November 8
Thanksgiving Recess begins 12:30 p.m.	Wednesday, November 27
Thanksgiving Recess ends 7:50 a.m.	Monday, December 2
Christmas Recess begins 10:00 p.m.	Friday, December 20

1969

Christmas Recess ends 7:50 a.m.	Monday, January 6
Examinations	Monday, January 20-Friday, January 24
Semester ends	Friday, January 24

Second Semester 1968-69

Registration	Wednesday, January 29-Friday, January 31
Classes begin 7:50 a.m.	Monday, February 3
Last date for adding a course	Thursday, February 13
Last date for discontinuing a course without receiving a grade	Thursday, February 27
Mid-semester	Friday, March 21
Easter Recess begins 6:00 p.m.	Friday, March 28
Easter Recess ends 7:50 a.m.	Tuesday, April 8
Examinations	Monday, May 26-Friday, May 30
Memorial Day (classes meet)	Friday, May 30
Semester ends	Friday, May 30
Baccalaureate Service, 11:00 a.m.	Sunday, June 1
Commencement 3:30 p.m.	Sunday, June 1



HISTORY

Founded in 1890 by the Rev. Bjug Harstad, Pacific Lutheran University has occupied the same location since its beginning.

Although named Pacific Lutheran University, the institution opened as an academy on October 14, 1894 and became a junior college in 1921. Ten years later, it was organized into a three-year normal school, which became a college of education in 1939. In 1941, still a small and struggling institution, it assumed the role of a college of liberal arts. It was known as Pacific Lutheran College from 1920 until 1960, when, because of a restructuring of its organization, it again assumed its original name, Pacific Lutheran University.

Two Lutheran institutions have merged with the University—Columbia College of Everett, Washington in 1920, and Spokane College of Spokane, Washington in 1930.

Beginning about 1945, the University experienced great growth, benefiting from dynamic leadership, as well as from factors which led to the expansion of higher education on a national scale. Today it operates with an academic structure embracing a College of Arts and Sciences and a College of Professional Studies; the latter including a School of Business Administration, a School of Education, a School of Fine and Applied Arts, and a School of Nursing. A Division of Graduate Studies offers work leading to the Master's degree in a number of areas.

Robert Mortvedt, who was elected in 1962, is the eighth president of the University. Other presidents, all deceased, were: Bjug Harstad, 1890-95, 1897-98; Ole Gronsberg, 1895-97; Nils J. Hong, 1898-1918; John U. Xavier (acting), 1920-21; Ola J. Ordal, 1921-28; Oscar A. Tingelstad, 1928-43; Seth C. Eastvold, 1943-62.

LOCATION

Nestled in the southern reaches of Puget Sound in the heart of the Evergreen Playground lies Tacoma, Washington, a metropolitan area with a population of over 250,000 persons. The University is located in Parkland, one of Tacoma's unincorporated suburbs. The campus is seven miles south of the city center and is adjacent to one of the main arterials, the Mt. Rainier highway.

Towering mountain peaks flank the beautiful natural setting of the Puget Sound country. Hundreds of streams course down to Puget Sound through evergreen forest slopes of the Olympic Mountains on the west and the Cascade Range on the east. Scores of lakes dot the area. The Evergreen Playground is ideal for boating, skiing, swimming, hiking, fishing and hunting.

OWNERSHIP AND SUPPORT

The University is owned and operated by Pacific Lutheran University, Inc., a Washington corporation whose purpose is to maintain a Christian institution of higher learning. Membership of this corporation coincides with the membership of the North Pacific District of the American Lutheran Church and

the membership of that portion of the ALC's Rocky Mountain District which is located in Idaho and Montana west of the Continental Divide.

The annual meeting of the corporation is held in conjunction with the annual convention of the North Pacific District.

Voting members include the members of the Board of Regents, and the pastors and lay delegates of congregations in the constituent area.

The University receives regular financial support from the American Lutheran Church, the Pacific Northwest Synod of the Lutheran Church in America and from the Pacific Lutheran University Alumni Association.

In addition to Church assistance, the University receives considerable support from individuals, organizations and businesses throughout the nation and world.

GOVERNMENT

The policy-making and governing body of the University is the Board of Regents. On the basis of recommendations made by the President, it charts a course for the development of the total program of the University and strives to provide essential funds.

The University corporation's constitution provides for 29 regents of whom 25 are elected for three-year terms. Fifteen regents represent the North Pacific and Rocky Mountain Districts of the American Lutheran Church, six are chosen by the Pacific Northwest Synod of the Lutheran Church in America, three represent the PLU Alumni Association, and three are chosen at large by the Board of Regents. The President of the University and the President of the North Pacific District are regents by virtue of their position.

ACCREDITATION

Pacific Lutheran University is fully accredited by the Northwest Association of Secondary and Higher Schools as a four-year institution of higher education and by the Washington State Board of Education for teacher education. The University is accredited by the National Council for the Accreditation of Teacher Education for the preparation of elementary and secondary teachers with the Master's degree as the highest degree approved.

The University is a member of the Association of American Colleges, the American Council on Education, the National Lutheran Educational Conference, the Northwest Association of Private Colleges and Universities, and the Independent Colleges of Washington, Incorporated. The School of Nursing is accredited by the National League for Nursing. The University is approved by the American Association of University Women and by the American Chemical Society.

STUDENT BODY

Approximately 4,000 students will be served by the University during the current school year and summer session. Full-time enrollment each semester is about 2,100. While the majority of the students come from the State of Washington, over 30 states and several foreign countries are represented. When it comes to religious affiliation, a majority are of the Lutheran faith, but some 20 other church groups are represented.

FACULTY

The University has a full-time teaching faculty of 125 persons. There are 40 part-time teachers, most of whom are connected with the late afternoon and evening program and the summer session. Qualities expected of faculty members include commitment to the Christian faith, deep concern for the individual student, excellent preparation in a recognized graduate school, and a desire and an ability to teach.

ALUMNI

The Alumni Association numbers over 6,000 persons, living all over the world. Members of the teaching profession comprise the largest segment of the alumni. Hundreds are engaged in the work of the Church as pastors, missionaries, parish workers and other specialties. PLU alumni serve their God, their fellow men and their countries in a host of other professions and vocations.

THE CAMPUS

Beautiful natural surroundings blended with modern buildings and facilities characterize the 126-acre campus of Pacific Lutheran. Stately Douglas fir trees, a variety of blooming and evergreen shrubs, lush green lawns and flower beds set off the buildings and make the campus attractive the year around. Majestic Mt. Rainier, rising to an altitude of 14,410 feet about 30 miles away, dominates the setting.

Campus outdoor recreational facilities include a nine-hole, 2,048-yard golf course, tennis courts, and athletic fields.

Most of the University buildings are located on what is termed the "upper campus." The "lower campus," below a slight hill to the south, is the setting for the athletic facilities, residence halls for men, a dining hall and apartments for married students.

The main campus is bounded by South 121st Street on the north and South 127th Street on the south, by Park Avenue on the east and South "I" Street on the west.

RADIO STATION

The University operates a non-commercial FM broadcasting station, KPLU-FM. It broadcasts on a frequency of 88.5 megacycles with 10 watts of power licensed by the Federal Communications Commission. Programming includes classical and popular music, news, network programming and educational programs originating at the University.

UNIVERSITY BUILDINGS

Academic

Tacoma-Pierce Administration Building, a two-story steel and concrete structure, was completed in 1960. It houses the administrative offices of the University, 21 classrooms, faculty offices, studios and master control for closed circuit television, and a chapel-auditorium seating 175 persons.

The Robert A. L. Mortvedt Library is a multi-media learning center containing over 140,000 published and recorded items and provides an optimum environment of comfort and privacy eventually capable of housing 1,000

persons at one time and 500,000 items. This two-story, plus basement, brick structure was completed in 1966.

Xavier Hall, built as a library in 1937 and remodeled in 1966-67, houses classrooms, faculty offices and central services.

Ramstad Hall, a three-story brick structure, was built in 1947 and added to in 1959. It contains laboratory, classroom, library, museum, research and office facilities for the departments of biology, chemistry, geology and physics.

Memorial Gymnasium, built in 1947, provides classrooms, and activity areas for the department of health and physical education, and accommodations for intramural and intercollegiate athletics. There is seating for 2,200 spectators in the gymnasium.

Eastvold Chapel, completed in 1952, seats 1,238 persons and is used for daily chapel, concerts, special events and plays. The multi-purpose structure also contains classrooms, work areas, stage and a radio studio for the department of speech; studios, library, ensemble practice rooms and individual practice rooms for the department of music; a devotional chapel and offices for the student congregation.

The Classroom Building, built in 1947, is a two-story brick veneer structure which has four classrooms, faculty offices, a stage, kitchen and photography laboratory.

The Art Building, a two-story frame building, contains classroom, laboratory and offices for the department of art.

The Swimming Pool, completed in April, 1965, has a swimming area 42 by 75 feet and a diving area 30 by 35 feet. Shower, locker and dressing rooms are located in the 133 by 145 foot structure.

Service Buildings

The College Union Building, completed in 1955 and added to in 1959, contains a cafeteria, Chris Knutzen Fellowship Hall, bookstore, coffee shop, recreational and social lounges, offices for student publications and government and a small dining room. A new University Center is in the planning stage with construction scheduled to begin in 1968.

Columbia Center, a two-story frame and masonry structure completed in 1962, contains a cafeteria, coffee shop, bakery and pro shop for the University Golf Course.

The Student Health Center houses offices for the University doctors and nurses, out-patient treatment areas, and beds for day patients.

The Warehouse and Shops are used for the storage of equipment and the maintenance of the physical plant.

Residence Halls for Men

U. L. Foss Hall, a three-story residence for 188 students, has 16-men living units and is divided into Nordic House (north half), and Olympic House (south half).

J. P. Pflueger Hall, a three-story residence accommodating 194 men, is divided into Summit House (east half), and Viking House (west half).

Tingelstad Hall, a nine-story residence for 392 men, is made up of four

distinct houses each having two floors and named as follows: Cascade House, floors 2 and 3; Ivy House, floors 4 and 5; Evergreen House, floors 6 and 7; and Alpine House, floors 8 and 9.

These three men's residence halls are modern buildings and have lounges, study rooms, typing rooms, self-service laundry and TV viewing rooms. The halls are divided into houses of about 94 men. Each house is a cohesive unit designed to encourage greater participation in the intramural, social, recreational, and academic programs.

Residence Halls for Women

Harstad Hall, a six-story solid brick building completely refurbished in recent years, accommodates 250 students. It has three lounges, a recreation room, self-service laundry and kitchen facilities.

Hinderlie Hall, for 131 students, forms the south side of a quadrangle area for women's housing. It overlooks the lower campus.

Hong Hall, for 115 students, makes up the east side of this quadrangle and is closest to the heart of the campus.

Kreidler Hall, for 126 students, forms the west side of this quadrangle, and is on the west edge of the campus.

Ordal Hall, for 184 students, is adjacent to Stuen Hall and forms the north edge of the quadrangle.

Stuen Hall, for 109 students, is located directly north of Hong Hall.

The five residence halls in this quadrangle area are modern three-story buildings each having large lounges, study lounges, typing rooms, kitchens, self-service laundries, and other facilities used in common.

Other living units

The President's Residence is a brick rambler located on the corner of Park Avenue and South 123rd Street.

University apartments are two- and three-bedroom one-story frame units for rental by married students.



Admissions

The student body at Pacific Lutheran University is carefully selected. The University adheres to the practice that every student accepted should possess the high academic and personal traits which experience has shown will enable him to succeed in college work.

In judging the qualifications of applicants, the Committee on Admissions usually adheres to the following basic requirements:

1. Graduation from an accredited high school or evidence of satisfactory work at another college of recognized standing.
2. Satisfactory grade point average and satisfactory rank in high school graduating class.
3. Satisfactory scores on the College Entrance Examination Board Scholastic Aptitude Test. Scores on this test are not required of students transferring from other colleges.
4. Evidence of good moral character.

RECOMMENDED HIGH SCHOOL COURSE

It is recommended, but not required, that the high school course of an applicant include: English, 4 units; elementary algebra, 1 unit; plane geometry, 1 unit; social studies, 2 units; one foreign language, 2 units; one laboratory science, 1 unit; electives, 5 units.

ADMISSION PROCEDURES

Applicants seeking admission should write to the Director of Admissions requesting the necessary forms. Students planning to enroll for the Fall semester may submit their applications at any time after December 1st of the preceding year. The following credentials are required:

1. Formal Application. The standard application form, designed for Washington institutions of higher learning is used by Pacific Lutheran University. It may be obtained from high school counselors (by Washington applicants) or by writing the Director of Admissions. A ten-dollar non-refundable application fee should accompany the application or be mailed separately. This is a service fee and is not applied to the student's account. Checks or money orders should be made payable to Pacific Lutheran University and sent to the Director of Admissions.

2. Transcript of Credits. High school transcripts must include all work pursued through the final semester of the junior year. Students who have been graduated prior to submitting their applications are required to present complete academic records. Transcripts of transfer students must include all college work completed to date.

3. References. Two character and academic evaluations, prepared by counselors, pastors, or other qualified persons, are required. Forms for this purpose may be obtained from the Admissions Office.

4. College Entrance Examination Board Test. All entering freshmen must submit scores from the College Entrance Examination Board Scholastic Apti-

tude Test. Information concerning this examination may be obtained from high school counselors or from the College Entrance Examination Board, Box 1025, Berkeley, California 94701.

5. Physical Examination Report. Prior to registration, each student enrolling for twelve hours or more, must submit, at his own expense and on the form provided, a physical examination report acceptable to the Student Health Service of the University. Until this report is approved, the student is not officially admitted. All foreign students are required to report to the Health Center upon arrival at the University for instructions concerning various tests which may be required.

6. Tuition Deposit. A fifty-dollar advance payment on tuition is due immediately following acceptance. This payment is credited to the student's account and is applicable at the beginning of the term for which the student has been accepted. If unforeseen circumstances necessitate cancellation of the enrollment reservation, the amount will be refunded, *if* the Director of Admissions is notified in writing prior to May 1. The final refund date for second semester applicants is January 15.

Early Decision Policy

Following completion of his junior year in high school, an applicant who has chosen Pacific Lutheran University as the institution he wishes to attend, may be provisionally accepted for admission, contingent upon satisfactory completion of his high school course, provided he ranks in the upper twenty-five per cent of his class, and otherwise complies with the admission policies of the University.

Early Admissions Policy

A student, upon recommendation of the high school principal, may be eligible for early admission to Pacific Lutheran University, provided:

1. He has completed all graduation requirements, except full residence, and ranks in the upper ten per cent of his class;
2. He is assured by his high school administration that he may obtain his high school diploma upon the satisfactory completion of a specified amount of acceptable college work;
3. He appears to possess the necessary emotional maturity, and
4. He otherwise complies with the admission policies of the University.

Transfer Students

Students desiring to transfer from accredited institutions of collegiate rank must submit to the Director of Admissions: a formal application for admission, complete official transcripts including a statement of honorable dismissal, recommendations from two references, and a physical examination record.

1. Credit will be granted for subjects which meet the requirements for the field of work chosen by the student and for which he has made grades of not less than "C."
2. Credit for subjects in which the student has a grade of "D" will be withheld until he has successfully completed one semester's work at the University.

3. Courses taken at a junior college are normally transferable if completed while the student is classified as a freshman or sophomore.
4. In order to be a candidate for a degree, the student must take the final 30 semester hours in residence.

Credits previously earned by transfer students in unaccredited schools are not transferable at the time of admission. An evaluation of such courses, and a decision relative to their transferability, will be made after the student concerned has been in attendance at Pacific Lutheran University for one semester.

Admission of Non-Degree Students

Persons eighteen years or older who desire to enroll for eleven semester hours or less may be admitted as non-degree students without submitting applications for *regular status*. However, such students must have previous academic records which are acceptable in order to be permitted to carry more than seven hours. Credits earned in this manner will be evaluated as to their acceptability when the student, as a result of formal application and acceptance, becomes a regular student; that is, a candidate for a degree. Non-degree students who wish to transfer credits to another institution will be issued transcripts which clearly indicate the non-degree status.

Re-admission of Former Students

Full-time students who have not been in attendance for one semester or more may seek re-admission by obtaining an application for re-entrance. Students who have been dropped for academic or disciplinary reasons must include a letter of petition to the Director of Admissions for reinstatement. Re-entering students who have attended another college in the interim must request that a transcript be sent from that institution directly to the Director of Admissions at Pacific Lutheran University. The residence requirements as stated in No. 4 above for transfer students are also applicable for re-entries.

Auditors

Students, who are properly registered and have paid the required fees, may audit certain courses. Such students are permitted to attend classes but may not participate or receive credit. Laboratory or activity courses are not open for auditing purposes.

Admission to the Division of Graduate Studies.

The procedure for admission to the Division of Graduate Studies is outlined in the section *Academic Organization*.

Honors at Entrance

The University confers Honors at Entrance in accordance with the provisions of a coordinated program formulated by colleges and universities which are members of the College Entrance Examination Board. Recognition is given for outstanding achievement in high school and in anticipation of superior performance at the college level. The awards are not made in recognition of financial need and carry no grants.

Advanced Placement Opportunities

1. *Via the Advanced Placement Program of the College Entrance Examination Board.* Students who have received scores of 3, 4, or 5 on C.E.E.B. Advanced Placement Examinations may be given both advanced placement and credit toward graduation. Exact provisions are dependent on the subject matter field, and inquiries are welcomed by the Admissions Office.
2. *Via Local Advanced Placement Examinations.* A number of the departments and schools of the University offer their students the opportunity of taking placement examinations so that they may be accurately advised as to the level at which they can most advantageously begin their college studies. When a student receives a superior score on such an examination, and when his study of the subject matter was not a necessary part of the course work which won him his high school diploma, credit can be granted toward graduation. Inquiries are welcomed by the academic deans from those students who might be eligible for such credit.



Finances

It is the policy of the University to maintain high educational standards at as low a cost as possible. The support of the cooperating Lutheran churches and friends who contribute toward the operation of the school enables the University to charge a lower tuition rate than would otherwise be possible.

TUITION (semester)

General Tuition, 12-17 hours	\$525.00
Part-time tuition, per semester credit hour (Enrollment for 11 credit hours or less)	44.00
Excess credits tuition, above 17 hours, per credit hour	30.00

GENERAL FEES (semester)

General fee, per semester, 12 hours or more*	\$ 37.50
(Includes support of the following services: Student Body activities, Accident Insurance, Health Service, Student Artist Series, Saga (yearbook), and Interecollegiate Athletics.)	
University Center Construction fee, per semester, 12 hours or more (Authorized by Associated Students, PLU)	6.00
Matriculation (Paid only by students entering for first time)	5.00

SPECIAL FEES

Audit (for full-time students only) per course	\$ 10.00
Audit (all other students) per credit hour	10.00
Late registration (applicable on and after the first day of classes)	10.00
Change of registration	5.00
Breakage ticket (chemistry students only)	10.00
Data Processing usage ticket (BA 317 students only)	5.00
Master's Thesis binding charge, per copy	5.00
Placement	5.00
Graduate nurse examination	8.00
Nursing, locker fee deposit to be paid in Clinical area (refundable)	1.00
Off-campus Physical Education activities: Bowling	16.00
Skiing	42.00
Beginning Typewriter, non-credit service course	20.00
Graduation	15.00
Student Parking	5.00
Student Health and Accident Insurance (24 hour, 12 month coverage) optional (Fee subject to change by Underwriter)	19.50

*Students who have special permission to reside on campus enrolled for less than 12 hours are required to pay the general fees.

PRIVATE MUSIC FEES

Casavant organ rent, one period daily, per semester	\$ 25.00
Organ rent, one period daily, per semester (electric)	10.00
Organ rent, two periods daily, per semester (electric)	15.00
Organ rent, Werner-Bosch, one period daily, per semester	15.00
Piano rent, one period daily, per semester	5.00
Piano rent, two periods daily, per semester	7.50

(No refund is made on the above fees)

Private instruction, per semester

Organ, orchestral instruments, piano, or voice	
One thirty-minute period per week	45.00
One sixty-minute period per week	75.00

BOARD AND ROOM

Board is furnished in the University Dining Halls at \$230.00 per semester for students rooming off campus, for three meals per day, except on Sunday, when the evening meal is not provided. Meals are not served in the Dining Halls during Thanksgiving, Christmas, and Easter vacations.

A \$5.00 fine will be levied for unauthorized furniture or room changes.

Room and board are furnished to resident students, per semester, as follows:

WOMEN (1968-69)

Harstad Hall, capacity 250 (74x36-inch beds)	\$ 400.00
Hinderlie Hall, capacity 131 (74x36-inch beds)	400.00
Hong Hall, capacity 115 (74x36-inch beds)	400.00
Kreidler Hall, capacity 126 (74x36-inch beds)	400.00
Ordal Hall, capacity 184 (74x36-inch beds)	400.00
Stuen Hall, capacity 109 (74x36-inch beds)	400.00
Delta Hall, capacity 40 (74x36-inch beds)	400.00

MEN (1968-69)

Foss Hall, capacity 188 (80x36-inch beds)	400.00
Pflueger Hall, capacity 194 (80x36-inch beds)	400.00
Tingelstad Hall, capacity 392 (80x36-inch beds)	400.00

FAMILY APARTMENTS

Two bedroom (10 units) including water, per month	\$ 40.00
Three bedroom (4 units) including water, per month	45.00
Evergreen Court (12 apts.) two bedroom, including all utilities, per month	75.00
Family apartment deposit	40.00

A deposit of \$40.00 must accompany a reservation for family apartments. This deposit will be held by the University until the occupant vacates the apartment, or *cancels his reservation*.

One month advance rent for apartments is required.



ESTIMATED COST PER SEMESTER

The following table will aid the students in estimating maximum expenses:	
Tuition	\$ 525.00
Board and room	400.00
General Fees	43.50
Books and supplies	80.00
	<u>\$1,048.50</u>

Add personal expenses and multiply by two to obtain estimated cost for one school year of nine months.

Changes in Rates

The University reserves the right to change its charges at any time without previous notice. However, after the beginning of any given semester no change will be made to be effective within the semester, except in case of extreme emergency.

PAYMENTS

Semester bills are due and payable at the time of registration. Students receiving scholarships, grants or loans must complete all necessary arrangements well in advance of registration.

New students are required to pay a \$50.00 deposit on tuition after acceptance and before May 1. This is not refundable after May 1 or January 15 for second semester applications.

Returning students, making application for re-entrance, are required to pay a \$50.00 deposit on tuition which is not refundable after May 1 or January 15 for second semester applications except for those who enter the armed service. Returning students who have paid this deposit, and who apply for residence hall accommodations during the time to be announced in the spring semester, will be given priority in making their room reservations for the next academic year.

The balance of the semester bill, after payment of the \$50.00 deposit on tuition, is due and payable at the time of registration.

Students unable to meet their semester bills in full may elect one of the following payment plans:

1. Students residing in the University residence halls pay at least \$400.00 in addition to the \$50.00 advance deposit before or at the time of registration. Students not residing in University residence halls pay at least \$200.00 in addition to the \$50.00 advance deposit before or at the time of registration. The balance is payable in two equal installments on October 15 and November 15 in the fall semester, and March 15 and April 15 in the spring semester.
2. Pre-payment plan: The University also offers an equal payment plan wherein monthly payments begin on July 1, 1968 and are completed on April 1, 1969 (details available on request).

A service fee of \$5.00 will be charged if any payment is not paid when due.

In addition to the special student loan funds described under Financial Aid,

the University has made arrangements with outside financial agencies to provide both deferred payment plans and plans for meeting educational expenses out of monthly income. The University has endorsed the United Student Aid Fund deferred payment plan. The University also endorses Education Funds, Incorporated, an equal monthly payment plan. Details of all loan plans are available from the Director of Admissions or Financial Aids officer.

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 bills have been paid, or until satisfactory arrangements have been made with the Business Office. Students will not be permitted to register for a new semester until all bills are paid for the previous term.

Credit for future services to be rendered to the University by the student cannot be used to meet the initial payment. Money due for work performed will be given only if the student's account is current.

REFUNDS

Partial tuition refund may be made when withdrawal from the University results from sickness or causes occurring beyond the control of the student. In no case will fees be refunded. Refund may be made in the following proportions.

One week or less	.....	90%
Between one and two weeks	.....	80%
Between two and three weeks	.....	60%
Between three and four weeks	.....	40%
Between four and five weeks	.....	20%
No refund after five weeks.		

Refunds on rooms will not be allowed in cash. However, if the student returns within the next two semesters, pro-rata allowance will be credited in the following proportions of occupation during the semester of withdrawal:

up to 2 weeks	.....	80%	3-4 weeks	.....	40%
2-3 weeks	.....	60%	4-5 weeks	.....	20%

No allowance will be credited if withdrawal occurs after the 5th week. If the student does not return, the allowance is forfeited.

Refunds on board will not be made for continuous absences of less than one week and no refund will be made for the first week's absence. A pro-rata refund will be made for necessary withdrawal from the University. No refund will be made for any University trips of any kind, such as choir, chorus, band, orchestra, athletics, and so forth.

DEPOSITORY FOR STUDENTS

Students desiring to leave cash in the Business Office may do so. This cash may be drawn out at the request of the student.

PERSONAL EFFECTS

The University is not responsible for the personal effects of the students or the faculty members. The University cannot be held accountable for any losses.

Financial Aid

The University recognizes an obligation to select, encourage and give opportunity to those persons who have the potential to make significant technical and cultural contributions. We will extend our financial aid program to the limit in order to admit particularly deserving students.

The financial aid program includes University scholarships, grants-in-aid, talent awards, loans and part-time employment. In addition the University has funds to award from the following Federal Programs:

College Work-Study—a program of employment in which the student, particularly one from a low-income family, is compensated for the number of hours he works for the institution.

National Defense Student Loans—a program of borrowing, primarily for needy students, in which the student has an obligation to repay his loan, with 3-percent interest within a 10-year period following college attendance.

Nursing Students Loan—Identical in most respects to National Defense Loans except interest is set at "the going federal rate," which in 1967 was 4 $\frac{3}{4}$ percent simple annual interest. Partial cancellation for those who enter professional nursing careers. Sophomores entering the School of Nursing are eligible if financial need exists.

Educational Opportunity Grants—a program of direct grants in which the student receives a non-obligating award of funds, based on exceptional financial need and evidence of academic or creative promise.

Guaranteed Loans—a program of borrowing, primarily for students from middle- or upper-income families. The student has an obligation to repay his loan with 3-percent (middle income) or 6-percent (upper income) interest.

Information concerning both University and Federal Programs is available from the Financial Aids Office.



The College Scholarship Service Parents' Confidential Statement is the only application necessary for requesting any of the forms of assistance available. This application must be submitted before March 1, and is available from the Director of Admissions or high school counseling offices. It is assumed that when requests for aid are received that the student's first choice is a scholarship. With this in mind the Committee decides the type of assistance which will be given. This may be one of the above aids or a combination grant.

Grants

Pastors and unmarried children of pastors are to be given grants in the amount of \$100 for each school year. These grants are to be awarded only during the second semester in attendance and only if such students receive the main support of their university expenses from their parents and provided that the students are registered for at least twelve hours each semester during the school year.

Recognized dependents (not including married children) of faculty/staff members may receive special grants, the amount to be announced at the time of registration.

Grants in the amount of \$25 per semester shall be given to each of two or more students from the same family attending school at the same time, provided that the main support for both is given by their parents, and provided they have not received any other University grant or award.

All grants must be applied for in the Business Office at or following registration and will be credited after eligibility has been established.

Talent Awards

A limited number of awards are made to students in the fields of speech, drama, music and athletics.

To be eligible applicants must have satisfactory academic records and unusual proficiency in one or more of the above fields.

Student Loan Funds

The University administration can assist students who are in need of financial assistance through various student loan funds. In addition to the loan plans outlined under "Payments" in this catalog, the University has the following restricted loan funds from which assistance is available:

Alumni Association Loan Fund	Marie Huth Loan Fund
American Lutheran Church Women Loan Fund	Gerhard Kirkebo Memorial Loan Fund
Anton Anderson Loan Fund	Jeanette Olson-Diana Paul-Miriam Stoa Memorial Student Loan Fund
John S. Baker Loan Fund	J. P. Pflueger Student Loan Fund
J. P. Carlstrom Memorial Loan Fund	O. J. Stuen Alumni Loan Fund
Delta Kappa Gamma Student Loan Fund	O. A. Tingelstad Loan Fund
Lily C. Ekern Fund	Women's Club of Tacoma Revolving Loan Fund

Scholarships

Annual scholarships range in amount from \$100 to \$1,000 and are granted to students of high academic achievement who show evidence of financial need.

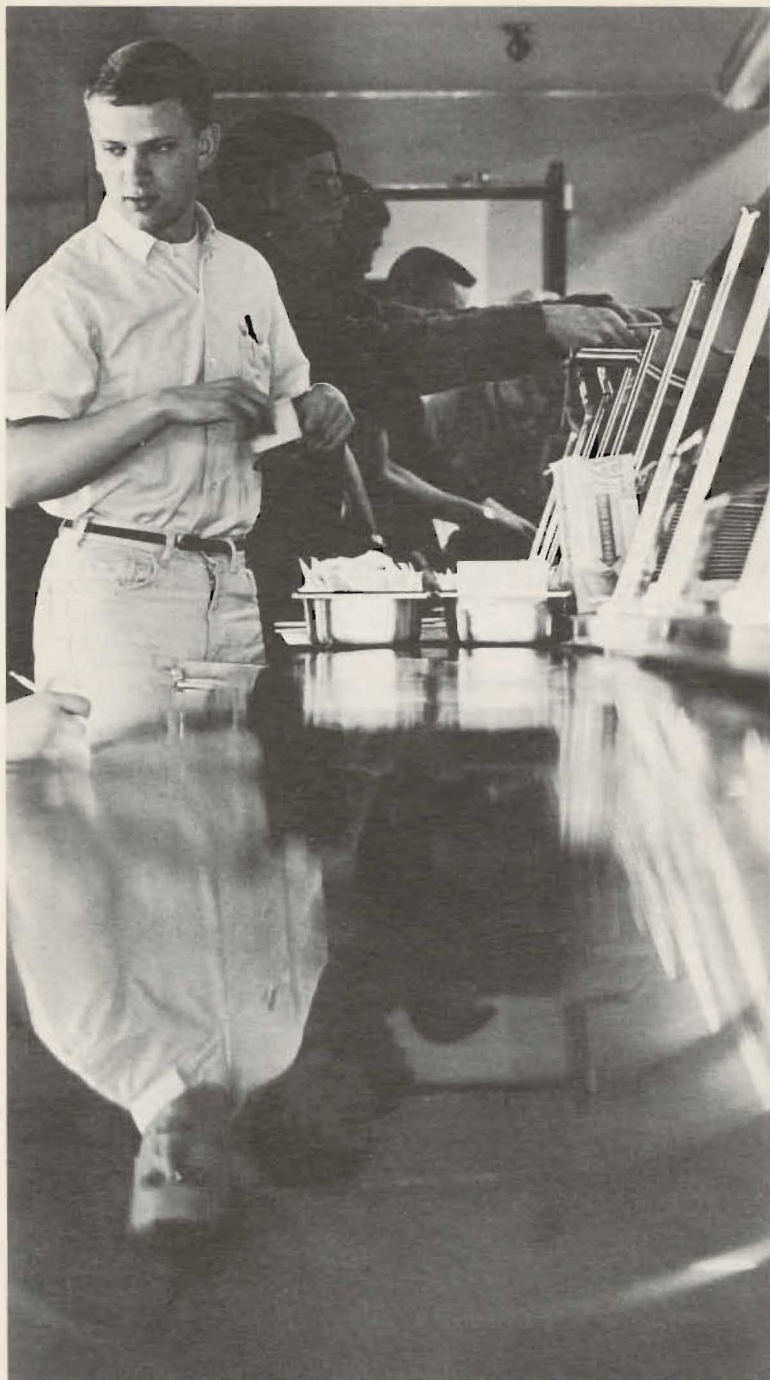
To be eligible for consideration a student must have at least a 3.3 average and rank in the upper 10 percent of his class. Scholastic ability must be further reflected in scores on the CEEB Scholastic Aptitude Test.

Applications for renewal of scholarships must be submitted prior to April 1.

In addition to its own scholarship fund, the University has at its disposal the following restricted scholarship funds which are awarded primarily to those students who have completed their first year:

- | | |
|---|--|
| Aid Association for Lutherans
Scholarship | Lute Club Scholarship(s) |
| Altrusa Club, Tacoma Chapter,
Scholarship | Lutheran Brotherhood Legal
Reserve Life Insurance Co.
Scholarships |
| Alumni Scholarship Fund | Mu Phi Epsilon, Tacoma
Professional Chapter,
Scholarship |
| American Association of
University Women Scholarship | Women of Rotary Scholarship |
| O. A. Brown Fund | Siqueland Youth Scholarship,
sponsored by North Pacific
District Luther League |
| Dr. and Mrs. W. B. Burns Fund | Social Service Scholarship Fund
of the Division of Charities,
The American Lutheran Church |
| Ida A. Davis Fund | Tacoma Lumbermen's Scholarship |
| Faculty Memorial Scholarship Fund | Rev. and Mrs. Halvor
Thornodsgard Scholarship |
| Rebecca Schoenfeld Gardner and
Joseph Gardner Scholarship | Tuberculosis Association of
Pierce County Scholarship |
| The Dr. and Mrs. O. L. Haavik
Scholarship | Women's Auxiliary of Pierce
County Medical Society
Scholarship |
| Olaf Halvorson Scholarship | |
| W. H. Hardtke Seminary Student
Scholarship Fund | |
| Rev. Karl Kilian Memorial Fund | |
| Ladies of Kiwanis Award | |
| Drs. Larson, Wicks, and Reberger
Scholarship in Medical Technology | |
| Ludvig and Clara Larson
Scholarship | |





Student Life

Pacific Lutheran University provides extensive services to assist students in making their educational experience and personal lives more profitable and satisfying. In addition to providing an intellectual environment, the University is sensitive to the need of providing sufficient resources to aid its students in their total development. The University conducts and supports numerous services and activities which supplement the basic course of study. The services described below, which are co-ordinated by the Vice-President—Student Affairs, have developed over a period of time and exist for the sole purpose of serving the student body.

POLICIES GOVERNING COMMUNITY LIFE

The University admits students with the express understanding that they will cheerfully comply with its regulations in every respect and conduct themselves as ladies and gentlemen.

All students are expected to conform to expected standards of behavior which include conforming to state and local laws.

Any student whose behavior is dishonest, destructive, unethical, immoral, or in any way reflects unfavorably upon the student body, or whose conduct is prejudicial to the good name of the University, shall be subject to disciplinary action which may result in suspension, dismissal or expulsion from the University.

Gambling and the use of intoxicating liquors are strictly forbidden. Additional specific listings and definitions of the University regulations are available in a separate publication.

OFFICE OF STUDENT AFFAIRS

The Office of Student Affairs is directly responsible for the organization and programming of the residence halls and other student living arrangements; new student orientation; foreign students; student government, and other student activities. It also offers individual attention to problems which arise in student life. Students are therefore encouraged to contact this office whenever they are concerned about aspects of University life not specifically related to curricular programs. The campus calendar is kept in this office, and all University events and activities are scheduled here.

ORIENTATION OF NEW STUDENTS

An orientation program to introduce students to University life is held for all new students at the beginning of the fall semester. Students take placement tests, familiarize themselves with University facilities, and become acquainted with fellow students and the faculty. Conferences are arranged with faculty advisers under whose guidance registration is completed.

CLASS ATTENDANCE

Regular attendance at classes is a basic educational policy of Pacific Lutheran University. A student who finds it necessary to be absent from his

classes should make arrangements with the instructor before the absence, or immediately thereafter. In all cases, it is the student's responsibility to make up work missed. If the student is careless in regard to attendance, the instructor may deem it serious enough to notify the Office of Student Affairs in order that a remedial action may be taken. Upon recommendation from the instructor, a student may be dropped from the course.

STUDENT HEALTH CENTER

The Student Health Service is established in the Health Center where it retains the services of physicians and nurses to aid in the preservation of the physical welfare of the students. The doctors are in attendance at regularly scheduled hours. Consultation, advice, and care of common ailments are available to all members of the student body carrying twelve or more credit hours. The staff of the Health Center will not make calls to residence halls or to any residence off campus. When chronic ailments are discovered, parents or guardians will be notified. The University cannot assume further responsibility. The University does not provide for extended medical care by the University doctors or examination or treatment by specialists. Every assistance will be given, however, in making arrangements for special medical or surgical care; when practical, the student is urged to avail himself of the services of his family doctor.

All new students and returning students or full-time graduate students, carrying twelve or more credit hours, who have not been in attendance at this institution for one year or more are required to have a complete physical examination by their home physician as a part of the admission requirement. (See Admission.) This examination report is kept by the Health Service and is available for ready reference by the University doctor and nurse.

The general fee, which is required of all students registered for twelve hours or more, includes treatment at the Health Center for minor disorders and includes accident insurance coverage to \$1,000.00 for any injury sustained and includes accident insurance coverage to \$1,000.00 for any injury sustained on the campus, at University sponsored and supervised activities, or in the course of the student's coming or going from the local place of residence to or from the University. All athletes participating in recognized intercollegiate sports are also afforded accident insurance coverage up to \$5,000.00 for injuries sustained, whether injury occurs during practice or during competition.

Health Insurance. In addition to the accident insurance described above, the University offers a voluntary Accident and Sickness Medical Expense Plan. The purchase of this plan extends the "on campus" accident coverage to a twenty-four hour, twelve-month plan and in addition provides benefits for sickness. Participation in this low cost plan is voluntary and available during registration only.

A brochure which outlines the benefits of the program is sent to new students before registration. Copies are available by writing to the Office of the Vice-President — Business and Finance.

COUNSELING AND TESTING CENTER

The general purpose of the Counseling Center is to assist students in making decisions related to the immediate problems of University adjustment and to the broader problems of effective living. Students typically see counselors for help in strengthening academic performance, developing career plans, solving situational problems, or improving self-understanding and personal relationships. Counselors work closely with other student services and may offer to arrange for consultation with one or more of them.

Career Planning. Most students are somewhat uncertain of their goals, and many find that counseling helps them to clarify their interests, abilities, and plans. Exploration of curricular offerings can lead to more effective use of University opportunities. Selection of a major may be deferred during the exploratory period. Special resources for career counseling include tests of individual interests, preferences, and general abilities, and a library of occupational and educational information.

Educational Adjustment. The abrupt change from high school to the demands of University classwork is sometimes difficult to make. Counseling can help some students to improve study methods, participate more effectively in class discussion, increase self-confidence and skill in taking tests, and understand the relevance of living conditions and physical health. Remedial classes or tutoring may be suggested as a means of balancing weaknesses in high school preparation.

Personal Counseling. Sometimes students find that personal concerns interfere with their University work. Indications of this may include difficulty in sleeping, inability to concentrate on lectures or tests, depressed feelings, or conflicts with others. Counseling has helped individuals with problems such as those involving military service, marriage, religion, finance, living conditions, relationships with family and other persons, or a general need for self-understanding and sense of direction.

Testing and Academic Placement. The Counseling Center uses various tests which students think might help them in career planning or other types of problem-solving. It also acts as a testing agency within a specified geographical area for a number of national or state programs, and within the University for some special departmental or graduate programs. Certain departments use test results along with high school records to assign students to class sections according to experience and ability.

VETERANS AFFAIRS

The University is approved by the Veterans Administration as an institution of higher education for veterans and invites veterans to use its facilities in acquiring and completing their education. Forms are available in the Registrar's Office.

Students, including any new transfer students, who will come under Public Law 634 (Orphans Bill) or the Veterans Readjustment Benefit Act of 1966 (New GI Bill), must contact the Veterans Administration Regional Office first for a certificate of eligibility and be guided by them thereafter. This

should be done as soon as possible after acceptance by the University and before arrival on campus. During registration all recipients of aid through the Veterans Administration should fill out the questionnaire provided by the Registrar.

In order to obtain full subsistence, undergraduate veterans and eligible orphans of veterans must carry fourteen semester hours. Graduate veterans should consult the Registrar concerning load for full subsistence, as this may vary. Orphans must carry at least seven semester hours to claim subsistence.

Veterans who have completed liberal arts courses through USAFI will receive credit as recommended by the American Council on Education.

CHAPEL AND CONVOCATION RESPONSIBILITIES

Pacific Lutheran University is avowedly an institution closely related to the church. The religious and spiritual objectives of the University are reflected in manifold ways—chapel services, student congregation, wholly voluntary activities, courses in religion, as well as in less defined activities.

For the total community, including faculty, the worship aspect of institutional concern has had its focus in the chapel services. Worship, it is believed, comes very close to the heart of the effort to attain the stated spiritual objectives.

Voluntarily attended chapel services on Monday, Wednesday, and Friday are held for juniors and seniors at Trinity, and required services for freshmen and sophomores at Eastvold Chapel on Monday, Wednesday, and Friday. The period from 9:50 to 10:20 a.m. on Thursdays is reserved for convocation, although convocations may not be held with regularity. Lower classmen are required to attend unless announced differently. Certain convocations may be scheduled in other hours during the day. So, as not to strike one period more than another, the hours will vary from time to time.

The period of 9:50 to 10:20 a.m. on Tuesdays will be reserved for the students. They may use it in any way appropriate to their needs and the University's basic philosophy.

FOOD SERVICE

The students living in residence halls are required to take their meals in one of the dining halls located on campus. The fee established for food service is based on the fact that not all students eat all meals; therefore, no deductions are made for students who eat fewer than three meals per day at the University, or who are absent on weekends. A charge is made for student guests. Students rooming off campus may board at the University cafeterias on a semester basis.

BOOKSTORE

The University maintains a book store in the College Union Building for the convenience of students. The store, operated on a strictly cash basis, sells books, stationery, school supplies and a wide variety of notions.



COFFEE SHOPS

The University operates two coffee shops, one in the College Union Building and the other in Columbia Center. These shops are open daily. Short orders are available for commuting students and campus visitors.

PLACEMENT SERVICE

The University, through the School of Education, maintains a placement service for students entering the teaching profession. A fee of \$5.00 is charged to cover the cost of records and correspondence necessary for placement of graduates receiving the degree of Bachelor of Arts in Education. An effort is made to place all graduates, but positions are not guaranteed. After the first position has been secured, a charge of \$1.00 will be made for each additional issue of credentials.

Graduates majoring in other fields are assisted by their respective major professors and deans in obtaining positions.

STUDENT EMPLOYMENT

The University aims to assist worthy and needy students by helping them to find employment. Applications for work should be made to the Student Financial Aid Office after a student has been accepted for admission. Students who will need work should apply early in the summer because the number of jobs available is limited.

EXTRACURRICULAR ACTIVITIES

In addition to stressing successful academic performance, the University challenges its students to profit by experience in extracurricular activities. Here also the student develops his leadership skills and learns how to work well with his neighbor. Students should not permit this type of activity to interfere with their regular academic pursuits.

A listing of student activities follows:

General

ASPLU SOCIAL ACTIVITIES BOARD—coordinator of all activities.

ASSOCIATED WOMEN STUDENTS—all full-time women students.

CIRCLE K—affiliate of National Kiwanis.

GAVEL CLUB—affiliate of national club.

INTERNATIONAL STUDENT ORGANIZATION—for students from foreign countries and interested American students.

MONTANA CLUB

PHILOKALEANS—an organization for students who have returned to school after an absence of three years or more.

PROPELLER CLUB—for students interested in maritime affairs.

YOUNG DEMOCRATS, YOUNG REPUBLICANS, YOUNG AMERICANS FOR FREEDOM—for those interested in political education and partisan activities.

Honorary and Service

- ALPHA KAPPA PSI—national professional business fraternity.
 ALPHA PHI OMEGA—national service fraternity for university men interested in Boy Scouts of America.
 BLUE KEY—national junior and senior men's service honorary.
 INTERCOLLEGIATE KNIGHTS—national service honorary for sophomore men.
 PI GAMMA MU—national social science honor society.
 SPURS—national service honorary for sophomore women.
 TASSELS—local honorary for senior girls.

Athletic

- PACIFIC NORTHWEST INTERCOLLEGIATE ATHLETIC CONFERENCE—area organization for intercollegiate athletics.
 LETTERMEN'S CLUB—social organization for men who have won letters in one or more major sports.
 MEN'S INTRAMURALS—for students wishing to participate in limited but not intercollegiate sports activities.
 SEASPRITES—a club for those interested in aquatic art.
 SKI CLUB—for students interested in individual or competitive skiing.
 VARSITY ROWING CLUB—for male students interested in crew racing.

Departmental

- AMERICAN CHEMICAL SOCIETY STUDENT AFFILIATE CHAPTER—a club for students interested in careers in the chemical sciences.
 DELTA IOTA CHI—for nursing students.
 FRENCH, GERMAN, NORWEGIAN, SPANISH CLUBS—for students interested in languages.
 KAPPA RHO KAPPA—for students interested in Greek.
 LINNE SOCIETY—for biology students.
 MATHEMATICS CLUB—for mathematics students.
 PHI CHI THETA—a national fraternity for women majoring in business.
 PHI EPSILON—for women students majoring in physical education.
 PSYCHOLOGY, SOCIOLOGY, HISTORY—for students interested in each study.
 STUDENT EDUCATION ASSOCIATION (Rho Lambda Chi)—local chapter of Student National Education Association.

Musical

- CHOIR OF THE WEST—a cappella choir interested especially in sacred choral music.
 MU PHI EPSILON—local chapter of National Music Sorority.
 ORGAN GUILD—student chapter of American Guild of Organists.
 THE AMBASSADOR QUARTET—a quartet from the music department.
 THE CHAMBER SINGERS—a 16-voice group selected from the University Chorale.

THE MADRIGAL SINGERS—an organization of trained voices singing both sacred and secular music.

UNIVERSITY CHORALE—singers interested in sacred choral music and oratorio.

UNIVERSITY CONCERT BAND—a performing concert organization. Various members of this group also participate in the Pep Band which performs at athletic contests.

UNIVERSITY ORCHESTRA—for instrumentalists who are interested in orchestral performance.

Religious

STUDENT CONGREGATION—under the leadership of the Pastor, John O. Larsgaard, is an organization designed to promote Christian life and to train the students for informed and active leadership in the church.

The Student Congregation is the Lutheran Students' Association (LSA) on this campus. It elects a Board of Deacons, a Board of Trustees, and a General Council annually and promotes a stewardship program. Students are invited to affiliate with this organization during their university career. This affiliation does not consist in a transfer from, nor affect in any way, their membership in the home congregation. Morning worship is conducted each Sunday in Eastvold Chapel, and the Lord's Supper is celebrated every Sunday in the Tower Chapel.

Prayer Service, College Affiliated Laymen's League (CALL), and League Interest Fellowship Teams (LIFT) are also organized under the Student Congregation.

Speech Arts

ALPHA PSI OMEGA—National honorary dramatic fraternity.

CURTAIN CALL CLUB—All students interested in all phases of performing theater.

FORENSIC SQUADS—Local organization for area and national competition in debate and individual speaking events.

KNIGHTTIME—Weekly programs presented over KPLU-TV (closed circuit television) for University community information. Open to participation by all students.

KPLU-FM—University owned radio broadcasting station. Participation open to all students.

PHI BETA—National fraternity for junior and senior women.

PI KAPPA DELTA—National honorary forensic fraternity.

Student Publications

MOORING MAST—weekly student newspaper.

SAGA—University yearbook.

AUTOMOBILES AND OTHER VEHICLES

The use and possession of automobiles and other motor vehicles in the campus area is a matter of privilege and not of right. Abuses may result in revoking such privileges. All who use an automobile or other motor

vehicle while attending the University must register in the office of Business Manager and purchase a permit which must be placed as directed on the vehicle.

SCHEDULING

All social and university activities arranged by departments, campus clubs, or groups of students must be scheduled through the office of the Dean of Women. Approved chaperones are required for all scheduled activities held either on or off campus. The scheduling of activities by students is the joint responsibility of the Dean of Women and the Social Activities Board.

PLACE OF RESIDENCE

Pacific Lutheran is a residential university. A student not living at home with his parents, guardian or spouse is required to live in a residence hall on campus unless he is at least 23 years of age. Each new and re-entering student must fill out the **STUDENT PERSONNEL FORM** received from the Office of Admissions.

A returning student, one who continues without interruption, applies for the next academic year by paying the \$50 deposit on tuition and by filling out the **APPLICATION FOR RESIDENCE HALL ACCOMMODATIONS** if he plans to live in a residence hall; or the **ADDRESS RECORD FORM** if he will be living at home with his parents, guardian or spouse.

If students cannot be accommodated in the residence halls, the University—*not the student*—makes the necessary provisions for housing.

ROOM RESERVATIONS AND ASSIGNMENTS

Application for a residence hall room by the new or re-entering student is made on the **STUDENT PERSONNEL FORM**, as explained above, after admission to the University has been confirmed. Priority for choice of hall is determined by the date the Student Personnel Form is received, and by the availability of space.

After the middle of the spring semester, on days that will be designated, students currently enrolled may apply for residence hall accommodations for the next academic year. Priority will be given to those who apply at that time and according to the availability of space. After that date, all room reservations, including those of new students, will be assigned in the order of receipt of application.

The room reservation will automatically be cancelled if a student has not arrived by the day prior to the beginning of classes. All room changes must be approved by the Director of Housing.

Housing assignments do not continue automatically from year to year. The University reserves the right to change a student's location or to close a housing unit whenever necessary.

RESIDENCE HALLS

The University maintains residence halls for students, over which the Office of Student Affairs has general supervision. All students assigned rooms in any

of the residence halls are required to continue residence in that hall for the academic year. The residence halls open on Sunday of Orientation Week, and close at 9:00 a.m. the day following the last scheduled examination. Students are not allowed in the halls in advance of the opening date, except by advance arrangements and payment of a special fee. Returning students should not return to the campus until the day they are to register, unless they are asked to come early.

The residence halls *will not* be open for occupancy during the scheduled university vacations, as announced in the catalog.

The residence halls have double and triple rooms with a limited number of single rooms. Mattress pads and bedspreads are furnished in all halls; draperies are provided in all except Harstad which has venetian blinds. All rooms are provided with single beds, chests of drawers, study desks, desk lamps, and chairs. Students furnish personal items including sheets, pillow cases, pillows, blankets and towels. Approved electrical items are radios, record players, clocks, typewriters, reading lamps, hair dryers, shavers, clippers and heating pads. Irons may be stored in the rooms but must be used only in the ironing room. Items which are not allowed and may not be kept at school are: sunlamps, electric blankets, TV's, hot plates, electric heaters and personal ironing boards. Any other electrical items must have the approval of the Director of Housing.

Occupants are held responsible for damage to the rooms or their furnishings. Cost of damages beyond the normal wear to residence halls, unless such damage has been identified with an individual, will be charged on a prorated basis among the group within the hall. The rooms are subject to inspection by representatives of the Office of Student Affairs. A final inspection of each room must be made before a student may leave at the end of a semester or at any time that he withdraws from the University. Final checkout from a residence hall is complete only with this inspection and after the key has been turned in. If there has been any damage for which the student is responsible, an assessment will be made and the student will be charged this amount.

HOUSING FOR MARRIED STUDENTS

The University maintains twenty-six apartments on campus for married students. Four of them are three-bedroom units, the remainder two-bedroom units. Each is partially furnished with an electric stove and a heater. Applications for family apartments should be made through the office of the Director of Housing. A \$40.00 deposit must accompany the application. These applications are processed according to the date they are received.



Summer Session

The Summer Session consists of two five-week terms and starts in the middle of June. The courses carry regular college credit and are of the same standard as those given during the regular school year.

The curriculum is designed for undergraduates working toward a baccalaureate degree, graduates working toward a master's degree, teachers seeking credentials, school administrators seeking practical courses, freshmen desiring to initiate college study, and others desiring special studies in the liberal arts.

Persons working toward a degree from the University or for a teaching certificate must observe the regular admission requirements of the University. Transient students who enroll for the summer session only need submit a letter of academic standing or give other evidence of being prepared for college study.

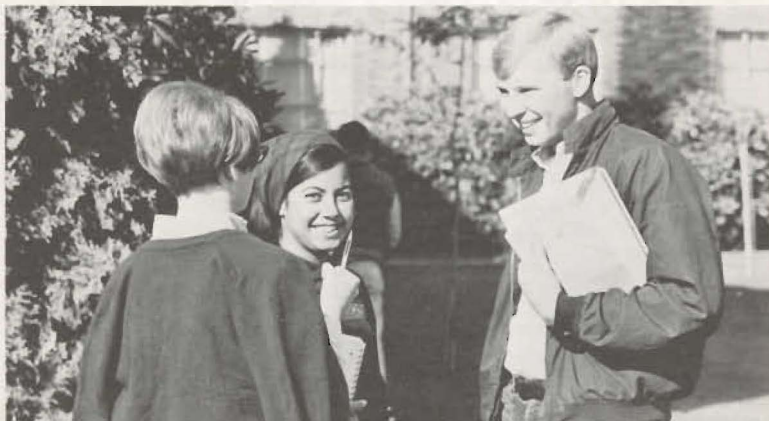
A complete catalog for the summer session is printed each spring. Write to the Director of the Summer Session for this publication and other information desired.

Late Afternoon and Evening Classes

To provide for the professional growth and cultural enrichment of persons unable to take a regular, full-time college course, the University conducts a program of late afternoon and evening classes. These courses are given mainly on campus.

A wide variety of courses are offered in the arts and sciences and in professional and graduate studies. There are specialized courses for teachers and school administrators, for persons in business and industry. The courses are of the same caliber as those offered during the regular session and are open to all who are eligible to take college work.

A special bulletin is printed each semester outlining the offerings, and is available from The Registrar of the University.



Academic Procedures

REGISTRATION

In consultation with their faculty advisers, students whose applications for admission have been approved should register on the days designated on the school calendar. Students who register after the days designated will be charged a late registration fee. (See section on Finance.) Students currently in attendance at the University should register in advance of each new semester.

In the spring semester, students who wish to return for the following academic year must apply for re-entrance by making a \$50 deposit on tuition. Priority in room assignments and choice of class offerings will be given to students who make this application during designated days which will be announced. Students who make application after the designated days will be accepted according to the space available in residence halls and classes.

New students, freshmen or transfers, may be invited to come to the campus to register during the summer. Regular faculty advisers will assist these students in planning their courses and in registering.

A student is not officially enrolled until his registration has been cleared by the Business Office and his Place of Residence form has been received by the Office of Student Affairs.

ADVANCED PLACEMENTS *See page (16)*

CREDIT BY EXAMINATION

Students are permitted, within limits, to secure credit by examination in lieu of regular enrollment and class attendance. The maximum amount of credit which may be earned in this way and applied toward a bachelor's degree will be determined by the deans in individual cases.

The charge for an examination for credit earned in this manner is \$30.00 per course. Arrangements for such examinations must be made by the student with the department chairman or school director and approved by the appropriate dean. Evidence of this approval and of the payment of the fee should be presented by the student to the professor who will administer the examination.

COURSE LOAD

The normal course load for full-time students is 16 hours per semester, including physical education activity. The minimum load for a full-time student is 12 hours. A credit hour represents one full period of prepared class work per week, or, if a laboratory subject, at least two periods per week for one semester.

Only a student with a B (3.0) average or better may register for more than 18 hours per semester without the consent of the dean of the college in which he is registered.

A student engaged in much outside work for self-support may be restricted to a reduced academic load.

CHANGES IN REGISTRATION

Changes in registration due to conflicts or errors in registration may be made without charge during the first week of the semester.

To withdraw from a class and/or add a class, the following procedure is to be followed:

1. Obtain the change of program card from the Registrar.
2. Obtain the necessary signatures.
3. Pay the \$5.00 change of registration fee at the Business Office.
4. Return change of program card to the Registrar.

The student is responsible for completing the above steps within one week after obtaining the change card.

AUDITING OF COURSES

Full-time Undergraduates

1. The fee for auditing is \$10.00 per course.
2. The auditor must secure the permission of the instructor and then register (in the usual way) as an auditor. His transcript will show the auditing record. He is expected to attend the classes with reasonable regularity, although he is not permitted to participate in class discussions. He is not held accountable for work in the course.
3. A student is not permitted to audit more than one course in any semester. Consultations with his adviser should precede the decision to audit.
4. Should a student subsequently wish to attempt to gain credit by examination in an audited course, the fee for the examination will be \$30.00. A student will not be allowed to seek credit by examination until the lapse of at least one semester after the termination of the audited course.

Graduate Students

Graduate students who wish to audit a course which has already been taken for credit may do so with the permission of the Director of Graduate Studies. The fee for auditing is \$10 per course.

Non-Degree Students

Mature individuals who wish to audit University courses may do so with the approval of the instructor and appropriate dean. The fee is \$10 per credit hour.

WITHDRAWALS

A student wishing to withdraw from the University must obtain a withdrawal card in the Academic Deans' Office, complete a withdrawal questionnaire, and obtain the necessary signatures on the withdrawal card. The student is entitled to honorable dismissal if his record of conduct is satisfactory and if he has satisfied all financial obligations.

Official withdrawals during the first four weeks of classes of the semester are indicated by W. After that time a student withdrawing officially will

receive either a WP (withdrawal with passing) or WE (withdrawal with failure). An unofficial withdrawal from a course will be recorded as E.

Withdrawal during the final six weeks of a semester will be approved only upon consideration of factors beyond the control of the student.

GRADES

The following final grades are used in judging the quality of a student's work: A, Excellent; B, Good; C, Satisfactory; D, Poor; E, Failure. The letter P is used when credit has been allowed without defining the grade, and has no bearing upon the student's grade point ratio.

Special circumstances may warrant the use of the temporary mark I (incomplete) to indicate that the student is doing passing work in the course but has been unable to complete a major assignment because of factors beyond his control. An I is not given when the student has neglected his work or failed to take the final examination. The instructor giving an I must file with the dean of the college concerned a statement specifying the reason for the incomplete and the amount of work to be completed. An I must be removed during the first six weeks of the following semester of residence unless the student, previous to that date, has received an official extension of time from the dean concerned.

GRADE POINTS

Grade points are granted as follows: A, four grade points for each credit hour; B, three grade points; C, two grade points; D, one grade point; E, no grade point.

A freshman or sophomore receiving a D or E in any course may repeat the course, and in such case the second grade will be counted in computing the cumulative grade point average, provided that the repetition of freshmen courses occurs by the end of the sophomore year and sophomore courses by the end of the junior year.

A junior or senior also may repeat a course in which he received D or E; but both the original and the repeated record will be included in figuring the cumulative grade point average.

ACADEMIC PROBATION

A student is placed on academic probation if he fails to keep his grade point average (both cumulatively and for the immediate preceding semester) above the lowest acceptable values for his class: freshmen, 1.75; sophomores, 1.90; upperclassmen, 2.00. Both the student and his parents (if the student is under 21) will receive official notice of such action. Academic probation is not a disciplinary measure but an attempt to encourage the student in the direction of his highest efficiency. The probationary student will be required to reduce either his academic or extra-curricular activities, or both, until his average shall meet the standards indicated above.

The student on probation who fails to show adequate improvement during the following semester will not be allowed to re-register unless, because of extenuating circumstances, he is reinstated by the Academic Status Committee.

He may apply for readmission after the expiration of one semester unless informed otherwise.

Failure in more than one course during any semester results in ineligibility to continue the following semester except by special action of the Academic Status Committee.

A senior on probation will not be included on the list of candidates for graduation.

ELIGIBILITY FOR PARTICIPATION IN STUDENT ACTIVITIES

A student must carry at least 12 hours, have a cumulative grade point average of 2.0, and have earned a 2.0 grade point average the previous semester in order to be eligible to (a) hold an office in student organizations, (b) accept a position of honor to which one might be elected by the Student Body as a whole, (c) represent the University in intercollegiate contacts, (d) participate in dramatic or musical performances, (e) be a staff member of the Saga or Mooring Mast. It is the responsibility of the organization to clear students' eligibility; the student himself should withdraw from office if he finds he is not eligible.

CLASSIFICATION OF STUDENTS

Students are classified as follows:

Freshmen: students who have met the entrance requirements.

Sophomores: students who have completed 24 semester credit hours and have earned 48 grade points.

Juniors: regular students who have fulfilled lower division requirements and have completed 56 semester hours and have earned 112 grade points.

Seniors: regular students who have completed 88 semester credit hours and have earned 176 grade points.

FOREIGN STUDY OPPORTUNITIES

The University recognizes that the mature, qualified student may benefit from study abroad as a part of his degree program. Any student wishing to receive credit for study abroad must first secure the approval of the chairman of his major department, or his representative, and of the dean of his college before embarking on any program. Provided that this prior approval has been secured, credit may be granted for work done at a recognized foreign university or university-level institution. Official evidence of both the quantity and quality of work must be submitted. The University is not obligated to grant credit for work done abroad without prior approval.

HONORS COURSES

Honors courses are offered by certain departments for students of superior academic ability. Freshmen ranking in the upper ten per cent of their high school classes and making an acceptable score on the college aptitude test are eligible for consideration. Registration in honors courses is by invitation only. Opportunity for superior students to do independent study and research in their major field is available during their junior and senior years.

THE DEAN'S LIST

Recognition is given by the University to students who attain high scholastic achievement. Their names are published on the Dean's List at the end of each semester. To be eligible a student must have a grade point average of 3.3 or better for the previous semester.

APPLICATION FOR GRADUATION

It is the responsibility of the student to file his application for graduation in the Registrar's office. Normally this is done at the beginning of the senior year.

GRADUATION HONORS

Degrees with honors of Cum Laude, Magna Cum Laude and Summa Cum Laude are granted to students receiving the required cumulative grade point average. To be eligible for these honors a student must have earned an average of 3.30 for Cum Laude, 3.60 for Magna Cum Laude, and 3.90 for Summa Cum Laude. Physical Education activities are not to be included in the determining of honors. A transfer student must have completed a minimum of sixty hours at Pacific Lutheran University to be considered eligible for graduation honors.





Academic Organization

The programs of study offered by the University are organized into the following colleges and schools: *College of Arts and Sciences*, *College of Professional Studies* (*School of Business Administration*, *School of Education*, *School of Fine and Applied Arts*, *School of Nursing*) and *Division of Graduate Studies*.

GENERAL UNIVERSITY REQUIREMENTS

A candidate for a bachelor's degree must present credit in approved courses amounting to a minimum of 128 semester hours and have maintained a grade point average of 2.00. He must meet the general requirements of one year in residence, earning a minimum of 30 semester hours at the University during his senior year. A minimum of 40 semester hours of upper division courses is required. Other general policies regarding eligibility for a bachelor's degree are: (1) No more than 24 hours of correspondence and/or extension work may be counted toward a bachelor's degree. (2) Non-music majors are limited to 8 hours' credit toward graduation for participation in the music ensembles.

Courses Required in All Curricula

Each candidate for graduation must complete the following general course requirements.

1. *English Composition and Literature — 6 hours*

Composition 101 (3 semester hours) or its equivalent is required of all freshmen. The three-hour requirement in literature may be met by any course in the department except 101, 218, 302, 318, 321, 322, 404. Beginning in 1969-70, all junior students will be required to pass an English proficiency examination or to complete a remedial course.

2. *Fine Arts — 3 hours*

This requirement may be met by a course in art or music. Applied music courses will not meet this requirement.

3. *Health and Physical Education — 4 hours*

Physical education activities must be taken during the freshman and sophomore years.

4. *Religion — 9 hours*

Three courses are required: Religion 103 is required of all freshmen; a second course is to be taken during the second semester of the freshman year or during the sophomore year; the third course must be taken from upper-division offerings in the junior or senior year.

5. *Philosophy — 3 hours*

This requirement may be met by any course in Philosophy except Philosophy 233.

6. *Science — 8 hours*

The science selected must meet the specific requirement of the college or school concerned.

7. Social Sciences — 12 hours

The 12 hours required must be taken in no less than three departments, with no more than six hours in any one department. The courses may be selected from the departments of economics, geography, history, political science, psychology and sociology.

Major Areas of Study

Each candidate for a degree must complete a major (field or concentration). Requirements for a major are outlined by the individual college or school concerned. A major shall include a minimum of 24 semester hours with at least 12 hours taken in the junior and senior years, 6 hours of which should be taken during the senior year.

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences serves the central concerns of all educational programs on the campus. Its courses are characterized by commitment to the value and relevancy of liberal education, education that provides perspective and prepares for ongoing encounter with reality and change.

In addition to supplying virtually all of the courses that meet the General University Requirements, the College offers additional general education opportunities and more specialized preparation for service in many fields of study. The degrees offered are Bachelor of Arts and Bachelor of Science.

Departments and Divisions

To correlate the work of the departments in the College of Arts and Sciences the following groups are organized:

1. Division of Humanities—Departments of English, Foreign Languages, Philosophy, and Religion.
2. Division of Natural Sciences—Departments of Biology, Chemistry, General Science, Mathematics, and Physics.
3. Division of Social Sciences—Departments of Economics, History, Health and Physical Education, Political Science, Psychology, and Sociology.

General Course Requirements

Candidates for the Bachelor of Arts and Bachelor of Science degrees must meet the General University Requirements described in the preceding pages. In addition to the courses required by all curricula, candidates must attain a proficiency in one foreign language equal to that of a student who has completed two years of college level language study. This requirement may be met in any of the following ways:

1. By completing four high school years in one foreign language.
2. By successfully completing two years of college study in one foreign language.

3. By a combination of high school and college study in the same language. In this case, one, two, three, or four semesters of college study may be necessary depending upon the student's knowledge of the language at entrance. Placement in the college language program is purely on the basis of proficiency as determined by the University.
4. By special examination.

The science requirement may be satisfied by one of the following year sequences: Biology 101, 102; Biology 131, 132; Chemistry 103, 104; Chemistry-Physics 109, 110; or Geology 101, 102.

Major Requirements

A major is a sequence of courses in some one area, usually in one department. The selection of the major should be made by the end of the sophomore year. The choice must be approved by the chairman of the department. The general minimum requirements, as well as the selection of supporting subjects required, are determined by the department concerned. The quality of work must be "C" or better. Any student receiving a grade "D" may count the credit toward graduation but not toward the major.

The recognized majors in this college are art, biology, chemistry, classical languages, economics, English, French, general science, German, health and physical education, history, mathematics, music, philosophy, physics, political science, psychology, religion, sociology, and speech. Not more than 40 semester hours earned in one department of study may be applied toward the bachelor's degree in this college.

General Freshman Program*

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
†English 101 Composition	3	†Rel. 103 Introduction to the	
**Foreign language		Christian Faith	3
or mathematics	3 or 4	**Foreign language	
**Science (a year sequence)	4	or mathematics	3 or 4
**Social science	3	**Elective(s)	3 or 6
P.E. activity	1	**Science (a year sequence)	4
		**Social science	3
		P.E. activity	1
	14 or 15		14 to 18

A student usually completes the majority of the General Course Requirements in the freshman and sophomore years. Exceptions occur in the case of many science students.

*A student planning to complete requirements for a science major should follow the outline given under his department in the section, "Courses of Instruction."

**A student may defer one of these courses until a later year, if so advised.

†May be taken the first or second semester; either Religion 103 or English 101 may be taken first.

PROGRAMS FOR CAREERS

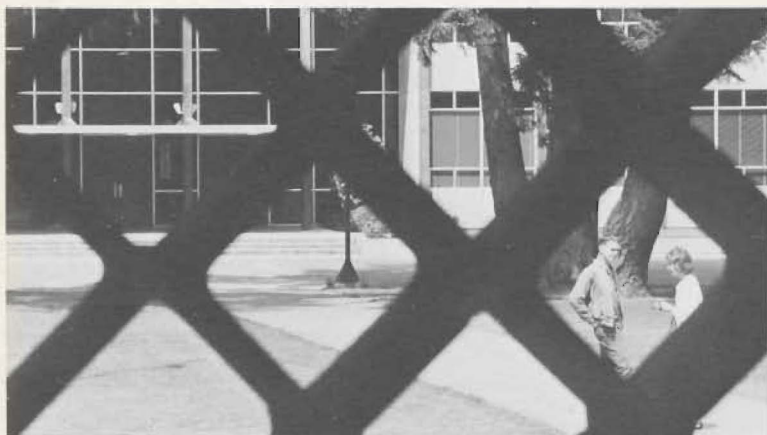
Preparation for ^{Pre}Engineering

Liberal Arts

In the belief that an engineering education should in these rapidly changing times be of sufficiently fundamental nature to permit rapid adaptation to new technical problems and opportunities and of sufficiently liberal nature to provide awareness of the broad social responsibilities involved, the University offers the first three years of a 3-2 program in engineering. Students spend the three years on this campus studying subject matter basic to all engineering fields and then transfer to the engineering school of their choice where their studies continue, concentrated in a specific area of engineering. Two additional years of full-time study are normally required to fulfill the requirements for an engineering degree. At the end of one year of study at the engineering school, and completion of 128 credit hours, students are eligible for the B.A. or B.S. degree from Pacific Lutheran University. Students are urged to formulate plans both with respect to the engineering school they plan to attend and the type of engineering they will study as early as possible in order that the program at Pacific Lutheran can be coordinated with the engineering program of their choice.

Any student who is interested in engineering and has been accepted for admission to the University may register in the pre-engineering courses. To qualify for the 3-2 engineering program, however, he must meet certain specific requirements.

Entrance requirements: In order to qualify without deficiency, entering freshmen must have had four years of high school mathematics (two years of algebra; geometry and trigonometry) and one year of either physics or chemistry. Additional courses in mathematics and science are desirable. He



must be proficient in the use of the English language, both reading and writing, and two years of a foreign language is highly recommended.

All pre-engineering students are screened during their sophomore year by a committee from the science faculty and only those who, by their scholastic record, character, and personality, indicate that they are capable of doing satisfactory work in the engineering field are accepted for the 3-2 program. To qualify for the 3-2 program students should maintain a grade point average of 2.5 or better.

Prospective engineering students who have deficiencies from high school should either (1) make up such deficiencies in summer school before matriculation at the University, or (2) plan to attend summer school after their freshman year, or (3) plan to take more than three years to complete their pre-engineering program.

The program for the first two years is the same for all branches of engineering. Electives for the third year must be chosen to meet the requirements for the particular engineering school and the branch of engineering chosen.

Suggested Pre-engineering Curriculum

<i>Freshman Year</i>	<i>Hrs.</i>	<i>Sophomore Year</i>	<i>Hrs.</i>
Art 110 Introduction to		English literature elective	3
Visual Arts	3	Mathematics 231, 252	6
Chemistry 109, 110		Physics 251 Intermediate	3
Chemistry-Physics	8	Physics 256 Mechanics	3
English 101 Composition	3	Physics 221, 222 Laboratory	2
G.E. 151, 152 Engineering		Physics 272 Circuit Theory	2
Drawing and Descriptive		†Religion requirement	3
Geometry	4	Social Science electives	9
Mathematics 151, 152 Analytic		PE activity	2
Geometry and Calculus	8		<hr/> 33
†Religion requirement	3		
PE activity	2		
	<hr/> 31		
<i>Junior Year</i>	<i>Hrs.</i>		
Mathematics 351 Applied Math	3		
Philosophy elective	3		
Physics 331, 332 Electro-			
magnetic Theory	6		
Chemistry or geology	3 or 4		
Social science elective	3		
Speech 101 Fundamentals			
of Speech	3		
†Religion requirement	3		
Electives	8		
	<hr/> 32-33		

†See page 41 for requirements in religion.



*Andrew***Preparation for Law**

Most law schools require at least three years of liberal arts as a foundation for professional study; however, they regard four years of study in liberal arts and a Bachelor of Arts degree as a better preparation for the study of law. In addition to meeting the degree requirements, the prospective law student is advised to complete at least one year of accounting and to include in his program at least one course in economics, history, philosophy, political science, psychology, sociology, and speech. The student should plan his course according to the requirements of the law school in which he is interested.

The student interested in law as a vocation is urged to register at the Pre-Law Center in the Department of Political Science. Useful information, such as material on the Law School Admission Test (LSAT) is available. There is also a circulating library of law school bulletins. In addition, the student may wish to discuss his career plans with Dr. Farmer, the pre-law adviser, or with one of the law school professors and deans who visit from time to time. A newsletter, the *Pre-Law Advocate*, circulated by the Center is designed to keep the pre-law student fully informed.



*Lib arts
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Preparation for Medicine and Dentistry

Students desiring to enter the medical or dental professions should plan to devote not less than three years and preferably four years of study to securing the broad educational background required. The professional schools in these fields require a thorough preparation in science. They also recommend extensive study in other areas such as the social sciences and humanities. Students are asked to confer with the pre-medical advisers in regard to their programs.

Pre-Medical and Pre-Dental Curriculum

<i>Freshman and sophomore years: 16-17 hours per semester</i>	<i>Hrs.</i>
Biology 101, 102 or	8
Biology 131, 132	3
¹ Chemistry-Physics 109, 110	8
Physics 201 or 251 (to follow Chemistry-Physics)	3
Physics 221 (to follow Chemistry-Physics)	1
Mathematics 131, 151 (and preferably 152)	4 to 11
English composition	3
Religion requirement	6
² Foreign Language	6 to 8
Physical education	4
Social science electives	3 or 6
Chemistry 203, 204 Organic (to follow Chemistry-Physics)	8
³ Biology 231 Genetics	3

¹*Students who have completed Mathematics 101 or equivalent and are co-registered for Mathematics 131 are eligible to take Chemistry-Physics during the freshman year; those who lack background should register for mathematics.*

²*Students who enter the University with two years of a modern language may elect to take a second year course in the same language during their freshman year. They should then register for 201, 202.*

³*Recommended when feasible.*

Junior and senior years: recommended courses listed below should be arranged and scheduled with the aid of the adviser.

	<i>Hrs.</i>
Biology 361 Comparative Anatomy	4
Biology 364 Vertebrate Embryology	4
Biology 411 Histology	4
Biology 441 Vertebrate Physiology	4
Chemistry 300, 301 Descriptive Inorganic and Analytical Chemistry	6
Chemistry electives	4 to 8
Philosophy elective	3
Fine Arts elective	3
English Literature elective	3
Social Science elective	6 to 9
†Religion requirement	3

Anderson

Bachelor of Science in Medical Technology

Students who desire to train in laboratory methods used in hospitals, physicians' offices, public health bureaus, and laboratories concerned with medical diagnosis and investigation should follow the curriculum below. It is based on the requirements of the Registry of Medical Technologists and on the General Course Requirements of the College of Arts and Sciences. On successful completion of the designated 98 credit hours of course work and of a 12-month period of technical training in a medical technology school laboratory approved by the American Medical Association, the degree Bachelor of Science in Medical Technology will be conferred. The graduate is then 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 (ASCP).

Medical Technology Curriculum

<i>Freshman Year</i>	<i>Hrs.</i>	<i>Sophomore Year</i>	<i>Hrs.</i>
Chemistry 109, 110		Biol. 131, 132	
Chemistry-Physics	8	General Zoology	8
English 101, Composition	3	Chem. 203, 204	
¹ Foreign language 101, 102	8	Organic Chemistry	8
Math 131 College Algebra	3	Chem. 300 Descriptive In-	
² Religion requirement	3	organic and Analytical	
Elective	3	Chemistry	3
PE activity	2	Foreign Language 201, 202	6
	—	² Religion requirement	3
	30	Social Science requirement	3
		PE activity	2
<i>Junior Year</i>	<i>Hrs.</i>		
Biol. 201 Microbiology	4		
Biol. 411 Histology	4		
Chem. 301 Descriptive In-		<i>Senior Year</i>	<i>Hrs.</i>
organic and Analytical		Specialized technical training	30
Chemistry	3		
Fine arts requirement	3		
² Literature requirement	3		
³ Philosophy requirement	3		
² Religion requirement	3		
² Social science requirement	9		
Elective	3		
	—		
	35		

¹Students who present two high school units in one language will be eligible to meet the language requirement by taking the six credit hour, second year course in the same language.

²See page 41 for requirements in religion.

³At least one of the courses thus designated must be taken at the upper division level in order to accumulate the required 40 hours of upper division credit.

Preparation for Parish Work

Students desiring to enter parish work are encouraged to obtain the broad general education leading to the Bachelor of Arts degree.

Experience reveals that a parish worker is requested to perform duties in more than one field. The responsibilities may be centered in one or more of these major areas: the educational work of the congregation, the guidance of youth activities, home visitation, office and secretarial work, or conducting the musical organizations in the congregation. Students expecting to enter church vocations will confer with the chairman of the Department of Religion.

Preparation for Social Work

In addition to completing the regular requirements for a degree in liberal arts, students expecting to enter the field of social work should plan for a well-rounded preparation in the social sciences, some basic work in biology, and should take the social welfare sequence: Sociology 435, 436, 440, and 497, 498. This sequence is recognized by the state of Washington and the Council on Social Work Education. Prospective workers in church and general agencies should concentrate on courses in sociology and psychology, while those planning for government service should add a concentration in economics or political science. Students expecting to enter this field are asked to confer with the Department of Sociology in regard to their programs.

Preparation for Theology

As a broad cultural foundation for the study of theology and entrance into the Gospel ministry, a pre-theological student should complete the requirements for a Bachelor of Arts degree. Besides the general degree requirements, the American Association of Theological Schools recommends the following:

English—literature, composition, speech and related studies. At least 6 semesters.

History—ancient, modern European, and American. At least 3 semesters.

Philosophy—orientation in history, content, and method. At least 3 semesters.

Natural Sciences—preferably physics, chemistry and biology. At least 2 semesters.

Social Sciences—psychology, sociology, economics, political science and education. At least 6 semesters, including at least 1 semester of psychology.

Foreign Languages—one or more of the following linguistic avenues to man's thought and tools of scholarly research: Latin, Greek, Hebrew, German, French. Students who anticipate post graduate studies are urged to undertake these disciplines as early in their training as opportunity offers. At least 4 semesters.

Religion—a thorough knowledge of the content of the Bible is indispensable, together with an introduction to the major religious traditions and theological problems in the context of the principal aspects of human culture outlined above. The pre-seminary student may well seek counsel

of the seminary of his choice in order most profitably to use the resources of his college. At least 3 semesters.

Of the various possible areas of concentration, where areas of concentration are required, English, philosophy and history are regarded as the most desirable. Other areas are, however, acceptable.

A faculty adviser will assist the student in the selection of courses necessary to meet the requirements to the theological school of his choice.

COLLEGE OF PROFESSIONAL STUDIES

Max

The College of Professional Studies embraces the Schools of Business Administration, Education, Fine and Applied Arts, and Nursing. Students who desire to prepare for professional work in such fields as art, business, music, nursing, speech, and teaching enroll in the College of Professional Studies.

Degrees Offered

Courses leading to the degrees of Bachelor of Business Administration, Bachelor of Arts in Education, Bachelor of Fine Arts, Bachelor of Music, and Bachelor of Science in Nursing are offered by the College of Professional Studies.

SCHOOL OF BUSINESS ADMINISTRATION

Purpose

The purpose of the School of Business Administration is (1) to prepare the students for business responsibility in self-owned businesses, or, as employees of a corporation or a public institution; (2) to prepare those who wish to continue their professional business study in graduate school; (3) to assist in the education of high school teachers of business education; (4) to provide a limited number of service courses useful to both majors and non-majors; and (5) to encourage students to acquire a general understanding of economic problems so that they may be more enlightened citizens.

In order to promote these aims every student will be given a broad professional business core curriculum built upon the general University course requirements. Students preparing for staff positions in business may take specialized courses beyond the core in accounting, economics, finance, marketing, and administrative services. Printed explanations of each of these specializations may be obtained from the School of Business Administration, Room 227, Administration Building.



Admission

For admission to the School of Business Administration, a student must have:

1. completed the freshman year with a minimum of 24 semester hours;
2. earned a grade point average of at least 2.00;
3. presented a complete record of his college work for approval by the School of Business Administration.

Requirements for the Degree of Bachelor of Business Administration

1. The general University requirements must be completed by all candidates for the Bachelor of Business Administration.
2. Students who present less than $1\frac{1}{2}$ high school units in algebra must take Math 101 or its equivalent.
3. Economics 101 and 102 is a requirement which should be met during the freshman year.
4. Students who present less than two high school units in a foreign language must complete a minimum of eight semester hours in one modern foreign language.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in Business Administration should refer to page 63 under ACADEMIC PREPARATION.

Professional Requirements

1. *Professional core curriculum:* The following courses are to be completed after admission to the School:

B A 211 Financial Accounting	B A 361 Business Finance
B A 212 Managerial Accounting	B A 371 Marketing
B A 351 Organization and Management	B A 441 Statistics
B A 352 Production Management or	B A 152 Business Policy
B A 354 Office Management	B A 491 Business Law

One upper division course in economics, other than Statistical Methods is required.

2. *Business electives:* In addition to courses presented to meet the professional core requirements, the student must complete electives chosen in consultation with his adviser from courses in business administration and/or economics. The combined total minimum requirement for the professional core and elective courses in business administration and economics is 52 hours.
3. *Other requirements:*
 - (a) A student may not present more than 60 hours in combined courses in business administration and economics for the degree of Bachelor of Business Administration.
 - (b) A minimum grade point average of 2.00 for all courses taken in business administration is required for the Bachelor of Business Administration degree.

Curriculum for the Bachelor of Business Administration Degree

<i>Freshman Year*</i>	<i>Hrs.</i>	<i>Sophomore Year</i>	<i>Hrs.</i>
Econ. 101, 102 Principles of Economics	6	BA 211 Financial Accounting	4
English 101, Composition	3	BA 212 Managerial Accounting	3
Social Science elective (Psychology recommended)	3	Literature elective	3
†Religion requirement	3	†Religion requirement	3
Fine Arts elective	3	Social Science elective	3
Science (a year course)	8	Electives	13
Electives	5	PE activity	2
PE activity	2		
	33		31

*Assumes that the student has presented the equivalent of two units of one foreign language from high school and 1½ units in algebra.

†See page 41 for requirements in religion.

<i>Junior Year</i>	<i>Hrs.</i>	<i>Senior Year</i>	<i>Hrs.</i>
BA 351 Organization and Management	3	BA 452 Business Policy	3
BA 352 Production Management	3	BA 491 Business Law	3
BA 364 Business Finance	3	BA Electives	6
BA 371 Marketing	3	Electives	19
BA 441 Statistical Methods	3		
Philosophy requirement	3		
†Religion requirement	3		
BA elective	3		
Electives	9		
	33		31

†See page 41 for requirements in religion.



SCHOOL OF EDUCATION

The School of Education, by utilizing the resources of the University, offers both undergraduate and graduate work to prepare students for careers in the teaching profession. The undergraduate curricula, leading to the Bachelor of Arts in Education degree, meet the certification pattern in the State of Washington.

The selection of desirable candidates and assistance in the placement of teachers are also responsibilities of the School.

In addition to the accreditation of the entire University by the Northwest Association of Secondary and Higher Schools, the School is accredited by the Washington State Board of Education and by the National Council for Accreditation of Teacher Education for the preparation of elementary and secondary teachers with the Masters of Arts as the highest degree approved. This accreditation gives Pacific Lutheran graduates clear reciprocity in many other states.

Programs for the preparation of school librarians, school nurses, school counselors, administrators and supervisor personnel are available.

The School also offers work toward the conversion, renewal, or reinstatement of teaching certificates.

Purpose

The general purpose of the School of Education is to contribute to the development of professional elementary and secondary school personnel with liberal and scientific education integrated within a Christian frame of reference. The School regards itself as sharing this purpose, as well as the means and responsibility for attaining it, with the University as a whole and with each activity of the University as set forth in the statement of its philosophy.

Desirable understandings, abilities, and attitudes are as follows:

Understandings of the obligations of the teaching profession to guide children and youth in the pursuit of knowledge and skills, to help them to become happy, useful, and self-supporting citizens, and to prepare them in the ways of democracy.

Understandings of the economic, political, social, psychological, and philosophical aspects of education.

Understandings of and ability to function in the roles of the teacher as a director of learning, a counselor and guidance worker, a mediator of the culture, a link with the community, a member of a school staff, and a member of the profession.

Understandings of research techniques and ability to use them.

Attitudes conducive to conscientious professional work and carefully planned experimentation.

Attitudes conducive to continuous evaluation and revision of means and ends.

Admission

Students anticipating careers in education take two years of basic general education in the College of Arts and Sciences. In the sophomore year the student is eligible to register for Education 201 and will at that time make application for admission to the School of Education.

Students will become candidates for the Bachelor of Arts in Education degree when they have met the following requirements:

1. Have completed successfully the course Introduction to Education, Education 201.
2. Have earned a cumulative grade point average of 2.25 after completion of Education 201 and prior to admission to the professional sequence courses. Students must have C or better grades in English 101 and Psychology 101.
3. Have completed Speech 101 or demonstrated proficiency.
4. Have ideals and personality qualities which make for successful teaching.
5. Have a clearly defined purpose or goal.
6. Have selected a preferred level of preparation and the area or areas of concentration to be followed.
7. Have completed satisfactorily the screening program.
8. Have received approval during an individual conference with representatives of the School.

The candidate is required to maintain these standards in order to retain his standing in the School.

Students who have taken the Bachelor's degree at Pacific Lutheran or at another institution are expected to meet the same requirements for admission. Students holding a Bachelor's degree contemplating meeting certification requirements should plan to *begin with the summer session*. The certification sequence will normally require a summer session and two semesters or three semesters.

Curriculum Requirements

In addition to the general University courses required in all curricula, certain specific requirements in general education must be met.

1. History 210, Pacific Northwest, may be included in the twelve hours required in social sciences. (Required of all elementary teacher candidates, and all secondary candidates with a major or minor in a social science.)
2. Prospective elementary teachers usually meet the eight hour science general education requirement by completing Science 121 and 122. A year course in one laboratory science may be substituted by those who have adequate high school background in the other sciences. Exceptions are made in the case of students preparing to teach in junior and senior high schools.
3. A student must demonstrate competence in public health by achieving a satisfactory score on a proficiency test given by the Health and Physical Education department or by completing Health and Physical

Education 210. Arrangements for the proficiency examination should be made in the Counseling and Testing office, Room A109.

4. A student must demonstrate competence in speech by achieving a satisfactory score on a proficiency test given by the Speech Department, or by completing Speech 101.

CERTIFICATION

Guidelines for the preparation and certification of teachers have been established by the State Board of Education. The recommended program pattern includes: broad liberal education, 35 per cent; subject matter specialization, 35 per cent; professional study, 20 per cent; and electives, 10 per cent.

The four-year curriculum leads to the Bachelor of Arts in Education degree and to the provisional certificate, a temporary license to teach, issued for a period of three years. Beginning teachers receive preparation and supervised experience with students in the various grades to give them an understanding of both elementary and secondary school programs. Each student prepares specifically to teach at one level.

Pacific Lutheran University recommends the candidate for the first teaching position on the basis of his preparation.

Authorization for elementary teaching requires student teaching in the elementary school, twelve semester hours of professionalized subject matter, and thirty-six semester hours of subject matter specialization. An alternate level of student teaching is recommended.

Authorization of secondary teaching requires student teaching in the secondary school and forty-five semesters hours of subject matter specialization in approved teaching areas. An alternate level of student teaching is recommended.

Authorization for elementary and secondary teaching requires student teaching at both of these levels. Students who elect to change levels will be expected to meet the minimum requirements as given above for the new level. Any teacher may complete his preparation for a new level during the fifth year of college.

Fifth Year and Standard Certification

The fifth year of teacher education is to follow a period of one year of initial teaching experience. The student must complete a minimum of eight semester hours in courses applicable toward the fifth year, and before the beginning of the fourth year of teaching. Thirty hours must be completed before beginning the sixth year of teaching.

The student may choose the institution in which he wishes to take his advanced work as follows:

1. If he chooses to work at Pacific Lutheran University, or any other of the teacher education institutions in this state, that institution shall be responsible for recommending him for the Standard Certificate upon successful completion of the fifth year program.



2. If he wishes to undertake the fifth year in an out-of-state institution, Pacific Lutheran University will be responsible for recommending him for the Standard Certificate. The student must secure general approval of his plan from the University *in advance*.

There are four provisions governing the fifth year pattern of work, according to State Board regulations:

1. The fifth college year must include a minimum of 30 semester hours of which at least fifty per cent must be upper division and/or graduate courses.
2. No more than eight semester hours of extension and/or correspondence study may be approved as a part of the 30 semester hours in the student's fifth year program.
3. Pacific Lutheran University graduates must take one semester of the fifth college year in residence. A transfer student who wishes to be recommended by Pacific Lutheran University must take a minimum of 20 semester hours in residence.
4. The student may take 20 of the required 30 semester hours prior to or during the first year of teaching experience with prior permission of the School of Education.

Following are requirements and procedures for the approval of fifth year programs of work at Pacific Lutheran University:

1. Specific course requirements are:
 - (a) Education 557, Evaluation or its equivalent. (Education 416, Parent-Teacher Conference may be used by elementary teachers.)
 - (b) Education 571, School Guidance Program or Education 370, Principles of Guidance.
2. Any courses recommended for the individual student prior to the granting of the Bachelor's degree must be taken. These may be recommended by either the area adviser or the School of Education.
3. Courses taken should strengthen areas of concentration and build stronger general education background as well as fill needs in the professional field. This program of studies is to be selected by the student with the guidance of those who have worked with him during his period of initial teaching and the advisers at the recommending institutions.
4. The student secures approval of the recommending institution for work taken elsewhere before the work is begun.

Some of the work taken during the fifth year may also apply toward the Master of Arts degree for those who meet the requirements. A student must not plan that these two curricula shall coincide. The program as set up for the fifth year shall take precedence and must be finished first.

Principal's Credentials

*The candidate for the principal's credentials will be guided by the following:

1. He must meet graduate standards for the Master's degree.

**Details of the program are available at the School of Education upon request.*

2. He must work toward the provisional principal's credentials at his chosen level. To receive this it is required that he have completed work for his Standard Teaching Certificate plus six semester hours.
3. He must complete experience and study requirements for the Standard Principal's Credential at his chosen level. To receive this he needs to have (1) had administrative experience, (2) earned a minimum of eight more semester hours, and (3) earned his Master of Arts degree.

Students who intend to work toward the Master of Arts degree in the field of education must apply for admission to the Graduate Division and meet the requirements outlined by that Division. Candidates should see the course requirements as set forth in the Master of Arts brochure.**

Certification Requirements for School Nurses

Provisional Certificate:

1. Registered nurse licensed in the State of Washington, and
2. Bachelor's degree in a program accredited (or approved) for first-level positions in public health nursing, *or* Certificate in Public Health Nursing (or equivalent) with three years of successful supervised experience in a public health program which includes experience in school nursing.
3. Completion of a minimum of ten semester hours of professional education courses including practice teaching or directed laboratory experiences in a school situation.

Standard Certificate:

1. Two years of successful experience in school nursing as a school nurse under the Provisional Certificate, and
2. Master's degree with a major in school nursing or its equivalent in Public Health Nursing.

Professional Education Courses

Professional educational courses recommended for meeting the requirement of a *minimum* of 10 semester hours are as follows:

Education 201—Introduction to Education	3 hrs.
Education 301—Human Development (must include public school observations)	3 hrs.
Education 370—Principles of Guidance	2 hrs.
Education 407—Educational Sociology or	3 hrs.
Education 478—Mental Health or	2 hrs.
Education 509—Comparative Education	2 hrs.
Education 581—Public School Administration	3 hrs.

Laboratory experiences in a school situation will be provided on an individual basis. A September experience should be planned.

** Available at the Division of Graduate Studies upon request.

Preparation of School Librarians (Learning Resources Specialist)

Students interested in preparing for the responsibility of administration of a school library may meet suggested standards through the following program:

1. Book and media selection
 - Education 315—Instructional Materials
 - Education 417—Storytelling
 - English 321, 322—Children's Literature
2. Cataloging
 - Education 420—Processing School Library Materials
3. Reference
 - Education 422—Basic Reference Materials
4. Media utilization and production
 - Education 438—Workshop in Preparation and Utilization of Instructional Materials
5. Curriculum
 - Education 546—Curriculum Development
6. Administration
 - Education 419—Administration of the School Library

PROFESSIONAL COURSES

Requirements

1. *Education 201, Introduction to Education: 3 hours*
This course may be taken during the sophomore year or later.
2. *Professional Core Curriculum:*
The following courses are to be completed after admission to the School:

Education 301—Human Development	3 hrs.
Education 311—Methods and Observation	3 hrs.
Education 312—Teaching of Reading—Elementary	3 hrs.
or	
Education 314—Teaching of Reading—Junior and Senior High	2 hrs.
Education 463—Student Teaching (at preferred level)	9 hrs.
3. *Professional Electives (Secondary)* 3.5 hrs.
Subject area methods
Guidance
Student teaching (alternate level)

Students wishing to qualify for certification on both the elementary and secondary levels should register for Education 461 and meet the major and minor requirements for the other level.

Students must have C, or better, grades in English 101 and Psychology 101. The student may count only C or better grades toward a major or minor. This grade requirement includes professional education courses.

4. *Laboratory Experience*

Students have the opportunity to study the social, emotional, physical, and intellectual growth patterns of school-age children and youth throughout their pre-service years. An understanding of the learning process as related

to growth and development is emphasized. This is done through regular course work, demonstration, observation, and participation with children in their activities both in and out of school. The following are specific requirements in the area of laboratory experience:

(a) *September Experience*

During at least one September following the successful completion of Education 201, Introduction to Education, and prior to Education 463, Student Teaching, the student is required to observe and to participate in activities during the opening days (preferably two weeks) of school. This September Experience may be either in his home town or in the local area. Plans and definite assignments must be approved by the School of Education before the end of the preceding spring semester.

Application blanks must be completed and filed with the School of Education office by April 15.

(b) *Student Teaching*

Students who elect to do their student teaching on only one level are required to register for Education 463, Student Teaching on a half-day schedule.

Students who elect to qualify on both elementary and secondary levels will register for Education 463 and Education 461. Student Teaching on both levels may be done concurrently or on the preferred level first, followed by the alternate level. Additional course work during the fifth year may be necessary to qualify as a teacher at the alternate level.

A successful experience in student teaching is vital to the student's success. It is therefore recommended that the student carry not more than sixteen semester hours during his student teaching semester. It is also expected that *outside work or college activity will be kept to a minimum*. Exceptions to these recommendations are allowed only by special permission.

PROFESSIONALIZED SUBJECT MATTER

Elementary School Teaching

In the area of Professionalized Subject Matter a minimum of 12 hours is required from the following courses:

Art

*340 Art in the Elementary School

Education

*312 The Teaching of Reading

315 Instructional Materials

*319 The Teaching of Arithmetic (Prerequisite: Math 319)

413 Science in the Elementary School

414 Social Studies in the Elementary School (experienced teachers only)

**416 Parent-Teacher Conference

**423 Language Arts in the Elementary School

*Required of all elementary teacher candidates

**Open to student teachers or experienced teachers only

- 426 Primary Reading (experienced teachers only)
- 442 Speech for the Classroom Teacher
- 529 Diagnosis of Reading Problems

English

- 321, 322 Children's Literature

Music

- *340 Music in the Elementary School

Health and Physical Education

- 312 Physical Education in the Elementary School
- 341 Methods in Folk Dancing
- 342 Problems in Teaching Rhythmics



ACADEMIC PREPARATION

Teaching Areas

1. Business Education.
2. Fine and Applied Arts — art or music.
3. Health and Physical Education.
4. Language Arts—including English (composition, literature), foreign language, speech (including drama), and journalism.
5. Science and Mathematics—including biological and physical sciences and mathematics.
6. Social Sciences—including history, sociology, political science, economics, geography, and psychology.

Preparation for Senior High School Teaching: 45 hours

A student preparing for senior high school teaching must complete 45 semester hours in the academic area in which he plans to teach. This normally consists of a teaching major of 24 to 30 semester hours of study in one department, supported by 15 to 21 hours in related departments. A student, with the approval of his academic adviser, may elect to complete a departmental minor of 17 to 21 hours in another area applicable to teaching in the senior high school. In either case, the adviser from the major area will assist the student in planning his program.

Teaching majors are offered in the following fields: art, biology, business education, chemistry, English, French, German, health and physical education, history, mathematics, music, physics, political science, science (general and earth science), social sciences, sociology, and speech.

Preparation for Junior High School Teaching: 45 hours

A student preparing for junior high school teaching normally must complete a teaching major (usually interdepartmental) of 24 to 28 semester hours and a minor of 17 to 21 hours in another area.

Students planning to teach on the junior high school level should confer with the School of Education regarding combinations of teaching fields which

*Required of all elementary teacher candidates

**Open to student teachers or experienced teachers only

would be most appropriate. An adviser from the major area will assist the student in planning his program.

Teaching majors and minors are offered in the general areas of fine and applied arts, health and physical education, language arts (including English, journalism, speech, German and French), science (including biology, chemistry, physics, general science, and earth science) and mathematics, and social sciences.

Preparation for Elementary School Teaching: 48 hours

A student preparing for elementary school teaching normally must complete 24 semester hours in a major teaching *area*, and two area minors consisting of 12 semester hours each. One of the minors must be in professionalized subject matter; and one in a teaching field other than that covered in the 24-hour concentration. An adviser from the major field will assist the student in planning his program in cooperation with the School of Education.

The courses included in the two minors are to be determined in consultation with the School of Education.

In general, the teaching major (24-hour concentration) for elementary school teachers follows the teaching major required for junior high teaching.



Art*Senior High School Preparation: 45 hours*

Teaching Major: 45 hours

Required: Art 120, 160, 230, 250, 260, 265, 320, 440, nine hours of art history, and electives to complete requirements. Art 110 may not be included.

Junior High School Preparation: 45 hours

Teaching Major: 28 hours

Required: Art 120, 160, 230, 250, 265, 440, six hours of art history, and electives to complete requirements.

Teaching minor: 17-21 hours

Required: Art 120, 160, 180, 230, 250, and 265.

Elementary School Preparation: 48 hours

Teaching Major: 24 hours

Required: Art 110, 120, 160, 230, 250, 265, 340, and electives to complete requirements.

Teaching Minor: Twelve hours in the area, courses to be determined in consultation with the School of Education.

Biology*Senior High School Preparation: 45 hours*

Teaching Major: 24-30 hours

Required: Biology 101, 102, or 131, 132, and 16 to 22 hours of biology, of which at least 9 hours must be upper division courses.

Required supporting courses: Chemistry-Physics 109-110, Mathematics 131.

Electives from the following: Geology 101, 102; Chemistry 203, 204; Physics 201, 221, 222, 251.

Junior High School Preparation: 45 hours

Teaching Major: 24-28 hours

Required: Biology 101, 102, or 131, 132, and 16 to 20 hours in biology approved by the department.

Required supporting courses: Chemistry-Physics 109-110, Mathematics 131. Recommended: Physics 201, 221, 222, 251, or Geology 101, 102.

Teaching Minor: 17-21 hours

Required: Twelve to sixteen hours chosen in biology; General Science 122.

Elementary School Preparation: 48 hours

Teaching major: 24 hours

Required: Biology 101, 102, or 131, 132.

Required supporting courses: Chemistry-Physics 109-110.

Teaching Minor: 12 hours

Required: Twelve hours in the area, courses to be determined in consultation with the School of Education.

Business Education

Senior High School Preparation: 45 hours

Teaching Major

Prerequisites: Economics 101, 102.

Required: Business Administration 103, 142, 211, 212, 241, 273, 340, 440b, 491. Also elect two from the following: Business Administration 351, 352 or 354, 364, 371, plus an additional six hours of business electives. Choose one of these areas of emphasis: (1) Secretarial: Business Administration 245, 246, 342; (2) Accounting: Business Administration 311 plus two of the following: 312, 313, 315; (3) Economics: Economics 301, 302, plus one elective.

Chemistry

Senior High School Preparation: 45 hours

Teaching Major: 29 hours consisting of Chemistry 109, 110; 203, 204; 300, 301; 311, 312; and 314.

Prerequisites: Physics 221, 251, and 256 and mathematics through second semester calculus (Mathematics 152).

Junior High School Preparation: 45 hours

Teaching Major: same as for senior level above.

Teaching Minor: 22 hours consisting of Chemistry 109, 110; 203, 204; and 300, 301.

Prerequisite: Mathematics 101 or its equivalent.

Elementary School Preparation: 48 hours

Teaching Major: 24 hours

Required: Sixteen hours of approved courses in chemistry and six additional hours to be determined in consultation with the School of Education.

Teaching Minor: Twelve hours to be determined in consultation with the School of Education.

English

Senior High School Preparation: 45 hours

Teaching Major: 27 hours

Required: One of the following programs: (1) English 218 (or proficiency): 241, 242, 383 or 384, and 9 hours of upper division electives in English literature; one of the following: 302, 382, 400 or 403; and 3 additional hours of any literature course in the department; and two years of foreign language or equivalent proficiency. (2) English 218 (or proficiency): 251, 252, 383 or 384, and 9 hours of upper division electives in American literature; one of the following: 302, 382, 400 or 403; and 3 additional hours of any literature course in the department; and two years of foreign language or equivalent proficiency.

Junior High School Preparation: 45 hours

Teaching Major: 27 hours

Required: One of the following programs: (1) English 218 (or profi-

iciency): 241, 242, 383 or 384, and 9 hours of upper division electives in English literature; and 6 additional hours in the department. (2) English 218 (or proficiency): 251, 252, 383 or 384, and 9 hours of upper division electives in American literature; and 6 additional hours in the department. Teaching Minor: 17-21 hours
Required: English 241 and 242, or 251 and 252; 383 or 384: six hours of upper division electives in the area in which the survey course was not taken; and 3 additional hours in literature.

Elementary School Preparation: 48 hours

Teaching Major: 24 hours

Required: Sixteen hours in the department as listed under teaching majors for senior high preparation, and eight additional hours to be selected in consultation with the School of Education.

Teaching Minor: 12 hours

Required: Twelve hours in the area, courses to be determined in consultation with the School of Education.

French

Senior High School Preparation: 45 hours

Teaching Major: 24-30 hours

Required: French 101, 102, 201, 202, 221, 222, 440n and ten hours of approved courses in advanced French.

Suggested supporting courses: Fifteen to 21 hours in speech, English or another foreign language.

Junior High School Preparation: 45 hours

Teaching Major: 24-28 hours

Required: French 101, 102, 201, 202, 221, 222, 440n.

Suggested supporting courses: Nine hours selected from English 233, 241, 242, 251, 252, 383, 384; or six hours from the above group, plus four hours from English 217, 218, 302, 318, 404, or Journalism 203, 204. Students electing this program are urged to add English 321 or Education 440c or 440d to the required courses.

Teaching Minor: 17-21 hours

Required: Seventeen to 21 hours of approved courses in French.

Elementary School Preparation: 48 hours

Teaching Major: 24 hours

Required: Twenty hours of approved courses in French and four additional hours to be selected in consultation with the department and the School of Education.

Teaching Minor: 12 hours

Required: Twelve hours of approved courses in French to be determined in consultation with the School of Education.

German*Senior High School Preparation: 45 hours*

Teaching Major: 24-30 hours

Required: German 101, 102, 201, 202, 221, 222, 440n and ten hours of approved courses in advanced German.

Suggested supporting courses: Fifteen to 21 hours in speech, English or another foreign language.

Junior High School Preparation: 45 hours

Teaching Major: 24-28 hours

Required: German 101, 102, 201, 202, 221, 222, 440n.

Suggested supporting courses: Nine hours selected from English 233, 241, 242, 251, 252, 383, 384; or six hours from the above group, plus four hours from English 217, 218, 302, 318, 404, or Journalism 203, 204. Students electing this program are urged to add English 321 or Education 440c or 440d to the required courses.

Teaching Minor: 17-21 hours

Required: Seventeen to 21 hours of approved courses in German.

Elementary School Preparation: 48 hours

Teaching Major: 24 hours

Required: Eighteen hours of approved courses in German and six additional hours to be selected in consultation with the department and the School of Education.

Teaching Minor: 12 hours

Required: Twelve hours of approved courses in German to be determined in consultation with the School of Education.

Health and Physical Education*Senior High School Preparation: 45 hours*

Emphasis on Health and Physical Education

Teaching Major: 45 hours

Required: Men and Women: Health and Physical Education 210, 234, 274, 292, 310, 312, 322, 323, 341, 342, 345, 450, 465, 497, and four hours of electives; Men: 363 and two hours from 270, 271, 272 or 273; Women: 290, 333.

Required supporting courses: Biology 161, 162.

Emphasis on Corrective Therapy in Physical Education

Teaching Major: 45 hours

Required: Men and Women: Health and Physical Education 210, 234, 290 (women), 333 (women), 292, 312, 322, 323, 341, 345, 363 (men), 391, 392, 450, 497, and two hours of electives (women) from 274, 342, or 333; Biology 161, 162.

Suggested supporting courses: Psychology 221, 301.

Junior High School Preparation: 45 hours

Teaching Major: 26-28 hours

Required: Men and Women: Physical Education 210, 274, 292, 312, 322,

341, 345, 450, 497; Men 363 and two hours selected from 271, 272, 273; Women 290, 333, and two hours of elective; Biology 161, 162.

Teaching Minor: 17-21 hours

Required: Men and Women: Physical Education 210, 292, 341, 345; Men 363 and six hours selected from 270, 271, 272, 273, 346, 450, 465; Women 290, 333 and four hours selected from 346, 450, 465.

Elementary School Preparation: 48 hours

Teaching Major: 24 hours

Required: Physical Education 210, 292, 310, 312, 341, 345, 346, 450, 465 and five hours of electives.

Teaching Minor: 13 hours

Required: Physical Education 210, 292, 310, 312, 341, 345.

History

Senior High School Preparation: 45 hours

Teaching Major: 30 hours

Required: History 103, 104, 203, 204, 210, plus 16 hours in history.

Suggested supporting courses: Fifteen hours selected from economics, geography, political science and sociology.

Mathematics

Senior High School Preparation: 45 hours

Teaching Major: 26 hours

Prerequisites: Math 112 and 131 or equivalent.

Required: Twenty-six hours of mathematics numbered above 150 including Math 151, 152, 231, 321, 333, 440e, 451 or 433.

Suggested supporting courses: Chemistry-Physics 109, 110, and ten hours of sciences.

Junior High School Preparation: 45 hours

Teaching Major: 24-28 hours

Prerequisites: Math 101 and 112 or equivalent.

Required: Math 151, 152, 231, 321, 333, 440e.

Teaching Minor: 17-21 hours

Prerequisites: Math 101 and 112 or equivalent.

Required: Math 151, 319, 321, 440e plus mathematics electives.

Elementary School Preparation: 48 hours

Teaching Major: 24 hours

Prerequisites: Math 101 and 112 or equivalent.

Required: Math 151, 152, 319, 321, 333; plus mathematics electives.

Teaching Minor: 12 hours

Required: Math 319, 321 and mathematics electives to be determined in consultation with the School of Education.

***Music***Senior High School Preparation: 54 hours*

Emphasis on Choral Music

Teaching Major: 54 hours

Prerequisite: Music Theory 111, or equivalent.*Required:* Music 50, 112, 211, 212, 221, 222, 333, 340, 363, 443. Eight hours of private voice lessons and two hours of private piano lessons. Four hours of ensemble must be earned during the junior and senior years. One hour of Opera Workshop and ten hours of music electives are also required.

Emphasis on Sacred Choral Music

Teaching Major: 54 hours

Prerequisite: Music Theory 111, or equivalent.*Required:* Music 50, 112, 211, 212, 221, 222, 326, 327, 333, 340, 426, 443. Eight hours of private instruction must be earned in the major performance medium (voice or piano and/or organ) and three hours must be earned in the minor performance medium (voice or piano and/or organ). Four hours of ensemble must be earned during the junior and senior years. Four hours of electives in music are also required.

Emphasis on Instrumental Music

Teaching Major: 54 hours

Prerequisite: Music Theory 111, or equivalent.*Required:* Music 50, 112, 141, 142, 211, 212, 221, 222, 243, 244, 333, 415, 416, 444. Eight hours of private instruction must be earned on the student's major instrument plus two hours of piano. Six hours of credit must be earned in instrumental ensembles during the junior and senior years.*Junior High School Preparation: 45 hours*

Teaching Major: 28 hours

Required: Music 50, 112, 221, 222, 333, 340, 443 or 444. Two hours of private piano, two hours of a secondary instrument or voice, four hours of music ensemble and two hours of music electives are also required.

Teaching Minor: 20 hours

Prerequisite: Music 101 or equivalent.*Required:* Music 120, 333, 340 plus two hours of private piano and two hours of private instruction in voice or secondary instrument. Four hours of music ensemble and five hours of electives in music are also required.*Elementary School Preparation: 48 hours*

Teaching Major: 24 hours

Required: Music 101, 120, 333, 340 plus two hours of private piano and

**See the Department of Music Handbook for further details concerning the program.*

two hours of private voice. Four hours of music ensemble and five hours of electives in music are also required.

Teaching Minor: 12 hours

Required: Twelve hours in the Music Department, courses to be determined in consultation with the Department of Music and the School of Education.

Physics

Senior High School Preparation: 45 hours

Teaching Major: 28 hours

Required: Chemistry-Physics 109, 110; Physics 251, 256, 272, 331, 332 or 316 and 6 hours of laboratory courses including 221 and 222.

Required supporting courses: One additional course in Chemistry; Mathematics 151*, 152, 231 and 252 or 341.

Junior High School Preparation: 45 hours

Teaching Major 24-28 hours

Required: Chemistry-Physics 109, 110; Physics 251, 256, 272, 221, 222, 321 or 316, Mathematics 151*, 152.

Political Science

Senior High School Preparation: 45 hours

Teaching Major: 27 hours

Required: Political Science 101 or 301, 251, 331, plus eighteen additional hours of electives.

Suggested supporting courses: Economics 101; Geography 101; History, 9 hours; Psychology 101; Sociology 101 or 300.

Science (General)

Senior High School Preparation: 45 hours

General Science

Teaching Major: 45 hours

Prerequisite: Mathematics 101 or equivalent.

Required: Biology 101, 102; Chemistry-Physics 109, 110, Chemistry 300; Geology 101, 102; Mathematics 112, 131, 151; Physics 221, 251.

Earth Science

Teaching Major: 45 hours

Prerequisite: Trigonometry and high school biology.

Required: Geology 101, 102, 203, 204, 360 or 365, 497, 498.

Required supporting courses: Mathematics 151, Chemistry-Physics 109, 110.

Suggested supporting courses: Biology 101, 102 and additional courses in chemistry and physics.

*Students who are not prepared to enter Mathematics 151 must take the prerequisites but credit for these courses will not be counted in the major area.

Junior High School Preparation: 45 hours**General Science**

Teaching Major: 24-28 hours

Prerequisite: Mathematics 101

Required: Biology 101 and 102 or General Science 121; Chemistry-Physics 109, 110; Mathematics 112 and/or 131; Geology 101.

Teaching Minor: 17-21 hours

Courses selected and total hours subject to approval of science departments and will vary depending upon high school background of the individual student.

Earth Science

Teaching Major: 28 hours

Prerequisite: Trigonometry and high school biology.

Required: Geology 101, 102, 203, 204, 497, 498.

Required supporting courses: Chemistry-Physics 109, 110.

Suggested supporting courses: Mathematics 151; Biology 101, 102.

Teaching Minor: 17 to 21 hours in Geology and Physical Science.

Elementary School Preparation: 48 hours**General Science**

Teaching Major: 24 hours

Individual programs to be planned by the Science Department in consultation with the School of Education.

Teaching Minor: 12 hours

Required: Twelve hours in the area, courses to be determined in consultation with the School of Education.

Earth Science

Teaching Major: 24 hours

Prerequisite: Trigonometry and high school biology.

Required: Geology 101, 102, 203, 204, 497.

Required supporting courses: Chemistry-Physics 109, 110.

Teaching Minor: 12 hours in Geology and Physical Science.

Social Science***Senior High School Preparation: 45 hours***

Teaching Major: 45 hours

Required: History 103, 104, 203, 204, 210; Economics 101 or 300; Geography 101; Political Science 101 or 251 or 301; Sociology 101 or 300 and Psychology 441 or Sociology 441.

Suggested supporting courses: Sixteen hours to be taken from not more than two of these fields: economics, history, political science, psychology or sociology. A minimum of ten hours must be in one field.

Junior High School Preparation: 45 hours

Teaching Major: 24-28 hours

Required: Economics 101 or 300; Geography 101; History 103, 104, 203,

204, 210; Political Science 101 or 251 or 301; Sociology 101 or 300.

Teaching Minor: 17-21 hours

Required: Twelve hours in history and nine hours selected from other social science areas; or eight hours of history and 9 to 13 hours selected from the other social sciences—economics, political science, psychology or sociology.

Elementary School Preparation: 48 hours

Teaching Major: 24 hours

Required: Sixteen hours from the following social sciences: economics, geography, history, political science, psychology or sociology. History 203, 204 and 210 are required.

Teaching Minor: 12 hours

Twelve hours in the area, courses to be determined in consultation with the School of Education.

Sociology

Senior High School Preparation: 45 hours

Teaching Major: 27 hours

Required: Sociology 101 or 300, 202, 341, 412, 431, and twelve additional hours of electives.

Suggested supporting courses: Economics 101 or 300; Geography 101; History 8 hours; Political Science 101 or 301; Psychology 101.

Speech

Senior High School Preparation: 45 hours

Teaching Major: 24-30 hours.

Required: Speech 101, 202, 210, 445 and 13 to 19 hours in consultation with the major adviser.

Suggested supporting courses: One of the following: (1) 15 to 21 hours in English approved by the major adviser and numbered above 102, or (2) 15 to 21 hours in a modern or classical language.

Junior High School Preparation: 45 hours

Teaching Major: 24-28 hours

Required: Speech 101, 202, 210, plus six to eight hours in speech. Additional nine to twelve hours to be determined in consultation with Speech Department and School of Education.

Teaching Minor: 17-21 hours

Required: Speech 101, 202, 210, plus nine to twelve hours of electives.

Elementary School Preparation: 48 hours

Teaching Major: 24 hours

Required: Speech 101, 447 and nine hours of electives in speech and nine hours in English.

Teaching Minor: 12 hours

Courses to be determined in consultation with the School of Education.

SUGGESTED SCHEDULE OF COURSES

Elementary School Preparation

<i>Freshman Year</i>	<i>Hrs.</i>	<i>Sophomore Year</i>	<i>Hrs.</i>
English 101 Composition	3	Art 110 Introduction to the Visual Arts	3
†Religion requirement	3	‡Music 101 Fundamentals of Music	3
Sci 121 Introduction to Biological Science	4	Geog 101 World Geography	3
Sci 122 Introduction to Physical Sciences	4	Hist 210 The Pacific Northwest	3
Social Science electives	6	Psy 101 General Psychology	3
PE activity	2	†Religion requirement	3
*Electives	10	Educ 201 Introduction to Education	3
		English elective	3
		PE activity	2
		§Electives	6
	—		—
	32		32

Junior and Senior High School Preparation

<i>Freshman Year</i>	<i>Hrs.</i>	<i>Sophomore Year</i>	<i>Hrs.</i>
English 101 Composition	3	Art or Music elective	3
†Religion requirement	3	**Hist 210 The Pacific Northwest	3
††Science	8	Psy 101 General Psychology.....	3
Social Science electives	6	†Religion requirement	3
PE activity	2	Educ 201 Introduction to Education	3
*Electives	10	English elective	3
		PE activity	2
		§Electives	12
	—		—
	32		32

†See page 41 for requirements in religion.

††See page 54 for requirement in science.

*The student should include Speech 101 if his score on the proficiency test in speech is not satisfactory.

‡Required of students planning to be elementary school teachers.

§The student should include Health and Physical Education 210 if his score on the proficiency test in health was not satisfactory.

**Required of all students with a major or minor in a social science.



SCHOOL OF FINE AND APPLIED ARTS

The school of Fine and Applied Arts comprises the Departments of Art, Music, and Speech, offering a broad cultural education in the fine arts and special training in the following areas of study: sculpture, painting, ceramics, applied music, music history and literature, theory and composition, sacred music, drama, speech arts, speech pathology, and telecommunications.

The objectives of this school are to provide the student specialized training in one of the fine arts; to provide a cultural background through the study of the relationship of all the arts; and to prepare the student for the professional application of his knowledge and training.

Degrees Offered

The School of Fine and Applied Arts offers the degrees Bachelor of Fine Arts and Bachelor of Music.

Candidates for the Bachelor of Fine Arts degree may concentrate in the Department of Art or Speech.

Candidates for the Bachelor of Music degree must complete both the specific courses in music and the all-university requirements and must meet the approved standards of musicianship.

In addition to the all-university course requirements, candidates for a degree in this school must fulfill the following requirements:

1. The foreign language requirement may vary from 0 to 16 hours dependent upon the total number of credits earned in high school and the evaluation of the student's needs by the chairman of the department concerned and his recommendation to the Director of the School.
2. The science requirement may be met by a year course in science or by Science 121 (Introduction to Biological Science) and Science 122 (Introduction to Physical Science).



Art

Candidates for the Bachelor of Fine Arts degree may complete their majors with emphasis in painting, sculpture, ceramics or art history.

Requirements for a Bachelor of Fine Arts degree with a major in art are 55 credit hours in art including Art 120, 160, 230, 250, 260, 265, 15 hours of art history and electives in area of emphasis and related courses to complete requirements. Art 110 may not be included in this total.

The department reserves the right to retain, exhibit, and reproduce student work submitted for credit.

Suggested Schedule of Courses

<i>Freshman Year</i>		<i>Hrs.</i>	<i>Sophomore Year</i>		<i>Hrs.</i>
Art 120 Design I	.....	3	Art 250 Sculpture I	.....	3
Art 160 Drawing I	.....	3	Art 260 Drawing II	.....	3
Art 230 Ceramics I	.....	3	Art History	.....	3
Art 265 Painting I	.....	3	Approved Art course	.....	3
English 101, Composition	.....	3	†Religion	.....	3
¹ Foreign Language	.....	8	Science	.....	8
†Religion	.....	3	² Social Science	.....	6
P.E. activity	.....	2	P.E. activity	.....	2
Elective	.....	3			
		31			31
<i>Junior Year</i>		<i>Hrs.</i>	<i>Senior Year</i>		<i>Hrs.</i>
Upper Division Art courses	.....	9	Upper Division Art courses	.....	10
Art History	.....	6	Art History	.....	6
Literature	.....	3	Social Science	.....	3
Philosophy	.....	3	Electives	.....	14
†Religion	.....	3			
Social Science	.....	3			
Electives	.....	6			
		33			33

¹French and/or German required for art history emphasis. Language requirement may be waived in programs with a studio emphasis.

²History 103 and 104 are recommended for art majors.

†See page 41 for requirements in religion.

Speech

The Department of Speech embraces four sections: speech arts, drama, tele-communications, and pathology.

Candidates for the Bachelor of Arts degree are registered in the College of Arts and Sciences and must meet all general requirements of the College. The specific requirements for the major are found under Speech in the section COURSES OF INSTRUCTION.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in Speech should refer to page 70 under ACADEMIC PREPARATION.

Candidates for the Bachelor of Fine Arts degree may complete their majors with an emphasis in speech arts, drama, or a combination major involving speech arts, drama, telecommunications, or pathology. This degree requires 48 hours of work within the Department of Speech.

Bachelor of Fine Arts, Major in Speech

<i>Freshman Year</i>	<i>Hrs.</i>	<i>Sophomore Year</i>	<i>Hrs.</i>
English 101 Composition	3	Modern language 101, 102	8
†Religion requirement	3	†Religion requirement	3
Music or Art elective	3	Approved speech courses	12
Science	8	PE activity	2
Social Science elective	3	Electives	6
Speech 101 Fundamentals of Oral Communication	3		
Speech 202 Principles of Public Speaking	3		
Electives	5		
PE activity	2		
	—		—
	33		31
<i>Junior Year</i>	<i>Hrs.</i>	<i>Senior Year</i>	<i>Hrs.</i>
Philosophy requirement	3	Literature elective	3
†Religion requirement	3	Social Science elective	3
Social Science electives	6	Approved speech electives	15
Approved speech courses	15	Electives	10
Electives	6		
	—		—
	33		31

†See page 41 for requirements in religion.

Music

The Department of Music offers curricula leading to degrees of Bachelor of Arts, Bachelor of Arts in Education and Bachelor of Music. Refer to the Department of Music Handbook for details concerning all music curricula.

The Bachelor of Arts degree is a non-professional four-year course for students who want to become well-educated in music, yet want to be solidly grounded in liberal arts. Candidates for this degree are registered in the College of Arts and Sciences and must meet all requirements of the College. The specific requirements for the major are found under Music in the section COURSES OF INSTRUCTION.

Candidates for the Bachelor of Arts in Education degree who are plan-

ning a teaching major in music should refer to page 67 under ACADEMIC PREPARATION.

The Bachelor of Music curriculum is designed for the student who intends to become a professional musician. The degree is offered with a major in (a) piano or organ performance, (b) orchestral instrument performance, (c) vocal performance, (d) church music.

Requirements for the Bachelor of Music Degree

A. Piano or Organ Performance

<i>Freshman Year</i>		<i>Hrs.</i>	<i>Sophomore Year</i>		<i>Hrs.</i>
English 101 Composition	.....	3	Social Science electives	.....	6
Social Science elective	.....	3	Literature elective	.....	3
Religion requirement	.....	3	Religion requirement	.....	3
Modern Language 201, 202	.....	6	PE activity	.....	2
PE activity	.....	2	Music 211, 212 Theory	.....	8
Music 111, 112 Theory	.....	8	Music 221, 222 History	.....	6
Music 150, Piano and/or			Music 150 Piano or		
Music 152 Organ	.....	4	Music 152 Organ	.....	4
Music ensemble	.....	0	Music Ensemble	.....	0
Music 50 Student Recitals	.....	0	Music 50 Student Recitals	.....	0
Elective	.....	3			
		<hr/>			<hr/>
		32			32
<i>Junior Year</i>		<i>Hrs.</i>	<i>Senior Year</i>		<i>Hrs.</i>
Science requirement	.....	8	Philosophy requirement	.....	3
Social Science elective	.....	3	¹ Music 350, Piano or		
Religion requirement	.....	3	Music 352, Organ	.....	6
Music 350, Piano or			Music 333, Basic Conducting	.....	2
Music 352, Organ	.....	6	² Music, 442, Methods of		
Music 313, Counterpoint	.....	3	Teaching Piano	.....	2
Music 411, Form	.....	3	Music Ensemble	.....	2
Music Ensemble	.....	2	Music Literature electives	.....	4
* Music electives	.....	4	* Music electives	.....	13
Music 50 Student Recitals	.....	0	Music 50 Student Recitals	.....	0
		<hr/>			<hr/>
		32			32

¹Formal recital required during senior year.

²For piano majors only.

*May be taken in music and/or supporting areas.

B. *Orchestral Instrument Performance*

<i>Freshman Year</i>	<i>Hrs.</i>	<i>Sophomore Year</i>	<i>Hrs.</i>
English 101 Composition	3	Social Science electives	6
Social Science elective	3	Literature elective	3
Religion requirement	3	Religion requirement	3
Modern Language 201, 202	6	PE activity	2
PE activity	2	Music 211, 212 Theory	8
Music 111, 112 Theory	8	Music 221, 222 History	6
Major Instrument	2	¹ Major Instrument	4
Music 150 Piano	2	Music Ensemble (orchestra or band)	0
Music Ensemble (orchestra or band)	0	Music 50 Student Recitals	0
Music 50 Student Recitals	0		
Elective	3		
	<hr style="width: 100%; border: 0.5px solid black;"/>		<hr style="width: 100%; border: 0.5px solid black;"/>
	32		32
<i>Junior Year</i>	<i>Hrs.</i>	<i>Senior Year</i>	<i>Hrs.</i>
Science requirement	8	Philosophy requirement	3
Social Science elective	3	Music 444 Instrumental Conducting and Materials	4
Religion requirement	3	Music 415, 416 Orchestration	4
Music 313, Counterpoint	3	Music Literature electives	4
Music 411 Form	3	² Major Instrument	6
Major Instrument	6	Music Ensemble (Music 136, 137, 138)	4
Music 333 Basic Conducting	2	Music electives	7
Music Ensemble (Music 136, 137, 138)	4	Music 50 Student Recitals	0
Music 50 Student Recitals	0		
	<hr style="width: 100%; border: 0.5px solid black;"/>		<hr style="width: 100%; border: 0.5px solid black;"/>
	32		32

¹Or Major Instrument 2 and Secondary Instrument 2.

²Or Major Instrument 4 and Secondary Instrument 2. Formal recital required during senior year.

*May be taken in music and/or supporting areas.

C. Vocal Performance

<i>Freshman Year</i>	<i>Hrs.</i>
English 101 Composition	3
Social Science elective	3
Religion requirement	3
Modern Language 201, 202	6
PE activity	2
Music 111, 112 Theory	8
Music 154 Voice	2
Music 150 Piano	2
Music 132, 134 Ensemble	0
Music 50 Student Recitals	0
Elective	3
	<hr/>
	32

<i>Sophomore Year</i>	<i>Hrs.</i>
Social Science electives	6
Literature elective	3
Religion requirement	3
PE activity	2
Music 211, 212 Theory	8
Music 221, 222 History	6
Music 154 Voice	2
Music 150 Piano	2
Music 132, 134 Ensemble	0
Music 50 Student Recitals	0
	<hr/>
	32

<i>Junior Year</i>	<i>Hrs.</i>
Science requirement	8
Social Science elective	3
Religion requirement	3
Music 363 Language for Singing	3
Music 333 Basic Conducting	2
Music 354 Voice	4
Music 326 Sacred Music Literature	3
Music 135 Madrigal Singers	2
Music 132, 134 Ensemble	2
*Music electives	2
Music 50 Student Recitals	0
	<hr/>
	32

<i>Senior Year</i>	<i>Hrs.</i>
Philosophy requirement	3
Music Literature electives	4
Music 411 Form	3
Music 313 Counterpoint	3
Music 435 Opera Workshop	4
¹ Music 354 Voice	4
Music 132, 134 Ensemble	2
Music 443 Choral Conducting, Techniques and Materials	4
*Music electives	5
Music 50 Student Recitals	0
	<hr/>
	32

¹Formal Recital required during senior year.

*May be taken in music and/or supporting areas.

D. Church Music

<i>Freshman Year</i>		<i>Hrs.</i>	<i>Sophomore Year</i>		<i>Hrs.</i>
English 101 Composition	.....	3	Social Science electives	.....	6
Social Science elective	.....	3	Literature elective	.....	3
Religion requirement	.....	3	Religion requirement	.....	3
Modern Language 201, 202	.....	6	PE activity	.....	2
PE activity	.....	2	Music 211, 212 Theory	.....	8
Music 111, 112 Theory	.....	8	Music 221, 222 History	.....	6
Major Instrument	.....	2	Major Instrument	.....	2
Minor Instrument	.....	2	Minor Instrument	.....	2
Music 132, 134 Ensemble	.....	0	Music 132, 134 Ensemble	.....	0
Music 50 Student Recitals	.....	0	Music 50 Student Recitals	.....	0
Elective	.....	3			
		—			—
		32			32

<i>Junior Year</i>		<i>Hrs.</i>	<i>Senior Year</i>		<i>Hrs.</i>
Science requirement	.....	8	Philosophy requirement	.....	3
Social Science elective	.....	3	Music 426 Worship and Liturgy	.....	3
Religion requirement	.....	3	Music 326 Sacred Music Literature	.....	3
Music 333 Basic Conducting	.....	2	Music 443 Choral Conducting, Techniques and Materials	.....	4
Music 327 Hymnology	.....	3	² Major Instrument	.....	4
Major Instrument	.....	4	Music 313, Counterpoint	.....	3
¹ Music 363 Language for Singing	.....	3	Music 411 Form	.....	3
Music 132, 134 Ensemble	.....	2	Music Literature electives	.....	4
*Music electives	.....	4	Music 132, 134 Ensemble	.....	2
Music 50 Student Recitals	.....	0	*Music electives	.....	3
		—	Music 50 Student Recitals	.....	0
		32			—
					32

¹For voice concentration only.²Formal Recital required during senior year.

*May be taken in music and/or supporting areas.



SCHOOL OF NURSING

The School of Nursing is a professional school which meets the University requirements for the degree of Bachelor of Science in Nursing. It is accredited by the Washington State Board of Nursing and by the National League for Nursing. Graduates who successfully complete the State Board Examinations (Registered Nurse) are qualified to fill first level staff nursing positions in health agencies.

Philosophy and Purpose

The School of Nursing, as one of the professional schools of Pacific Lutheran University, accepts the challenge of preparation of a trained Christian citizenry of professional nurses who recognize and participate in the responsibilities and opportunities for Christian service in nursing. The School recognizes that its functions are teaching, service and research. In accepting this challenge the faculty acknowledges its responsibility for promoting high quality professional nursing services for people in the hospital, home and community.

The School of Nursing Faculty accepts the following principles:

1. Education is an ongoing process in which the individual acquires knowledge, refines attitudes and develops a set of values, learning to act upon these for the betterment of self and society. In this educational process the student increases his capacity to relate to mankind by means of a course of action in which he grows, develops skills and finds expression for creativity, all of which will enable him to progress toward future self-realization in becoming a responsible member of society.
2. Learning occurs when there is a change in behavior resulting from experience rather than maturation, and when that behavior continues. Each person approaches his learning task in his own way. Each individual responds to the total situation as a whole person. There are levels of learning each of which builds upon the other in the following sequence: awareness, knowledge, understanding, appreciation, application of principles and teaching of principles.
3. Nursing as a profession should be concerned with the physical, emotional, intellectual, social and spiritual health of the individual. The School strives therefore to guide its students in developing a sense of responsibility for acquiring the knowledge and skills necessary to help meet the total health needs of the individual.
4. Emotional, intellectual, social and spiritual growth are essential to the enrichment of one's own life and to the optimum development of one's ability to help others. The preparation of the professional nurse includes cultural growth through the use of the various disciplines of the University. The professional curriculum provides education in available fields of health teaching arranged in a logical sequence of learning.

5. The Christian University has a distinct advantage in offering this type of total education and carries a responsibility to prepare individuals interested in serving their God and their fellowmen through the practice of professional nursing. Nursing education, therefore, should be motivated by the basic principles of Christian love and service.

The aim of the School of Nursing is to prepare students to recognize and participate in the responsibilities and opportunities for Christian service in nursing. Necessary tools are provided for functioning as staff nurses, for developing the competencies basic to advancing to positions requiring leadership skills, and for acquiring a foundation for graduate study.

Objectives

In keeping with the philosophy of ministering to the total nursing needs of the individual, the School of Nursing assists the student:

1. To acquire knowledge essential to function as a professional nurse.
2. To develop an ability to function effectively as a professional nurse.
3. To develop an attitude which will foster continuing professional and personal growth.
4. To recognize her responsibility as a citizen.
5. To develop an appreciation of the value of a general education in adding depth and breadth to personal and professional experience and to serve as a foundation for professional courses.

Health

The nursing student maintains her own optimum health and is a promoter and teacher of health. Physical examinations, x-rays and immunizations are required prior to admission to the clinical areas and periodically thereafter, and are the responsibility of the students. Students should carry personal health insurance.

Special Fees

In addition to regular University costs, students are to provide their own transportation between the University campus and the clinical laboratory areas. Health examination fees and student uniforms (approximately \$70.00) are the responsibility of the student.

The Nursing Program

This program is planned for high school graduates and may be completed in four academic years by students who meet the School requirements. Through this program of general and professional education, students prepare themselves for beginning positions in professional nursing and for continuing their education at the graduate level.

Admission and Curriculum Requirements

In addition to the requirements for admission to the University, the School of Nursing requires a one unit course in biology and a one unit course in

chemistry. Deficiencies will need to be removed prior to enrolling in the professional nursing program.

To be approved by the faculty of the School of Nursing for enrollment in the clinical nursing courses which begin in the sophomore year, the student must give evidence of physical, emotional and intellectual aptitude for nursing; must possess personal attitudes and ideals which are desirable in nursing; and must have a cumulative grade point average for her college course of 2.0. She must also have a minimum grade of 2.0 in each course required for the program as indicated in the course outline.

Standards required for admission must be maintained throughout the program if the candidate is to retain her standing in the School.

A candidate who has attended some other institution, including graduation from an approved school of nursing, may receive credit toward a degree in nursing provided she meets the general requirements for admission to the School of Nursing. Transferable credits from another institution of higher learning will be evaluated on an individual basis. The *graduate nurse* applicant may receive credit for her earlier education by examination of nursing and related courses in accordance with the Advanced Placement policy of the University. She will follow the curriculum outlined for the Bachelor of Science in Nursing in regard to course requirements, sequence of courses, and prerequisites.

The School of Nursing faculty reserves the right to request the withdrawal of a nursing student who fails to demonstrate competency, or who fails to maintain professional standards.

Resources, Facilities and Services

To provide the best learning experience in the various clinical fields under the direct supervision of its faculty members, the School utilizes the hospitals and health agencies in its immediate vicinity including their libraries and classrooms. Clinical laboratory learning is directed by regular University faculty members in the following health agencies:

GOOD SAMARITAN HOSPITAL, Puyallup, Washington (96 beds)

Paul Teslow, M.H.A., Administrator
Virginia Lovitt, R.N., Director of Nursing Service

LAKEWOOD GENERAL HOSPITAL (100 beds)

Harry Sanislo, Administrator
Walter Wilhelm, B.A., Assistant Administrator
Orpha J. Noble, R.N., Director of Nursing

MADIGAN GENERAL HOSPITAL (536 beds)

Brig. General Richard I. Crone, M.D., Hospital Commander
Lt. Col. Althea E. Williams, R.N., M.H.A., A.N.C. Chief Nurse

MAPLE LANE SCHOOL FOR GIRLS, Centralia, Washington (150 beds)

Edna Goodrich, Superintendent
Richard Barrett, Assistant Superintendent

MOUNTAIN VIEW GENERAL HOSPITAL (287 beds)

Claris Allison, M.D., Superintendent
Agnes Wilson, R.N., Director of Nursing

ST. JOSEPH'S HOSPITAL (250 beds)

Sister Martha Joseph, R.N., M.S.N.E., Administrator
Sister James Helene, R.N., M.S.N., Supervisor, Psychiatric Unit

TACOMA GENERAL HOSPITAL (263 beds)

Walter Huber, B.B.A., Administrator
Bess M. Piggott, B.S., M.N., M.A., Director of Nursing Education
Betty Hoffman, R.N., Director of Nursing Service

TACOMA-PIERCE COUNTY HEALTH DEPARTMENT

Ernst Kredel, M.D., Director of Health
Edith Mitchell, R.N., B.S., Chief of Nursing Division

VETERANS ADMINISTRATION HOSPITAL

American Lake, Washington (904 beds)

Thomas March, M.D., Hospital Director
Florence M. Naske, R.N., B.S., Chief, Nursing Service
Florence H. Muehlhauser, R.N., M.S.N., Associate Chief, Nursing Service
for Education



Curriculum for Bachelor of Science in Nursing

<i>Freshman Year</i>	<i>Hrs.</i>	<i>Sophomore Year</i>	<i>Hrs.</i>
†Biology 161, 162 Human Anatomy and Physiology	8	†Nursing 235, 236 Medical-Surgical Nursing	20
†Biology 201 Microbiology	4	Religion requirement	3
†Chemistry 103 Organic Chemistry	4	†Psychology 240 Elementary Analysis	3
English 101 Composition	3	Elective (Nursing)	3
†Sociology 101 Introduction to Sociology	3	Literature elective (or Fine Arts)	3
†Psychology 101 General Psychology	3	PE activity	2
Religion 103 Introduction to Christian Faith	3		
PE activity	2		
	<hr/>		<hr/>
	30		34
<i>Junior Year</i>	<i>Hrs.</i>	<i>Senior Year</i>	<i>Hrs.</i>
†Nursing 335 Maternal-Child Nursing	10	†Nursing 402 Trends in Nursing	3
†Nursing 337 Psychiatric Nursing	8	†Nursing 445 Fundamentals of Community Health	2
†Psychology 301 Human Development	3	†Nursing 446 Community Nursing	4
Religion elective	3	†Nursing 470 Emergency and Disaster Nursing	3
Social Science elective	3	†Nursing 475 Senior Nursing	10
†Sociology 431 The Family	3	Literature elective	3
Fine Arts elective (or Literature)	3	Philosophy elective	3
	<hr/>	Elective	3
	33		<hr/>
			31

†Courses required for nursing major



AIR FORCE RESERVE OFFICER TRAINING CORPS PROGRAM (Aerospace Studies)

Students who have been selected for the Air Force ROTC two year commissioning program, or who are transferees qualified for entry into the Air Force ROTC Professional Officers Course, and are enrolled at Pacific Lutheran University may enroll in Air Force ROTC-Aerospace Studies courses at the University of Puget Sound. This program leads to a commission as a second lieutenant in the U.S. Air Force upon graduation from Pacific Lutheran University.

Purpose

The purpose of the Air Force ROTC-Aerospace Studies program is to select and educate young college men as future officers of the U.S. Air Force. The program provides professional training for potential career officers. The minimum active duty tour after commissioning is five years for those who complete flying training and four years for all others.

Curriculum

1. The curriculum is divided into two courses: the Field Training Course and the Professional Officers Course. The Field Training Course is six weeks in duration and is conducted during the summer at an Air Force Base. Students attending this course are furnished transportation to the training sites; and receive pay, housing, uniforms and medical attention at government expense during the training period. The Professional Officers Course consists of academic instruction three hours per week and corps training one hour per week each semester of the junior and senior years. The Professional Officers Course is conducted on the campus of the University of Puget Sound, Tacoma, Washington. Successful completion of field training is a prerequisite to enrollment in the Professional Officers Course.
2. Two year commissioning program
 - a. Summer before junior year:

AS 250 Field Training	3 hrs.
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 - b. Junior year (Professional Officers Course)

AS 301 Growth and Development of Aerospace Power	3 hrs.
AS 303 Corps training	1/2 hr.
AS 302 Growth and Development of Aerospace Power	3 hrs.
AS 304 Corps training	1/2 hr.
 - c. Senior year (Professional Officers Course)

AS 401 The Professional Officer	3 hrs.
AS 403 Corps training	1/2 hr.
AS 402 The Professional Officer	3 hrs.
AS 404 Corps training	1/2 hr.

Admissions and Procedures

1. Applications for the Air Force ROTC program are normally accepted during December and January each year. Selection for the course is on a competitive best qualified basis.
2. Each student accepted into the Professional Officers Course must:
 - a. Have satisfactorily completed the prerequisite field training or general military courses.
 - b. Have two academic years remaining of either undergraduate or graduate study.
 - c. Successfully complete Air Force officer qualifications testing and medical evaluation.
 - d. Have a graduation date prior to reaching 26½ years of age if qualified for flight training or 28 years of age if qualified for other than flight training.
 - e. Enlist in the Air Force Reserve and agree to attend and faithfully pursue the prescribed course of instruction.
3. Students accepted into the Professional Officers Course receive a retainer of \$50.00 per month for ten months of each year of their training.
4. Students are furnished uniforms and textbooks for Aerospace Studies Courses.
5. A flight instruction program is available for students qualified for pilot training. This training may lead to FAA private pilot certification.
6. Additional information about the Air Force ROTC—Aerospace Studies program may be obtained by writing the Professor of Aerospace Studies, University of Puget Sound, Tacoma, Washington 98416.



DIVISION OF GRADUATE STUDIES

Purpose

The Division of Graduate Studies is an all-university division co-ordinating and integrating the work of the undergraduate schools and colleges, which through their various departments provide graduate level work. Its general objective is to further the basic objectives of the University by providing advanced graduate level academic and professional work. Its specific objectives are: (1) to increase the breadth and depth of understanding of the graduate student in one or more of the liberal arts disciplines, (2) to increase the student's knowledge of the research being done in his field of concentration and to increase his ability to read the professional journals of his area of interest, (3) to develop the student's ability to do independent study and research, and (4) to prepare students through the upper division and graduate division, and through the University's professional schools, for entry into a vocation directly, or to enter other graduate schools for further advanced study leading to the Doctor's degree.

Admission

Students holding a Bachelor's degree from an accredited college or university who attain an undergraduate scholastic honor-point ratio of 3.0 may be admitted and granted *regular status* in the Division of Graduate Studies. Those with less than an average of 3.0 will not be considered for *regular status* until they have demonstrated their ability to do graduate work by completing 10 semester hours work with a minimum grade point average of 3.0. Students majoring in an area of professional education must have met all requirements for teaching certification. All students expecting to enter the Division of Graduate Studies will be expected to take an admission examination at the University's Counseling and Testing Center or present evidence of prior examination, and have the results forwarded to the Graduate Office. Further supporting evidence in the form of personal recommendations may be requested.

Students applying for admission to graduate study should submit to the Division of Graduate Studies the completed application blank (available from the Graduate Office) plus two official copies of transcripts of all previous college work. This should be done before the first session of registration in graduate courses. In order to insure consideration for entrance in a given term, applications should be made by August 15, December 15, and May 1. A ten-dollar non-refundable application fee should accompany the application. This is a service fee and is not applied to the student's account. Checks or money orders should be made payable to Pacific Lutheran University and sent to the Director of Admissions. Approval of admission to the Division of Graduate Studies does not imply admission to candidacy for the degree. Final

admission approval is determined by the Director of Graduate Studies in consultation with the appropriate Graduate Council Committee.

Classification of Students

1. Those students approved for unqualified admission to graduate study by their respective Graduate Council Committees are granted *regular status*. Students who fail to qualify for *regular status* may be granted *provisional status*.
2. Students who wish to pursue course work with no intention of qualifying for an advanced degree, and those who are transient registrants, will be classified as non-degree students.

ASSIGNMENT TO ADVISER

Regular status students are assigned a major adviser by the Director of Graduate Studies in consultation with the appropriate Graduate Council Committee.

Provisional status students are advised by the chairman or director of the student's major department or school.

Master's Degrees Offered

Master of Arts*

1. Education

- (a) Elementary or Secondary School Administration*—The student who wishes to qualify for the *provisional or standard* principal's credential (elementary or secondary or general) will take a major in this field and a minor in one of the academic departments of the University. Students may major in this field without qualifying for a principal's credential.
- (b) School Counselor Program*—For students who wish to qualify as public school counselors.
- (c) Elementary Classroom Teaching*—This program is for those students who wish to qualify as elementary school supervisors or consultants. Along with the major in this field the student is required to complete an academic minor.
- (d) Secondary Classroom Teaching*—This program is for those students who wish to increase their preparation for teaching in an area of social science.

2. *Humanities**—This degree program is designed for librarians, ministers of the gospel, teachers and others who wish to extend and broaden their understanding and appreciation of the various fields of the Humanities.

*Details of this program may be obtained from the office of the Director of Graduate Studies.

3. *Social Sciences**—This degree program is designed for personnel workers in industry, welfare workers, librarians, ministers of the gospel, teachers, and others who wish to extend and broaden their understanding and appreciation of the various fields of the Social Sciences.

*Master of Business Administration**—This degree program is designed to provide, through education, a foundation for responsible leadership in business.

*Master of Natural Science**—This degree program is designed especially for teachers who need to extend and broaden their knowledge in the fields of science and mathematics.

The total graduate program, including approval of the student's research work, is supervised by a student advisory committee composed of the major adviser and two other faculty members as determined by the appropriate Graduate Council Committee. A minimum of thirty semester hours is required. Six semester hours of graduate work may be taken at another institution provided that approval has been given by the student advisory committee.

Regular status students must have their proposed programs of courses approved by their respective student advisory committees before or during the first session of registration as a *regular status* student.

Standards of Work

The minimum standard acceptable for *regular status* students is a grade point average of 3.0 in his major field and an overall average of 3.0 in his graduate work.

Research Requirements

As an important part of his Master's program, the student is required to show that he can do independent research. In some programs a thesis is required. In other programs he may elect to follow one of two plans: complete a thesis or write two or three research papers. Whichever plan he follows, before embarking on his research, the candidate must present an outline of his proposed research to his advisory committee for approval. This outline should follow a prescribed plan obtainable upon request. After his proposal for research has been approved, he must report to the appropriate adviser periodically for evaluation of his work. The research in its final form must be presented to the student advisory committee for its approval. This must be done *at least six weeks* before awarding of the degree. Where a thesis is required it must be written in the major field of concentration. Where a thesis is not required, the research may all be done in the major or partly in the major and partly in the minor.

Under the thesis plan, the student is required to submit two typewritten copies of this thesis (to be bound later), the original for deposit in the University library and the first carbon copy for the Division of Graduate Studies. The student will be expected to present evidence that he has paid

*Details of this program may be obtained from the office of the Director of Graduate Studies.

the necessary binding fees for the thesis at the Business Office. No binding fees are charged for research papers. Under the research paper plan, the student must deposit one typewritten copy of each paper with the Division of Graduate Studies.

Examinations

A written comprehensive examination and/or oral examination over the student's program of studies, as well as an oral examination on the thesis or research papers, is required. These examinations over the student's program of studies are under the direction of the major adviser and/or the student advisory committee and must be successfully passed not later than *six weeks* prior to commencement. The oral examination over the thesis or research is under the direction of the student advisory committee and must be completed *not later than four weeks prior to commencement*.

Time Limit

All requirements for the Master's degree must be completed within seven years. The seven-year period covers all work submitted for the completion of the Master's degree regardless of whether the work was taken under *provisional* or *regular status*, as well as credit transferred from another institution, comprehensive examination, thesis, and final oral examination.

Residence Requirement

All candidates for the Master's degree must complete a minimum of 24 hours in residence. This requirement may be fulfilled by either one full academic year in attendance or three full summers.

In certain fields students may meet the requirements for the Master's degree on a full-time basis by attending one full academic year and one summer session. The requirements may also be met by attending summer sessions only or on a part-time basis during the regular academic year.



Summary of Procedures for Master's Degrees

<i>Procedures</i>	<i>Under the Direction of</i>	<i>Date</i>
Application for admission to the Division of Graduate Studies	Director of Graduate Studies	Before the first session of registration as a <i>regular status</i> student
Approval of admission	Director of Graduate Studies and Graduate Council Committee	Before the first session of registration as a <i>regular status</i> student
Approval of degree program	Student Advisory Committee	During the first session of registration as a <i>regular status</i> student
Approval of each registration	Major Adviser	During the official registration dates
Selection and approval of thesis problems or problems for research papers	Student Advisory Committee	Not later than the semester before the commencement in which student takes his degree
Progress reports on thesis or research papers	Major adviser	Periodic evaluation and approval
Registration for thesis or research papers	Registrar's Office	Not later than the last registration date before the semester in which student takes his degree
Application for graduation	Registrar's Office	At beginning of semester in which student expects to earn his degree
Comprehensive written and/or oral examination over student's program of studies.	Major adviser and or Student Advisory Committee	During final year but not later than six weeks before commencement in which student takes his degree
Filing of thesis or research papers	Student Advisory Committee	During final year but not later than <i>six weeks</i> before commencement
Final oral examination on thesis or research papers	Student Advisory Committee	During final year but not later than <i>four weeks</i> before commencement
Graduation fee and fee for binding thesis	Business Office	During final year but not later than <i>four weeks</i> before commencement
Recommendation to the faculty for the awarding of the degree	Director of Graduate Studies	Not later than <i>three weeks</i> prior to commencement



Courses of Instruction

The course requirements for the College of Arts and Sciences and the College of Professional Studies (including the School of Business Administration, the School of Education, the School of Fine Arts, the School of Nursing) and the Division of Graduate Studies, are listed in the preceding section, Academic Organization.

In the following pages will be found the courses of instruction. While most of the courses listed are given every year, a system of alternating upper division subjects is practiced in some departments, thereby assuring a broader offering.

Courses open to freshman and sophomores are numbered 101-299 and are considered lower division subjects. Courses open to juniors and seniors are numbered 300-499 and are regarded as upper division subjects. Courses numbered 500 or above are open to graduate students only. Courses numbered in the 300's and 400's are open both to graduates and upper division undergraduates. Such courses may be a part of the graduate program provided they are not specific requirements in preparation for graduate study.

Upon the approval of his adviser and with the consent of the instructor, a lower division student may be assigned to an upper division course if the prerequisites for the course have been met. In such cases courses successfully completed may be counted toward the university upper division credit requirements.

The University reserves the right to modify specific course requirements, to discontinue classes in which the registration is regarded as insufficient, and to withdraw courses.

Explanation of Symbols

Number after course title indicates semester hours credit given. Symbols are explained as follows:

- I *Course offered first semester*
- II *Course offered second semester*
- I, II *Course offered first and second semester in sequence*
- I II *Course offered either semester*
- S *Course offered in the summer*
- a/y *Course offered alternate years beginning with year listed*
- a/S *Course offered alternate summers beginning with year listed*
- (G) *Course may be used on graduate programs as major*



ART

*Mr. Schwidder, Mr. Elwell, Mr. Kittleson, Mr. Roskos;
assisted by Mr. Laughlin*

The courses of instruction offered by this department are designed to: provide an opportunity for creative expression and develop an awareness of the cultural value of art for all students; offer a general program for the study of art within the framework of the liberal arts; provide a program of instruction in preparation for the teaching of art on the elementary and secondary levels; offer specialized study in the areas of painting, sculpture, ceramics, and art history for professionally oriented students.

Bachelor of Arts degree requirements, for a major in art, are a minimum of twenty-seven credit hours in art including Art 120, 160, 230 or 250, 265, six hours of art history, and electives to complete requirements. A maximum of 40 credit hours in art may be applied toward this degree. Art 110 may not be included in this total. Candidates for this degree are registered in the College of Arts and Sciences.

Bachelor of Arts in Education degree requirements, for a teaching major, are outlined under School of Education. Candidates should refer to page 62 of the section on ACADEMIC PREPARATION.

Bachelor of Fine Arts degree requirements, for a major in art, are outlined under the School of Fine and Applied Arts. Candidates should refer to page 74 of the section on ACADEMIC ORGANIZATION.

The department reserves the right to retain, exhibit, and reproduce student work submitted for credit.

110 Introduction to the Visual Arts 3

An introductory course in the study of man's visual expression from the viewpoints of history, aesthetics, techniques and materials. Emphasis on development of perception and understanding with projects in both the theory and practice of art. Two lectures and one studio period per week. I II

120 Design I 3

A basic study of design elements and principles; integrating environmental stimuli, aesthetic, and servile needs via two or three dimensional problems. I II

160 Drawing I 3

Introduction to basic media and techniques of drawing. A systematic series of exercises structured to develop observation, perception, and draftsmanship. I II

180 Survey of Art History 3

A one-semester overview of sculpture, painting and architecture from the pre-historic arts to the present. Intended to increase students' appreciation for the heritage of art and provide a frame of reference and chronological perspective for study in the history of art. I II

230 Ceramics I 3

Techniques of shaping forms for decorative, expressive, and functional use by handbuilt and wheel thrown methods. Study includes preparation of clay bodies, oxides, and glaze formulations as an integral part of the course. I II

250 Sculpture I 3

Introduction to visual expression in dimensional forms with the several sculptural media and the techniques of modeling, carving and construction. I II

260 Drawing II 3

Continuation of Drawing I. Projects in a variety of media and techniques designed to develop sensitivity to drawing as an art form. Prerequisite: Art 160 II

265 Painting I 3

Introduction to basic studio media and techniques with emphasis on painting methods and fundamental experiences with form and imagery. Prerequisite: Art 160. I II

310 Imagery and Symbolism 3

A survey of the symbolic, pictorial and plastic expressions of man from the perspective of their philosophical and theological implications. Emphasis on the origin and development of forms and also their influence on the modern Church and society. I

320 Design II 3

Continuation of Design I. Application of the elements and principles of art to the areas of commercial, industrial and interior design. Prerequisites: Art 120 or consent of instructor. II

330 Ceramics II 3-9

Continuation of Ceramics I with emphasis on further development of individualized pursuit of visual expression. A student may register for this course for three semesters and earn a total of nine semester hours. Prerequisite: Art 230. I II

340 Art Education: Elementary 2

A course planned for those who intend to teach in the elementary grades. Appropriate projects in drawing, design, and construction are



developed in various media to illustrate the types of work which are suitable to the interest and abilities of these pupils. I II

350 Sculpture II 3-9

Continuation of Sculpture I with emphasis on further development of individualized expression with more varied media and techniques. A student may register for this course for three semesters and earn a total of nine semester hours. Prerequisite: Art 250. I II

365 Painting II 3-9

Continuation of Painting I with emphasis on development of an individualized approach to visual expression. A student may register for this course for three semesters and earn a total of nine semester hours. Prerequisite: Art 265. I II

382 Ancient Art 3

The study of prehistoric and primitive art; the art and architecture of Egypt, the ancient Near East and Aegean areas; the development of the classical style in Greece and the Roman Empire. I a/y 1969-70

383 Medieval Art 3

The study of Early Christian, Byzantine, Romanesque and Gothic development in the art and architecture of the Middle Ages. II a/y 1969-70

384 Renaissance Art 3

The study of the art and architecture of the fifteenth and sixteenth centuries in Italy, Flanders, France and Germany. I a/y 1968-69

385 Baroque Art 3

Development of the Baroque style in European art and architecture from the end of the sixteenth century through the Rococo period. II a/y 1968-69

440a Art Education: Secondary 2

A course planned for those who intend to teach art in the secondary school. Appropriate projects in drawing, painting, sculpture and ceramics are developed in various media to illustrate the types of work which are suitable to the interest and abilities of these pupils. Prerequisite: Consent of instructor. II a/y 1969-70

487 Nineteenth Century Art 3

A study of the art and architecture of the Neo-classic, Romantic, Realist, Impressionist and Post-impressionist periods. I

488 Twentieth Century Art 3

Movements in twentieth century art and architecture such as Fauvism,

Cubism, Expressionism, Surrealism and other styles of major consequence. II

490 Studio III 2-8

A tutorial course with individual investigation in the area of emphasis for major students only. Project thesis is to be submitted in writing to the instructor and chairman of the department. Students must register in a regularly scheduled section of an appropriate course to receive credit for this work. A maximum of 4 credits may be earned per semester. Prerequisite: Senior standing and consent of the chairman of the department. I II

590 Research 2-6

For those Master of Arts candidates who elect to write a research paper in the arts. Candidates will be required to review their research papers before the graduate committee. I II

BIOLOGY

*Mr. Leraus, Mr. Gerheim, Mrs. Jensen, Mr. Knudsen, Mr. Ostenson,
Mr. Pattie, assisted by Mr. Bridges, Mrs. Creso*

The course of instruction in this department is planned to give a fundamental background in the principles and developments of modern biology, an acquaintance with scientific methods and discoveries, and an appreciation for its significant contribution of modern life.

Programs may be designed to give the student the foundation necessary to enter a variety of fields. Among career opportunities available are teaching, medicine, dentistry, veterinary medicine, medical and hospital technology, nursing, public health, graduate study, medical and industrial research, agriculture, forestry, fish and wildlife, microbiology, entomology and related fields.

A major in biology consists of a minimum of 24 hours, at least 12 in upper division courses. Required supporting subjects for the major are one year of Chemistry-Physics 109, 110 and Mathematics 131. Strongly recommended are Chemistry 203, 204 and Physics 201 or 251.

Candidates for the Bachelor of Arts in Education degree, who are planning a teaching major in biology should refer to page 62 under ACADEMIC PREPARATION.

A major for the Bachelor of Science degree consists of a minimum of 35 hours. Required supporting subjects are Chemistry-Physics 109, 110, Chemistry 203, 204; Physics 201, or 251 and 221; and Mathematics 131. A minimum of 60 credit hours in science and mathematics is required. No more than 40 hours in biology may be counted toward graduation.

Curriculum in Biology for the Bachelor of Science Degree

<i>Freshman Year</i>	<i>Hrs.</i>	<i>Sophomore Year</i>	<i>Hrs.</i>
Biology 101, 102, General		Biology approved courses	8
Biology or Biology 131,		Chem-Physics 109, 110	8
132 General Zoology	8	Foreign language 201, 202	6
English 101, Composition	3	†Religion requirement	3
¹ Foreign language 101, 102	8	² Social Science requirement	6
†Religion requirement	3	PE activity	2
Mathematics, Social Science			—
or Art elective(s)	7		
PE activity	2		
	31		33

¹Students who enter with two years of a modern language may elect to take second year courses in the same language during the freshman year.

²Courses thus designated may be taken in any order.

†See page 41 for requirements in religion.

<i>Junior Year</i>	<i>Hrs.</i>	<i>Senior Year</i>	<i>Hrs.</i>
Biology approved courses	8	Biology approved courses	12
Chemistry 203, 204, Organic	8	² Social Science requirement	6
Physics 201 or 251	3	Philosophy requirement	3
Physics 221	1	†Religion requirement	3
² Literature requirement	3	Electives	8
Electives	9		—
	32		32

²Courses thus designated may be taken in any order.

†See page 41 for requirements in religion.

101, 102 General Biology 4, 4

An integrated study of basic concepts concerning living organisms. An exploration of plant and animal communities, structure, function, reproduction and behavior, including principles of genetics, molecular biology and evolution. Two lectures and two laboratories (or field trips) per week. I, II

131, 132 General Zoology 4, 4

A study of the animal kingdom and of fundamental biological principles. Two lectures and two laboratory periods per week. I, II

141, 142 General Botany 4, 4

A survey of the plant kingdom and structures, and a study of life history and ecology of plants. Lectures, laboratory and field trips.

161, 162 *Human Anatomy and Physiology 4, 4*

A study of the structure and functions of the human body. Two lectures and two laboratory periods per week. I, II

201 *Microbiology 4*

Introductory study of micro-organisms that include their metabolism, morphology and staining properties. Two lectures and two laboratory periods per week. Prerequisite: Biology 102, 132, or 161. II

208 *Plants of the Northwest 2*

Primarily for teachers who desire to become familiar with the common plants of the region. Instruction includes the collection and identification of plants. One lecture and one laboratory period per week. II

221 *Biological Techniques 2*

Methods of collecting and preserving biological materials for classroom and research study. Prerequisite: Biology 102 or 132.

222 *Conservation of Natural Resources 2*

A survey of the principles and problems of public and private stewardship of our resources with special reference to the Pacific Northwest. II

231 *Genetics 3*

A study of the dynamics of variation and inheritance. Upper division credit may be earned with additional studies. Prerequisite: Science 121 or Biology 102, 132, or 162.

235 *Biology of the Seashore 4*

A study of the natural history of the marine fauna of Puget Sound. The course is especially useful for teachers of science at elementary and junior high levels. *Not to be counted toward a major in biology.* Lectures, laboratory, and field trips. S

242 *Systematic Botany 3*

Historical survey of classification systems; the use of taxonomic keys in the identification of plants. One lecture and two laboratory periods per week. Prerequisite: Biology 102 or 132. II

274 *Microtechnique 2*

Principles and practice in methods of preparing histological, embryological and cytological specimens for microscopic study. Prerequisite: Biology 102, 132 or 162.

311 Ornithology 2

A study of the birds, with emphasis on local kinds. Designed for students with a hobby interest in birds as well as for advanced students in biology. One lecture and one laboratory period or field trip per week. Prerequisite: Biology 102, 132 or consent of instructor. II

323 Natural History of Invertebrates 4

An ecological, physiological and taxonomic consideration of invertebrate natural history with an emphasis on marine biology and field studies. Lectures, laboratory studies, and field collections. Two lectures and two laboratory periods per week. Prerequisite: Biology 102 or 132. I a/y 1968-69

324 Natural History of Vertebrates 4

Classification, natural history and economic importance of the vertebrates with the exception of birds. Lectures, laboratory studies and field collections. Two lectures and two laboratory periods per week. Prerequisite: Biology 102 or 132; 361 recommended. II a/y 1968-69

342 Trees and Shrubs 2

A study of native trees and shrubs occurring in western Washington. Field identification and taxonomy will be emphasized along with a consideration of conservation and economic factors. Course work includes lectures, field trips and techniques of collecting and preparing herbarium specimens. Prerequisites: one year of biology, or consent of instructor. S

341 Plant Physiology 4

Functions of plants. Topics include: water relations, photosynthesis, fat and protein synthesis, digestion, translocation and respiration. Three lectures and one three-hour laboratory period per week. Prerequisite: Biology 141 and 142, or equivalent. Strongly recommended: Organic Chemistry.

351 Natural History of the Pacific Northwest 5

An extensive field and laboratory course covering major phases of the natural history of the region. Designed as a workshop in outdoor education especially for teachers of science at elementary and junior high levels. Lectures, laboratory studies, and field work. Not to be counted toward a major or graduate credit in biology. Prerequisite: consent of instructor. S

361 Comparative Anatomy 4

A comparative study of vertebrates with dissection of representative forms. Two lectures and two laboratory periods per week. Prerequisite: Biology 102 or 132. I



364 Vertebrate Embryology 4

The development of the vertebrate embryo from the germ cell through the embryological states until birth. Two lectures and two laboratory periods per week. Prerequisite: Biology 102 or 132. II

371 Parasitology 4

A study of the morphology, life histories and host-parasite relationships of the common varieties of parasites of vertebrates with emphasis on those of man. Two lectures and two laboratory periods per week. Prerequisite: Biology 102 or 132. I a/y 1969-70

372 General Entomology 4

Classification and natural history of insects with a strong emphasis on laboratory and field studies and collections. Two lectures and two laboratory periods per week. Prerequisite: Biology 102 or 132. I/II ay 1969-70

411 Histology 4

A microscopic study of the normal tissues and organs of vertebrates. Two lectures and two laboratory periods per week. Prerequisite: Biology 102 or 132.

424 Ecology 4

A study of plants and animals in relation to their environment. Two lectures and two laboratory periods per week. Prerequisite: Biology 102 or 132.

425 Biology Oceanography 4

The study of the ocean as an environment for plant and animal life. The course includes studies of waves, currents, tides and other physical factors of the ocean, and studies of natural life zones of the ocean along with their physical and biological aspects, their fauna and flora, and adaptations of the biota to the zone. Lectures, laboratory, and field trips. Prerequisite: one year of biology. S

441 Vertebrate Physiology 4

A course designed to acquaint the student with fundamental mechanisms of physiology. Three lectures and one laboratory period per week. Prerequisite: Biology 102 or 132. Chemistry 204 recommended. I

446 Cellular Physiology 4

Functional organization and physicochemical properties of cells. Topics include ultrastructure, membrane permeability and transport phenomena, bioelectric phenomena, mechanics of cell division and the cell in relation to its immediate environment. 3 lectures, 1 4-hour laboratory. Prerequisites: Organic Chemistry and 12 units of upper division biology; Biochemistry strongly recommended.

471 History of Biology 2

Fundamental concepts of biology. The rise of scientific thought and method are traced. Prerequisite: Biology majors. II

481, 482 Seminar 1, 1

Selected topics in biology based on literature and/or original research. Open to juniors and seniors majoring in biology. I, II

497, 498 Independent Study 1-2, 1-2

Investigations in fields of special interest not covered by a regular course. Open to qualified students majoring in biology. Prerequisite: Consent of the chairman of the department.

504, 505 Graduate Research 1-3

BUSINESS ADMINISTRATION

*Mr. King, Mr. Bancroft, Mr. Hildahl, Mr. Hutcheon,
Mr. McMaster, Mr. Peterson, Mr. Stintzi, Mr. Zulauf;
assisted by Mr. Hackman, Miss Hannula, Mr. Lauer,
Mr. Polley, Mrs. Seger, Mr. Watne*

Requirements for the Bachelor of Business Administration degree are listed under the School of Business Administration in the section, Academic Organization. Candidates for this degree should follow the course outline.

Prerequisite to enrollment in courses above 300: Admission to the School of Business Administration or the consent of the School.

50 Beginning Typewriting—no credit**103 Business Mathematics and Machines 2**

Fundamental operation of 10-key and rotary calculators. Application of machines operation to problems in business mathematics.

142 Advanced Typing 2**211 Financial Accounting 4**

Balance sheet, income statement, accounting cycle, adjustments, asset valuation, partnerships, corporations, basic cost accounting, fund statements, analysis of financial statements.

212 Managerial Accounting 3

Accounting systems, records, standards and analysis to facilitate budgeting, control, and decision-making within the firm. Prerequisite: BA 211 or equivalent.

241 Business Communication 3

Letters of inquiry; orders and acknowledgments; sales letters, employment letters; claims, adjustments, credit, and collection letters; business reports. Prerequisites: BA 50 or equivalent, and English 101.

245 Shorthand I 3

Gregg Shorthand; for those who have not achieved a minimum standard in previous training; emphasis on theory dictation and beginning transcription. Five hours per week.

246 Shorthand II 3

Gregg Shorthand II; emphasizes sustained speed building in dictation and transcription. Designed for those who have completed Business Administration 245 or who have achieved a minimum standard in previous training.

273 Family Financial Planning 3

See Economics 273. May count as credit for major in business administration.

301 Intermediate Economic Analysis 3

See Economics 301.

302 Intermediate Economic Analysis 3

See Economics 302.

311, 312 Intermediate Accounting 3, 3

Fundamental processes, working capital items especially inventories, non-current items with emphasis on investments and plant and equipment accounts, corporate capital, income determination, cash-flow and funds statements, analytical processes. Prerequisite: BA 212.

313 Federal Income Taxation 3

Tax principles and tax planning. Personal and corporate income tax, including capital gains. Prerequisite: BA 212.

314 Auditing 3

The principles and procedures of auditing as they apply to the major balance sheet and income accounts; generally accepted auditing standards used by CPA's; professional ethics. Prerequisite: BA 312.

315 Cost Accounting 3

Principles of cost accounting; job lot and process systems; standard costs. Use of accumulated and budgeted costs in financial and managerial accounting. Prerequisite: BA 212.

317 Data Processing Systems 3

Elements of information theory, storage, and retrieval. Business and industrial applications of electronic digital computers. Fundamentals of programming languages, number systems, notation, input-output, memory devices, peripheral configurations. Familiarization with data processing equipment.

321 Labor Problems 3

See Economics 321.

331 International Trade 3

See Economics 331.

340 Principles of Business Education 3

Objectives of high school business programs; the business curriculum; sources of information; leading business educators; analysis of current writings; layout and facilities; evaluating business teachers; evaluating competence for business occupations; national and local trends in business education.

341 Mathematical Statistics 3

See Mathematics 341.

342 Secretarial Procedure 3

Advanced dictation and transcription; office practice, procedures and systems; dictating machines, duplicating processes. Prerequisites: BA 142 and 246 or equivalents.

351 Organization and Management 3

Art and science of management in a dynamic society. Planning, directing, coordinating and controlling the changing organization.

352 Production Management 3

Principles of scientific management; planning products, physical facilities, equipment and materials for production; methods and techniques of supervision and control of personnel; production control; purchasing and inventory management. Prerequisite: BA 441.

354 Office Management 3

Application of management principles to office organization. Layout and facilities, equipment, flow of work, data processing systems, evaluation and standards. Coordination with other business functions. Prerequisite: BA 212.

361 Money and Banking 3

See Economics 361.

**362 Public Finance 3**

See Economics 362.

364 Business Finance 3

Finance management, short- and long-term financing, instruments of finance, financial institutions, promotion, dividend policy, expansion of the firm, and reorganization. Prerequisites: BA 212, 441.

365 Real Estate 3

Land and buildings, legal forms, real estate market, appraisal, financing real estate, public interest, property development and management, location theory.

366 Insurance 3

An introduction to the underlying principles of insurance followed by a descriptive study in the more important branches of the insurance business.

371 Marketing 3

Marketing functions; ultimate consumers; institutions and channels for marketing consumer and industrial goods; basic techniques of marketing; marketing policies and government regulation.

375 Advertising 3

Role of advertising in the marketing program; elements of advertisement, media and methods; planning and control of advertising programs; psychological, social and economic aspects of advertising. Prerequisite: BA 371.

421 Personnel Management 3

Principles and procedures used in obtaining and maintaining an efficient working force. Prerequisites: BA 441 and Psychology 101.

422 Collective Bargaining 2

The principles of collective bargaining are studied through the medium of actual cases from American industry dealing with the negotiation and application of union-management agreements.

434 Government and Business 3

See Economics 434.

140b Business Education in the Secondary School 3

Application of research findings and psychological principles to the development of skills, attitudes, and concepts in typewriting, shorthand, consumer, general business, and office practice courses, and distributive education.

441 Statistical Methods 3

See Economics 441.

442 Records Management 3

The study of filing systems and information retrieval. The role of records in the overall systems approach; concept of records as an information center. Information handling problems in organization, control, evaluation, and disposition of records; protection of vital records; maintenance of semi-active records; depository control of archives.

443 Studies in Organizational Communication 3

Problems of maintaining a flow of oral and written communication as an integrating force; controlling internal activities through administrative writing. Modern theories and practices of organizational information systems and controls. Comprehensive analysis and evaluation of actual organizational communication situations.

452 Business Policy 3

Formulation of policies to integrate all functions of business. Social, ethical, religious, economic, educational and international implications in the formulation of business policies and objectives. Prerequisite: Senior classification in the School of Business Administration.

457 Principles of Public Administration 3

See Political Science 457.

461 Financial Analysis 3

The financial policies, the decision making process, and the analytical framework for suppliers and users of private industrial capital. Intensive study of selected companies and industries. Prerequisite: BA 364

471 Marketing Management 3

Product planning; market investigation; marketing strategy; price policies; planning and administering comprehensive marketing programs; control of marketing operations. Prerequisites: BA 371, 441.

473 Purchasing 3

Organization for purchasing; purchasing policies and procedures; selection of sources of supply; quality and quality control of purchased materials; controlling quantity and price determination.

474 Transportation 3

Functions and characteristics of transportation services; rates, service and carrier competition; coordination of highway, railroad, air and ocean traffic; industry practices; regulation and promotion by government.

477 Sales Management 3

Functions of the sales manager; organization; selection, development, compensation, supervision and control of salesmen; sales planning and analysis. Prerequisites: BA 371, 441.

490 Seminar 1-3

Seminars on specifically selected topics in business administration. Offered on demand. Prerequisite: Consent of instructor.

491, 492 Business Law 3, 3

Procedures, contracts, agency, negotiable instruments, business organizations, property, trusts and wills, transportation, insurance and employment.

499 Major Conference 1-4

Individual problems and assignments, group conferences and research reports. Prerequisite: Consent of instructor.

504 Managerial Economics 3

See Economics 504.

512 Accounting Information and Control 3

Develops the use of accounting data and systems for inventory costing, cost control, profit planning, and decision making. Prerequisite: BA 211 or permission of the School of Business Administration.

513 Quantitative Methods 3

See Economics 543.

550 Organizational Behavior 3

The science and art of management is explored with special emphasis on the contributions from industrial psychology and sociology. This course is centered on the study of groups and work teams as related to the functions of directing and controlling. Prerequisite: BA 351 or permission of the School of Business Administration.

551 Seminar in Industrial Management 3

Analysis and solution of industrial management problems in the Pacific Northwest. Emphasis is on the relationship of production to other functions and external factors, and modern techniques and methodology as applied in specific industries. Prerequisites: BA 352 or permission of the School of Business Administration.

552 Seminar in Management 3

Advanced reading and research in the management functions of planning, organization, and control.

553 Public Policy and Business 3

Critical analysis of selected policies and regulation of industry. The study includes direct and indirect national, state and local regulation. Prerequisite: permission of the School of Business Administration.

564 Seminar in Business Finance 3

Deals with the role of management in assessing the need for funds; determining the sources and costs of funds; allocating funds within the firm; and controlling their use. Prerequisite: BA 364, or permission of the School of Business Administration.

571 Seminar in Marketing 3

Study and analysis of marketing management problems in the Pacific Northwest. Emphasis is on the relationship of marketing to other internal and external factors, innovation, and modern marketing philosophies. Prerequisite: BA 371 or permission of the School of Business Administration.

590 Case Studies in Business 3

Intensive study of the case collection process and problem solving approaches. Individuals or teams expected to complete case research acceptable for inclusion in the Intercollegiate Case Clearing House Bibliography.

595 Methods and Techniques of Research 2

A study of the various methods and techniques of research. Prerequisite: one semester of statistics.

596 Research in Business I 1-2

For those Master of Business Administration candidates who elect to write two research papers rather than a thesis. Candidates will be required to review their research papers before the Graduate Student's Advisory Committee.

597 Research in Business II 1-2

See BA 596.

598 Thesis 3-4**599 Independent Research 1-3**

Prerequisite: Consent of instructor.



CHEMISTRY

*Mr. Giddings, Mr. Anderson, Mr. Huestis, Mr. Nessel,
Mr. Olsen, Mr. Tobison*

The courses offered by the Department of Chemistry are based on fundamentals of mathematics and physics, modern chemical training and practice being markedly dependent on knowledge of these areas. The courses, curricula, faculty, and facilities of the Department are approved by the American Chemical Society, expediting entry of its graduates into the chemical profession.

Students planning to become professional chemists are advised to seek the Bachelor of Science degree, recipients of which will be certified as graduates of a chemical training program meeting the requirements of the American Chemical Society. The B.S. curriculum is indicated below.

A major fulfilling the requirements of either the Bachelor of Arts or the Bachelor of Arts in Education degree consists of Chemistry 109, 110; 203, 204; 300, 301; 311, 312; and 314. The prerequisites for these courses are Physics 221, 251, and 262 and mathematics through the second semester of calculus (Mathematics 152). This major represents an absolutely minimal preparation for graduate study in chemistry, and a student interested in graduate work should complete some of the additional chemistry courses listed in the B.S. curriculum.

Some recommended supplementary courses for either a B.A. or B.S. major are Mathematics 231, 252, and 351; Physics 222 and 272; and Biology 101, 102. The foreign language requirements of the College of Arts and Sciences should be fulfilled by the study of German or Russian. A year of the other of these two or of French is also recommended.

The Department of Chemistry places great emphasis on its undergraduate research and independent study program (see courses 441, 442 and 451, 452), and all B.S. candidates are required to participate in it. It is offered during both the academic year and the summer. In recent years this program, which aids its student participants in achieving early professional maturity, has been supported by the National Science Foundation. Further information on the program and the availability of stipends may be obtained from the Department.



Curriculum in Chemistry for Bachelor of Science Degree¹

<i>Freshman Year</i>	<i>Hrs.</i>	<i>Sophomore Year</i>	<i>Hrs.</i>
Chemistry 109, 110		Chemistry 203, 204	
Chemistry-Physics	8	Organic Chemistry	8
English 101	3	Chemistry 300 Descriptive	
German 201, 202 Intermediate		Inorganic and	
German or Russian 201, 202		Analytic Chemistry	3
Intermediate Russian	6	Physics 221 Sophomore	
Mathematics 151, 152		Laboratory	1
Analytic Geometry and		Physics 251 Intermediate	
Calculus	8	Physics	3
Physical Education		Physics 256 Mechanics	3
requirement	2	Physical Education	
Religion 103 Introduction		requirement	2
to the Christian Faith	3	Religion 203 The Bible	3
² Social Science requirement	3	² Art or Music requirement	3
	—	² Social Science requirement	6
	33		32

¹Numerous opportunities for exemption or advanced placement are available and permit changes to be made in this curriculum. Similarly, changes can be made to accommodate students who are not prepared to begin their college program at the levels suggested.

²Courses thus designated may be taken in any order.

<i>Junior Year</i>	<i>Hrs.</i>	<i>Senior Year</i>	<i>Hrs.</i>
Chemistry 301 Descriptive		Chemistry 401 Organic	
Inorganic and		Qualitative Analysis	3
Analytical Chemistry	3	Chemistry 412 Seminar	
Chemistry 309 Chemical		Chemistry 422 Advanced	
Literature	1	Inorganic Chemistry or	
Chemistry 311, 312 Physical		Chemistry 322	
Chemistry	6	Instrumental Analysis	3 or 4
Chemistry 314, 315 Physical		Chemistry 441, 442	
Chemistry	2	Independent Study or	
Chemistry 322 Instrumental		Chemistry 451, 452	
Analysis or Chemistry 422		Research	at least 1
Advanced Inorganic		³ Religion requirement	3
Chemistry	4 or 3	² Electives	18
² Literature requirement	3		30 or 31
² Philosophy requirement	3		
² Social Science requirement	3		
² Electives	9		
	32 or 33		

²Courses thus designated may be taken in any order.

³This requirement alternately may be met in the junior year.

103 *Introductory Organic Chemistry 4*

Survey of organic chemistry, including that pertinent to biological systems. Three lectures and one 2-hour laboratory period per week. I

104 *General Inorganic Chemistry 4*

Basic aspects of chemical theory and inorganic chemistry. Three lectures and one 2-hour laboratory period per week. Prerequisite: Chemistry 103 or permission of instructor. II

109, 110 *Chemistry-Physics 4, 4*

An integrated course in the fundamental principles of physics and chemistry and their application to physical and chemical problems. This course is a prerequisite for all chemistry and physics courses numbered 200 and above. Three lectures, one discussion period and one 2-hour laboratory period per week. Pre- or corequisite: Mathematics 131 or equivalent. I, II

132 *Chemical Principles 1*

Supervised study of topics of unique interest or value to the individual student. Admission only by department invitation. One discussion or laboratory period per week.

203, 204 *Organic Chemistry 4, 4*

An interpretation of properties and reactions of aliphatic, aromatic, and heterocyclic compounds on the basis of current chemical theory. Laboratory work provides an introduction to conventional and modern techniques for the synthesis and study of organic compounds. Three lectures and one 4½-hour laboratory period per week. Prerequisite: Chemistry 109, 110. I, II

300, 301 *Descriptive Inorganic and Analytical Chemistry 3, 3*

Study of the elements grouped according to the periodic table and of classical qualitative and quantitative analysis. Two lectures and one 3-hour laboratory period per week. Prerequisite: Chemistry 109, 110. II, I

304 *Biochemistry 4*

Introduction to the chemistry of biological systems. Three lectures and one 3-hour laboratory period per week. Prerequisite: Chemistry 204. II

309 *Chemical Literature 1*

Study of systematic procedures for library research. One lecture per week. Prerequisites: Chemistry 204 and reading knowledge of German. I

311, 312 Physical Chemistry 3, 3

A study of the relationship between the physical and chemical properties and the energy content of chemical systems. Three lectures per week. Prerequisites: Chemistry 110 and, preferably, 204; Physics 221, 251 and 256; and Mathematics 152, I, II

314, 315 Physical Chemistry Laboratory 1, I

One 3-hour laboratory period per week. Prerequisite or corequisite: Chemistry 311. I, II

322 Instrumental Analysis 4

Instrumental methods of analysis and molecular structure determination. Two lectures and two 3-hour laboratory periods per week. Prerequisites: Chemistry 301 and 311. Must be taken concurrently with or subsequent to Chemistry 312. II a/y 1969-70

401 Organic Qualitative Analysis 3

A study of methods for the isolation and identification of organic compounds. Emphasis is placed on modern techniques such as spectroscopy and chromatography. One lecture and two 3-hour laboratory periods per week. Prerequisites: Chemistry 204 and 309. Chemistry 309 may be taken concurrently. I

412 Seminar 2

A course whose content is variable but always taught on the basis of physical chemical principles. In 1967-68, the course was a study of the kinetics of organic and biochemical reactions. Two discussion periods per week. Prerequisite: Chemistry 312 and permission of instructor. II

422 Advanced Inorganic Chemistry 3

A study of modern inorganic theory including atomic and molecular structure, periodic trends, and coordination compounds. Three lectures per week. Prerequisite: Chemistry 311. Must be taken concurrently with or subsequent to Chemistry 312. II a/y 1968-69

441, 442 Independent Study 1-3

Open to qualified upper division students who wish to study some chemical topic not covered by a regular course. Proposed project must be approved by the chairman of the department. I, II

451, 452 Research 1-3

Open to superior upper division students. Prerequisite: Consent of the chairman of the department. I, II

551, 552 Graduate Research 2-4

Open to master's degree candidates only. Prerequisite: Consent of the chairman of the department.



ECONOMICS

*Mr. Pierson, Mr. Davis, Mr. Genda, Mr. Holman, Mr. Peterson ;
assisted by Mr. Watne*

The courses in economics are designed (1) to offer to all students an opportunity to acquire a general understanding of the private and public sectors of the United States economy so that they may be more enlightened citizens and voters, (2) to provide the necessary general economic background for students majoring in Business Administration and for students in Education in the Social Sciences or in Business Education, and (3) to provide the student with the necessary background for graduate study in economics.

A major in economics shall consist of a minimum of 25 semester hours including Economics 101, 102, 211, 301, 302, 441, and 496. The remaining three hours to meet the minimal requirements may be selected from any of the additional upper division courses offered by the Department of Economics. Students contemplating graduate study in economics are strongly advised (though not required) to include Mathematics 151, 152, 231, and 252 in their total program of study.

101 Principles of Macro Economics 3

An analysis of the operation and organization of the American economic system with emphasis upon the application of the analytical tools to a study of public policy with respect to national income and employment, the monetary system, and economic growth. I II

102 Principles of Micro Economics 3

An analysis of the operation and organization of the American economic system with emphasis upon supply and demand in product price determination, the determination of resource prices, and the functions which prices perform. No prerequisite. I II

211 Financial Accounting 4

See Business Administration 211.

273 Family Financial Planning 3

Consumer saving and spending problems including estate planning, tax planning, life insurance, investments, intelligent buying, budgeting, consumer education and needed legal reforms. Ethical considerations of government and business from the viewpoint of the consumer. The power of the consumer in the areas of production, marketing, finance, and market research.

300 General Economics 3

An introductory course in economics designed for the upper division student who is majoring in a field other than Economics or Business

Administration. The content includes the study of both macro and micro economics (see 101 and 102). Not open to students who have previously had 101 and/or 102. I

301 Intermediate Macro Economic Analysis 3

Macro-economics at the intermediate level. National income accounting and determination including policy implications within the institutional framework of the U.S. economy. Prerequisite: Economics 101. I

302 Intermediate Micro Economic Analysis 3

Micro-economics at the intermediate level. The theory of consumer behavior. Product and factor prices under conditions of monopoly, competition, and intermediate markets. Welfare economics. Prerequisite: Economics 102. II

321 Labor Problems 3

A study of the history, nature and treatment of labor problems in the United States. Among the topics discussed are employment and unemployment; wage problems; collective bargaining; unions and employer associations; industrial unrest and conflict. No prerequisite. II a/y 1968-69.

331 International Trade 3

Regional and international specialization, comparative costs, international payments, and exchange rates. National policies to promote or restrict trade. Business practice in international trade and investment. Prerequisite: Economics 101 and 102. I

361 Money and Banking 3

The nature and functions of money. Credit institutions. The relationship of money and bank deposits to the national economy. Prerequisite: Economics 101. II a/y 1969-70.

362 Public Finance 3

Public taxation and expenditure at the federal, state, and local levels. Types of taxes and expenditures. The budget. The public debt. Fiscal control of the business cycle. Prerequisite: Economics 101. II a/y 1968-69.

364 Business Finance 3

See Business Administration 364.

434 Government and Business 3

A study of the relationship of government and business in the United States with special attention to governmental regulation of business. No prerequisite. II a/y 1969-70.

441 *Statistical Methods 3*

Descriptive statistics: measures of position, dispersion, and proportions. Inferential statistics: estimation and the testing of hypotheses by parametric and nonparametric techniques. Regression and correlation analysis. I II

490 *Seminar 1-3*

Seminars on specifically selected topics in economics will be offered as circumstances warrant. Prerequisite: consent of the instructor.

496 *Readings in the Evolution of Economic Thought 3*

A survey of the development of economic thought from ancient to modern times with emphasis on the period from Adam Smith to J. M. Keynes. This period includes: the classicists, the optimists, the socialists, the nationalists, and the historical and Austrian schools. No prerequisite. II

498 *Independent Study 1-3*

Individual problems and assignments, conferences with instructor, and research report.

504 *Managerial Economics 3*

Develops the ability to apply basic economic concepts to policy formation and operating decisions with special reference to such problems as cost, demand, pricing, and investment. Prerequisite: Economics 101, 102. I

543 *Quantitative Methods 3*

Develops the ability to apply the concepts of probability, sampling, and statistical decision theory to problems faced by management. Prerequisite: permission of the instructor, Economics 441. II

598 *Independent Study 1-3***599 *Thesis 2-3***



EDUCATION

*Mr. Johnston, Mrs. Chambers, Mr. DeBower, Mr. A. Hagen, Mr. Hauge,
Mr. Jones, Mr. Leasure, Mr. Moe, Mrs. Nappus, Miss Orvik,
Mr. Pederson, Mr. Sandler, Mr. Sjoding, Mr. Stein, Miss Williamson;
assisted by Mrs. Bumgardner, Mr. Gray, Mrs. Kehlbeck, Mrs. Philips,
Mr. Schimke, Mr. Warren*

Candidates for the Bachelor of Arts in Education degree should follow the course outline as listed under the School of Education in the section, ACADEMIC ORGANIZATION.

201 Introduction to Education 3

A survey of educational problems and issues to orient new students to the profession. A study of the State Manual and a "project" involving actual experience with children are included. I II S

301 Human Development 3

A study of the emotional, social, intellectual, and physiological development of the human organism from infancy through adolescence. Two lectures and one seminar each week. Two-hour public school observation required weekly, to be individually assigned. Students will be responsible for their own transportation to the public schools. Prerequisite: Psychology 101. Students in the teacher education program should complete Education 201 prior to 301. I II

311 a, b, or cd Methods and Observation 3

A study of curriculum, materials, and methods of teaching at the various levels from primary through high school. Observations in actual school situations followed by discussion. Those who wish to prepare primarily for kindergarten and primary elect 311a; those for intermediate and upper grades, 311b; and those for junior and senior high school, 311cd. Prerequisite: Education 201 and 301. I II

312 The Teaching of Reading — Elementary 3

A survey of teaching reading in the elementary grades, including the programs in the newer approaches. Materials, methods, techniques, procedures and some diagnosis of reading difficulties. Prerequisite: satisfactory completion of Education 201 or consent of instructor. I II S

314 The Teaching of Reading — Secondary 2

A survey of teaching reading in the secondary school, including attention to the developmental reading programs. Materials, methods, techniques, procedures and some observation and diagnosis of reading difficulties. Prerequisite: satisfactory completion of Education 201 or consent of instructor. I II S

315 *Instructional Materials 2*

A survey of audio and visual materials and aids, their use, organization, and administration in the school. I II S

319 *The Teaching of Arithmetic 3*

An over-all study of the basic mathematical skills and abilities needed by the teacher in the elementary school. Recent developments and materials are considered. Prerequisite: Math 319 or consent of instructor. III S

320 *Teaching of Spanish in the Elementary School 2*

A course planned to assist the elementary teacher in teaching conversational Spanish; training in pronunciation and intonation, study units, games, songs, dialogues, films, filmstrips and records will be presented which can be utilized in the classroom. Open to both those with Spanish background and those without.

370 *Principles of Guidance 2*

A study of procedures used in helping the student achieve suitable goals in school and in society.

405 *Adolescent Psychology 2*

See Psychology 405. (G)

407 *Educational Sociology 3*

See Sociology 407. (G)

408, 409 *Readings in Educational Problems 1-3*

Students who desire to pursue a special line of individual reading, investigation, or research may do so for credit, receiving help and guidance from the faculty member best qualified to assist in the particular problem. Credit will vary with the amount of work done. (G)

412 *The Blind Child in the Public School 2*

A course to help the teacher assist the blind and partially seeing child to adjust emotionally, socially, physically, and educationally to the regular public school classroom situation. An introduction to English Braille and a study of methods, materials, and equipment are included. (G)

413 *Science in the Elementary School 2*

A course designed to acquaint the student with the objectives, materials, and methods of teaching science in an integrated program. S (G)

414 *Social Studies in the Elementary School 2*

A course designed to acquaint the student with objectives, materials,

and methods of teaching the social studies in an integrated program. Open to experienced teachers only. S (G)

416 *Parent-Teacher Conference 2*

A study of the principles and techniques of parent-teacher conferences. Procedures for introducing a parent-teacher conference program to the school and community. Evaluation of various grading systems. Open only to experienced teachers and students who have completed or are taking student teaching. I II S (G)

419 *Administration of the School Library 2*

Organization and administration of the school library for teacher-librarians in the elementary schools. (G)

420 *Processing School Library Materials 2*

Simplified procedures for the classification, cataloging, and technical processing of school library materials. (G)

422 *Basic Reference Materials 2*

An introduction to those services of a school librarian related to the presentation of the materials, book and nonbook, which form the sources of reference for the informational function of the library. (G)

423 *Language Arts in the Elementary School 2*

A course designed to give the elementary teacher, grades one through six, an understanding of how to teach the language arts in a functional manner. The areas covered and skills studied will be in the fields of reading, writing, grammar and usage, penmanship, spelling, speaking, listening, vocabulary building. Open to experienced teachers or student teachers only. (G)

426 *Primary Reading 2*

A study of the materials and methods of the modern primary reading program and its relation to other activities. Open to experienced teachers only. (G)

428 *Kindergarten 2*

A study of the kindergarten child and his adjustment problems. Special emphasis on activities and procedures for his development. (G)

433 *Principles and Techniques in Secondary Education 4*

Purposes, trends, current issues, and techniques in secondary education. An opportunity is provided for planning curricula on the secondary level, individually and cooperatively. Registration in this course is permitted only to those students wishing to meet special certification requirements. Not permitted for students who have had 311ed.

436, 437, 438, 439 Workshops 1-3

Workshops in special fields for varying periods of time. (G)

440 Specific Methods in Teaching Secondary School Subjects 2

Studies of the curriculum, methods, and materials of instruction in the various fields of the secondary school curriculum. These courses are offered by different departments of the University as indicated below and may be taken for graduate credit.

440a Art in the Secondary School 2

See Art 440a. (G)

440b Business Education in the Secondary School 3

See Business Administration 440b. (G)

440c English in the Secondary School 2

(G)

440d Literature in the Secondary School 2

(G)

440e Mathematics in the Secondary School 2

(G)

440g Science in the Secondary School 2

(G)

440h Social Studies in the Secondary School 2

(G)

440j Chemistry in the Secondary School 2

(G)

440n Methods in Teaching Foreign Languages 2

A study of the theory and techniques of foreign language teaching, with special problems applicable to the student's major language. Special emphasis on audio-lingual techniques. (G)

441 Statistical Methods 3

See Psychology 441. (G)

445 Speech in the Secondary School 2

See Speech 445. (G)

447 Speech for the Classroom Teacher 2

See Speech 447. (G)



449 Reading Center Workshop 2

Clinical study of reading problems and suggested corrective measures. To be taken concurrently with Education 469. Open to experienced teachers only. S (G)

450 Psychological Testing 3

See Psychology 450. (G)

461ab or cd Curriculum, Methods, and Student Teaching 5

A course designed to give some knowledge, understanding, and study of children, subject matter fields, and materials in the student's alternate teaching level plus student teaching on that level. Students enroll in 463a or b and 461cd or in 463c or d and 461ab. I II

463a, b, c, or d Student Teaching 9

Teaching in the public schools under the direction and supervision of classroom teachers and university teachers. Those preparing primarily for kindergarten and primary elect 463a; those for intermediate and upper grades, 463b; those for junior high school, 463c; and those for senior high school, 463d. Prerequisite: Education 311 and one semester in residence. I II

465 Special Project 1-5

Students who wish to do individual study and research on educational problems or additional laboratory experience in public school classrooms may do so with special permission of the Director of the School. I II

468 Laboratory Workshop 3

A practical course using children of elementary age in a classroom situation working out a specific problem. Provision will be made for some active participation of the university students. A conference with the instructor or the Director of the School of Education will be required before registration can be completed. (G)

469 Directed Teaching in Reading Centers 4

Directed observation and teaching in summer remedial classes in public schools. To be taken concurrently with Education 449. Open to experienced teachers only. S (G)

472 Vocational and Educational Guidance 2

This course is designed for those who are interested in the vocational guidance of young people. Special emphasis is placed upon the sources, analysis, filing, and methods of disseminating occupational information.

475 Emotional Problems of Children 2

Emphasis is placed on common emotional problems of elementary and

secondary school-age pupils and the teacher's role when these arise in the classroom.

478 *Mental Health 2*

A study of the basic principles of mental health as they relate to inter-personal relationships.

501 *History of Education 2*

A study of the history of education, Occidental and Oriental, with particular reference to its bearings on contemporary education.

505 *Philosophy of Education 3*

A study of current philosophical literature in the field of education. Pragmatic, existential, and analytic approaches will be considered. a/S 1968

507 *Advanced Education Psychology 2*

Principles and research in human learning and their implications for curriculum and instruction.

509 *Comparative Education 2*

A comparative study of the backgrounds, developments, trends, and problems of major national systems of education.

520 *Individual Psychological Testing 3*

See Psychology 520.

522 *Core Curriculum 2*

A study of the philosophical background of the core curriculum and the methods of teaching applicable to the core. Special attention will be given to problem solving and the preparation of units of instruction.

529 *Diagnosis of Reading Problems 2*

A study of the various methods of appraisal and diagnoses of reading performance. Special attention will be given to the application of the newer approaches. Prerequisite: 312 or its equivalent.

536, 537, 538, 539 *Workshops 1-3*

Graduate workshops in special fields for varying lengths of time.

540 *Counseling Theory and Practice 3*

See Psychology 540.

546 *Curriculum Development 2*

A study of types of curriculum organization and programs and techniques of curriculum development with a view of preparing the student for his own work on curriculum problems. 1

548 *The Gifted Child 2*

A study of the gifted child, his characteristics and problems, and school procedures designed to further development.

557 *Evaluation 2*

Evaluation of the outcomes of school experiences. Problems that arise in connection with development, organization, and administration of tests (both standardized and teacher made) will be studied. Required of all fifth year students. Prerequisite: Student teaching or teaching experience.

571 *School Guidance Program 2*

A survey study of the guidance program as organized and conducted by a public school system with emphasis on the role of the teacher. II

581 *Public School Administration 3*

Administration and supervision of school personnel, plant, and program; the structure and organization of the school system. Prerequisite: teaching experience. II a/y 1968 a/S 1969

582 *Administrative Internship 2-4*

Internship in school administration planned with the School of Education in cooperation with selected school administrators. Prerequisite: course work in school administration and admission to graduate program.

586 *School Finance 2*

Local, state, and federal contributions to school finance, its philosophy and development. Special emphasis on the development and administration of a school budget. IIa/S 1968

591 *High School Organization and Administration 2*

Current viewpoint and issues in planning and organizing the high school curriculum, schedule making, extra-curricular activities, teachers' meetings, pupil accounting and control, finance and reports. Prerequisite: Education 581.

594 *Administration and Supervision Workshop 4*

The projects discussed will be derived chiefly from the interests and needs of the students. Typical projects are curriculum planning and adjustment in line with present needs, public relation programs, personnel employment and in-service training, and financing building and educational programs. Prerequisite: One course in administration and/or supervision.

595 *Methods and Techniques of Research 2*

A study of the various methods and techniques of research with applications and illustrations drawn from the fields of education and

psychology and from such fields as economics, history, political science, and sociology. Some practice in research is provided. Prerequisite: one semester of statistics.

596 Research Studies in Education 1-2

For those Master of Arts candidates who elect to write two research papers. (One research paper may be in the candidate's minor field written under the supervision of the minor adviser.) Candidates will be required to review their research papers before the Graduate Committee. I II S

597 Research Studies in Education 1-2

See Education 596.

598 Thesis 3-4

For those Master of Arts candidates who elect to write a thesis. The thesis problem will be chosen from the candidate's major area of concentration and must be approved by his Graduate Committee. The candidate will be expected to defend his thesis in a final oral examination conducted by his Committee. I II S

ENGLISH

*Mr. Reigstad, Miss Blomquist, Mrs. Erwin, Mrs. Johnson,
Mr. Klopsch, Miss Knudson, Mr. Ranson, Mr. Sole*

The courses in English are designed (1) to offer all students an opportunity to develop greater competency in the ordinary forms of writing and greater discernment in reading works of literature; (2) to provide limited training in critical and creative writing; (3) to give men and women, regardless of their intended vocations, the rich interpretive insights into man's experience, together with the aesthetic values, that an intensive and extensive knowledge of literature affords; and (4) to provide training for teachers of English on all levels, including the preparation for graduate work leading to teaching in college.

All students who expect to major in English should present a strong background in foreign language as well as in the other liberal arts and sciences. Although French or German is recommended because either one meets the graduate school requirement for admission to advanced study in English, proficiency in almost any language will enhance the ability to understand and



appreciate literature and facilitate effective communication in both composition and speech.

The three-hour general university literature requirement can be met by any course in the department except 101, 218, 302, 318, 321, 322, 400, 403, 404.

For the major in English at least 27 credit hours are required in addition to English 101. Non-teaching majors should take one of the following programs: (1) 241 and 242, 382, 383 or 384, 9 hours of upper division electives in English literature, and 6 hours of electives from any other courses listed; (2) 251 and 252, 382, 383 or 384, 9 hours of upper division electives in American literature, and 6 hours of electives from any other courses listed.

English majors who plan to do graduate work should take 404, 497 and 498.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in English should follow one of the special programs outlined on page 63 under Academic Organization.

Beginning in 1969-70, all junior students will be required to pass an English proficiency examination or to complete a remedial course.

101 *Composition 3*

The course aims to train students to develop ideas accurately and effectively in the sentence, in the paragraph, and in extended written discussion. Essays are read and analyzed to provide models of good exposition, to stimulate thought and discussion, and to develop accuracy in reading. I II

217 *The Short Story 3*

A study of the short story as a narrative form. (Upper division students may obtain upper division credit.) I

218 *Advanced Composition 3*

A study of rhetorical principles used in advanced writing. I II

233, 234 *World Literature 3, 3*

A study of the literature of Western Europe—ancient, medieval, and modern. I, II

241, 242 *Survey of American Literature 3, 3*

A study of American literature from colonial times to the twentieth century. I, II

250 *Contemporary Literature 3*

A study of selected works by major writers, chiefly English and American, representing main trends in poetry, fiction and drama from World War I to the present time. I II

251, 252 *Survey of English Literature 3, 3*

A study of English classics from Beowulf to Hardy and Wilde. I, II

302 History of the English Language 3

A study of the development of the English language, from its beginnings to the present. II

318 Creative Writing 3

For those seriously interested in writing fiction, drama, or poetry. II

321, 322 Children's Literature 3, 3

A study of children's literature and juvenile literature as a rich body of literature in itself and as a guide for book selection in the elementary grades and in junior high school. I, II

332 The Continental Novel 3

A study of representative French, Russian, German, Scandinavian, and Spanish novels of the nineteenth century. I

349 Modern Poetry 3

A study of recent English and American poetry. I

357 English Drama 3

Plays representing the development of drama from the sixteenth century to the nineteenth, exclusive of Shakespeare. I a/y 1969-70

358 Modern Drama 3

Selected plays representing the development of modern drama from realism to the theatre of the absurd. II a/y 1968-69

382 Chaucer 3

Especially *The Canterbury Tales*. Also *Troilus and Cressida* and *Minor Poems*. Study will be made of the development of the English language. I

383 Shakespeare 3

Love's Labour's Lost, *Midsummer-Night's Dream*, *As You Like It*, *Richard III*, *Romeo and Juliet*, *Julius Caesar*, *Troilus and Cressida*, *Othello*, *Macbeth*, *Anthony and Cleopatra*, *Cymbeline*. I

384 Shakespeare 3

Comedy of Errors, *Merchant of Venice*, *Richard II*, *Henry IV: Parts 1 & 2*, *Twelfth Night*, *Measure for Measure*, *Hamlet*, *Lear*, *Coriolanus*, *Tempest*. II

388 Seventeenth Century English Literature 3

Donne, Milton and their contemporaries. II

389 Eighteenth Century English Literature 3

Defoe, Addison, Swift, Pope, Thomson, S. Johnson, Boswell, Goldsmith, Gray, Collins, Burns, Blake. I a/y 1968-69

400 Structural Linguistics 3

See foreign languages.

403 Modern English Grammar 3

A study of the grammar of modern English utilizing the approaches of the three major theories: Traditional, structural, and transformational.

404 Literary Criticism 3

A study of the problems of creating and evaluating literature as discussed by the great critics, especially those of the past century, together with the writing of brief and extensive criticisms of poems, fiction and drama. II

441 The American Renaissance 3

Hawthorne, Emerson, Thoreau, Melville, Whitman.

442 Development of Realism and Naturalism in American Literature 3

Twain, Howells, James, Norris, Crane, Dreiser.

443 Major Southern Writers of the U.S. 3

From Twain to J. C. Ransom, K. A. Porter, Faulkner, Tennessee Williams.

451, 452 The English Novel 3, 3

A study of major novels, selected to represent the main developments in this genre from the eighteenth century to the present. I, II

481 English Renaissance Literature 3

Studies in the prose, poetry and drama of Tudor and Elizabethan England, with primary emphasis upon Shakespeare's contemporaries. II

483 Early Nineteenth Century English Literature 3

An intensive study of Blake, Wordsworth, Coleridge, Byron, Shelley and Keats. I

484 Late Nineteenth Century English Literature 3

An intensive study of the literature of the Victorian period (1830-1900): poetry, criticism, drama and some fiction. II

494 Twentieth Century American Literature 3

An intensive study of representative American writers of the twentieth century, emphasizing their place in the development of current American literary values. K. A. Porter, William Faulkner, Edward Albee, Bernard Malamud, Robert Frost, Robert Lowell, and others. II

495 Twentieth Century English Literature 3

A study of the works of major figures (Shaw, Yeats, Joyce, Lawrence, Auden), supplemented by representative works of other significant authors.

497, 498 Major Conference 1-2, 1-2

Designed to enable exceptional senior major students and senior majors who plan to do graduate work in literature to round out their background by an intensive, planned course of reading. I, II

597, 598 Graduate Research 1-3

FOREIGN LANGUAGES

*Mr. Spangler, Mrs. Durham, Mrs. Fisher, Mr. Malmin, Mrs. Monroe,
Mr. Petersen, Mr. Sevin, Mr. Toven, assisted by Mr. Conant,
Mrs. Hadley, Mr. Hodous, Mr. Lemmon, Mrs. Zubalik*

The study of foreign languages has become a necessity in the present-day world. It gives the student the information, interest, facility, and enjoyable experience acquired in the course of achieving a new language. Through the medium of a foreign language, the student augments his understanding of past and present contributions of other peoples in the areas of civilization, history, literature, and the arts and sciences.

Students preparing to enter graduate school are advised to prepare themselves in at least two modern languages (usually French, German, Russian).

Linguistics**400 Structural Linguistics 3**

An introduction to the study of the nature of language. Basic principles and techniques of descriptive language analysis. Practice in the elementary application of linguistic analysis to selected materials. No prerequisites.

Classical Languages

For a major in classical languages, 27 hours are required, including Greek 201, 202, 311, 312, 321, 322, 352; Latin 201, 202, 331, 332.

It is recommended that one year of Latin precede the study of Greek.

Greek

Currently offered cooperatively with the University of Puget Sound on our campus.

201, 202 Elementary Greek 4, 4

Inflections, vocabulary, and syntax; translations from Greek to English and English to Greek. I, II

311, 312 New Testament 3, 3

I, II



321, 322 *Advanced Grammar and Reading 2, 2*

I, II Offered on demand.

352 *Seminar in Greek Language or Literature 2*

II

Latin**101, 102 *Elementary Latin 4, 4***

Exercises in grammar and syntax; sentences based on ancient authors; second semester, Caesar's Gallic War. I, II

201, 202 *Intermediate Latin 3, 3*

Cicero's Orations against Cataline; Sallust: The War with Cataline; second semester, Virgil's Aeneid. I, II

331, 332 *The Golden Age 3, 3*

First semester, Ovid's Metamorphoses; second semester, the Odes of Horace. Prerequisite Latin: 202 or three admission units in Latin. To be offered on demand.

Classics

These courses are based upon a study of Latin and Greek derivatives. Presentation is by the structural approach of the classical vocabularies. No knowledge of Latin or Greek is required for courses in classics. They will not count as foreign language credit. Recommended for students of the arts and sciences and the romance languages.

301 *Vocabulary Building: Greek in Current Use 2*

Designed as a study of Greek elements in English, with emphasis on words in literary and scientific use. I

302 *Vocabulary Building: Latin in Current Use 2*

Systematic study of the large Latin element in the English vocabulary. Understanding and building scientific vocabulary. II

Modern Languages

The language laboratory provides regular practice in listening to good models of foreign speech and a large amount of imitation and repetitive drill. Listening practice is intended to lead progressively toward the ability to express one's thoughts in conversation with pronunciation, intonation, and use of grammatical forms acceptable to the educated native speaker.

Laboratory drill is required as a regular part of course assignments in beginning and intermediate courses and in some advanced courses.

The aural-oral approach is used in all elementary and intermediate courses in modern languages.

French

Twenty-four (24) hours above 102 are required for a major in French, including at least two of the following: French 403, 404, 405, 406.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in French should refer to page 64 under ACADEMIC PREPARATION.

101, 102 Elementary French 4, 4

Grammar, selected readings, laboratory attendance. I, II

201, 202 Intermediate French 3, 3

Grammar, readings, laboratory attendance. I, II

221, 222 Introduction to French Civilization 2, 2

Readings in cultural materials and a selection of edited novels, with some conversation practice. May accompany French 201, 202. I, II

251 Scientific French 3

Offered on demand.

303, 304 Survey of French Literature 3, 3

Study and analysis of representative French poets and writers from the Middle Ages to the 20th Century. Conducted in French. Prerequisite: French 201, 202 or consent of instructor. I, II

351, 352 Composition and Advanced Grammar 3, 3

I, II a/y 1968-69

403 Seventeenth Century French Literature 3

Study and analysis of literary works of the 17th Century, including works of Moliere, Racine, Corneille, Pascal, Boileau. Conducted in French. Prerequisite: French 303, 304 or consent of instructor. I a/y 1969-70

404 Eighteenth Century French Literature 3

Study and analysis of literary works of the 18th Century, including works of Voltaire, Montesquieu, Diderot, Rousseau and the Encyclopedists. Conducted in French. Prerequisite: French 303, 304 or consent of the instructor. II a/y 1969-70

405 Nineteenth Century French Literature 3

Study and analysis of literary works of the 19th Century, including works of Chateaubriand, Hugo, Musset, Stendhal, and Flaubert. Conducted in French. Prerequisite: French 303, 304 or consent of instructor. I a/y 1968-69

406 Twentieth Century French Literature 3

Study and analysis of literary works of the 20th Century, including

works of Proust, Gide, Sartre, Camus and Anouilh. Conducted in French. Prerequisite: French 303, 304 or consent of instructor. II a/y 1968-69

440n *Methods in Teaching Foreign Languages 2*

See Education 440n.

497, 498 *Independent Study 1-2*

German

Twenty-four (24) hours above 102 are required for a major in German, including German 352, 371, 372, 401, 402.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in German should refer to page 65 under ACADEMIC PREPARATION.

101, 102 *Elementary German 4, 4*

Grammar; conversation, selected readings, laboratory attendance. I, II

201, 202 *Intermediate German 3, 3*

Grammar review, selected readings, laboratory attendance. I, II

221, 222 *Conversation and Composition 2, 2*

May accompany German 201, 202. I, II

335, 336 *German Civilization 2, 2*

The cultural-historical development of German art, literature, music, philosophy, and of the sciences. I, II

352 *Advanced Grammar, Conversation and Composition 3*

II

371 *German Classics 3*

Lessing, Goethe, Schiller. Selected readings in drama, prose and poetry. I (alternate with German 401) a/y 1969-70

372 *The German "Novelle" 3*

Studies in the development of the German short-story form. II (alternate with German 402) a/y 1968-69

401 *Nineteenth Century Literature 3*

A study of the major literary trends of 19th Century Germany. Selected readings in drama, prose, poetry. I (alternate with German 371) a/y 1969-70

402 *Twentieth Century Literature 3*

A study of the major literary trends of the past and present generation of German writers. Selected readings in drama, prose, poetry. II (alternate with German 372) a/y 1968-69

440n *Methods in Teaching Foreign Languages 2*

See Education 440n.

497, 498 *Independent Study 1-2***Japanese**

Currently offered cooperatively with the University of Puget Sound on their campus.

101, 102 *Beginning Japanese 3, 3*

Introduction to pronunciation, conversation, construction patterns, grammar, and kana syllabaries.

201, 202 *Intermediate Japanese 3, 3*

Introduction to Chinese characters. Reading, writing and translation of modern Japanese.

Norwegian

Currently offered cooperatively with the University of Puget Sound on our campus.

101, 102 *Elementary Norwegian 4, 4*

Grammar, conversation, selected readings, laboratory attendance. I, II

201, 202 *Intermediate Norwegian 3, 3*

Stories, periodicals, and publications from Norway. Interpretation of the Scandinavian way of life. I, II

Russian

Currently offered cooperatively with the University of Puget Sound on their campus.

101, 102 *Elementary Russian 4, 4*

Grammar, selected readings. I, II

201, 202 *Intermediate Russian 3, 3*

I, II

Spanish**101, 102 *Elementary Spanish 4, 4***

Grammar, selected readings. I, II

201, 202 *Intermediate Spanish 3, 3*

Readings in Spanish history and literature. I, II

301, 302 *Survey of Spanish Literature 3, 3*

A study of Spanish life and thought as reflected in the works of the country's major writers. Prerequisite: Spanish 201, 202 or consent of instructor. I, II



GENERAL ENGINEERING

Mr. Schmid

- 151, 152 *Engineering Drawing and Descriptive Geometry* 2, 2**
I, II

GENERAL SCIENCE

Mr. Ostenson, Mr. Ringe

A major in general science may be obtained by taking at least two years of work (16 credit hours) in either biology, chemistry, geology, or physics and one year in each of two other sciences.

121 *Introduction to Biological Sciences* 4

A survey course which considers biological principles and their implications for man and his environment. Three lectures and one laboratory period per week. I II

122 *Introduction to Physical Sciences* 4

A survey course which considers the physical laws of the universe by integrating the sciences of astronomy, chemistry, geology, meteorology, oceanography, and physics to study the earth, its materials, processes, history, and environment. Three lectures and one laboratory period per week. I II

136 *Descriptive Astronomy* 2

Topics covered include the moon, the solar system, coordinate systems for locating stellar objects, characteristics of stars.

GEOGRAPHY

Mr. Ulbricht

101 *World Geography* 3

A survey of the physical and social features of the various countries.
I II



GEOLOGY

Mr. Ringe

Geology is the science of the earth; the study of the ocean deeps, the plains, the plateaus, and the mountains. Geology gives the student the opportunity to study minerals, rocks, and fossils, and, with these tools, helps him to understand the development of his present environment.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in Earth Science should refer to page 68 under ACADEMIC PREPARATION.

101 Physical Geology 4

A study of rocks, minerals, and the physiographic features of the surface of the earth. Three lectures and one three-hour laboratory period (or field trip) a week. I

102 Historical Geology 4

A continuation of Geology 101. A study of sedimentary rocks, fossils, and earth history. Three lectures and one three-hour laboratory (or field trip) a week. II

203 Mineralogy 3

Fundamental principles of crystallography and mineralogy, studying both ore and rock forming minerals. Two lectures and one two-hour laboratory period a week. Prerequisites: Geology 101 and high school chemistry or permission. I

204 Petrology 3

Origin, occurrence and classification of the more common rocks; emphasis on hand specimen identification. Prerequisites: Geology 101 and Mineralogy or permission. II

360 Geology of Western Washington 4

A study of the minerals, rocks and geological history of the area between the Columbia Plateau and the Pacific Ocean. Lectures, laboratory sessions and field trips. Prerequisite: one year of college laboratory science or permission. S

365 Glacial Geology of Washington 4

A study of glacial ice, glacial deposits, and land forms resulting from the Pleistocene glaciation in Washington. Lectures, laboratory sessions, and field trips. Prerequisite: one year of college laboratory science or permission. S

497, 498 Independent Study 1-3

HEALTH AND PHYSICAL EDUCATION

Mr. R. Carlson, Mr. Alseth, Mrs. Berg, Mr. Broeker, Mr. Lundgaard, Miss Officer, Mr. Salzman, Mrs. Young; assisted by Mr. Souza

Requirements for a major in Health and Physical Education for the Bachelor of Arts degree are: 27 credit hours including the following courses:

Men — Prerequisite: Biology 101, 102, 161, 162. Physical Education 210, 234, 292, 312, 322, 341, 342, 345, 346, 363, 450, 497.

Women — Prerequisite: Biology 101, 102, 161, 162. Physical Education 210, 234, 290, 292, 312, 322, 333, 341, 342, 345, 346, 450, 497.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in Health and Physical Education or Corrective Therapy should refer to page 65 under ACADEMIC PREPARATION.

Health Education

210 Health Essentials 3

A general course in personal and community health. I II

292 First Aid 2

This course meets the requirements for the Red Cross Standard and Advanced Cards. II

310 Health Education 2

The health instruction program in the public schools. Prerequisite: Health Essentials 210. I a/y 1969-70

465 School Health Program 2

Includes schoolroom construction, lighting, heating, sanitation, ventilation, selection and location of equipment, communicable diseases and medical inspection. II

Physical Education

Activities courses

101, 102 Activities (Women) 1, 1

Freshman activity classes. Two periods per week. I, II

105, 106 Adapted Activities (Women) 1, 1

Activities to meet needs of individual students who are not able to participate in the regular activities classes. Two periods per week. I, II

107, 108 Activities (Men) 1, 1

Freshman activity classes. Two periods per week. I, II

- 111 *Beginning Swimming (Men and Women) I***
Recommended for students who fail the proficiency test. I II
- 201 *Beginning Golf (Men and Women) I***
Optional activity class for sophomores. Clubs are furnished for class work. Students furnish their own balls. Students not owning golf clubs may rent clubs for field work. I II
- 202 *Beginning Badminton and Tennis (Men and Women) I***
Optional activity class for sophomores. II
- 203 *Beginning Archery (Men and Women) I***
Optional activity class for sophomores. All equipment furnished. II
- 204 *Beginning Bowling (Men and Women) I***
Optional activity class for sophomores. Special fee required to cover transportation and shoe rental. I II
- 207 *Gymnastics and Rebound Tumbling (Men and Women) I***
Optional activity class for sophomores. I II a/y 1969-70
- 208 *Skiing (Men and Women) I***
Special fee required.
- 211 *Intermediate Swimming (Men and Women) I***
Optional activity class for sophomores. Emphasis on developing better strokes and techniques. Prerequisite: Consent of instructor. I II
- 212 *Advanced Swimming (Men and Women) I***
For advanced swimmers. Prerequisite: Consent of instructor. I II
- 214 *Skin Diving (Men and Women) I***
A course designed for the good swimmer in the basic skills of skin and scuba diving. Not open to freshmen.
- 220 *Field Hockey (Women) I***
Optional activity for freshman and sophomore women. Advanced techniques of field hockey, stick work, and strategy.

Theory and Method Courses

- 234 *American Red Cross Life Saving Course I***
I
- 270 *Football 2***
Theory of Football. I a/y 1969-70
- 271 *Basketball 2***
Theory of Basketball. II

272 Track 2

Theory of Track. II a/y 1968-69

273 Baseball 2

Theory of Baseball. II a/y 1968-69

274 Methods in Teaching Gymnastics and Tumbling 2

Stunts, tumbling, and use of the trampoline. Co-educational. Limited to students majoring in health and physical education. II a/y 1969-70

275 Methods in Teaching Wrestling 2

a/y 1968-69

280, 281 Officiating (Men) 2, 2

A course designed to prepare the student to officiate as a profession. Areas covered in 280: basketball, tackle football, touch football, speedball, and wrestling. Areas covered in 281: baseball, softball, track, volleyball and swimming.

282, 283 Officiating (Women) 2, 2

Techniques used in officiating. Laboratory and lecture sessions. Fall: field hockey, soccer, speedball, basketball; Spring: tennis, badminton, volleyball, track and field.

290 Methods in Teaching Individual Sports (Women) 2

Techniques and methods used in teaching tennis, golf, archery, badminton, bowling and track. a/y 1969-70

312 Physical Education in the Elementary School 2

Progressive series of games and other activities, including physical fitness testing, for the elementary grades. Required for men, majoring in health and physical education, who plan to teach in the elementary school. I

322 Kinesiology 3

Analysis of body movements in relation to physical education activities and posture. Prerequisite: Biology 161, 162. II

323 Principles of Movement 2

A study of the principles involved in basic body movements and the application of these principles to various education activities. I a/y 1968-69

325 Corrective Physical Education 2

Survey of common deviations of posture, functional disturbances, and crippling conditions found in school children. Consideration of the extent and limitations of the teacher's responsibility for their improvement. II S a/y 1969-70

333 *Methods in Teaching Team Sports (Women) 2*

Techniques and methods used in teaching soccer, basketball, volleyball, softball and field hockey. I

336 *Athletic Training 2*

A course designed to aid the physical educator and coach in the prevention and treatment of athletic injuries. Especially valuable to the coach in the field. I

337 *Water Safety Instruction 2*

The American Red Cross Water-Safety Instructor's Course. Prerequisite: Health and Physical Education 234. II

338 *Training Room Techniques 1*

Laboratory techniques in taping ankles, knees, etc.; use of whirlpool, heatlamps and diathermy. Affords practical training room experience. Prerequisite: H&PE 336.

341 *Methods in Folk Dancing 2*

A study of basic steps and movement patterns together with the application of these steps in a variety of folk, couple, square, and mixer dances. I

342 *Problems in Teaching Rhythmics 2*

Prerequisite: Health and Physical Education 341. II

344 *Methods in Teaching Swimming 2*

Prerequisite: Health and Physical Education 234, or its equivalent. II

345 *Principles of Physical Education 2*

The place of health and physical education in the school program, aims, objectives, content of the program, and modern trends. I

346 *School Recreation 2*

A course of instruction for those intending to take full or part-time positions in the field of recreation. The course covers program planning, organization and administration in community recreation, including a study of the relation of public school to community recreation. II

363 *Methods and Materials in Teaching Sports (Men) 2*

A study of methods and techniques in teaching games and sports, exclusive of major sports. II

391, 392 *Corrective Therapy 4, 4*

A corrective therapy clinical training program including lectures, laboratory experience, and clinical practice. Open only to physical education majors. I, II

450 *The School Physical Education Program 2*

Includes problems of organization and administration. I

473 *History of Physical Education 2*

S a/y 1969-70

491 *Reading and Research 1-4*

Open to students majoring in health and physical education. I II

493 *Problems in Physical Education 3*

Limited to those who have had teaching experience. S a/y 1969-70

497, 498 *Major Conference 2*

Prerequisite: Health and Physical Education 363 (Men); or 290, 333 and 341 (Women). II

505 *Graduate Research 1-2*

Open only to graduate students whose minor is in the field of health and physical education, and with approval of department chairman.
I II S





HISTORY

*Mr. Schuackenberg, Mr. Akre, Mr. Halseth, Mr. Langevin,
Mr. Martinson, Mr. Nordquist*

The purpose of the study of history is to inform the student of man's words and deeds that have shaped the world's cultures, movements, institutions, and civilizations. As such, it seeks to build a fund of useful information, sharpen the critical faculties of the mind with respect to materials and methods, train the intellect, discipline the memory, and probe for those values that point the way toward ultimate meaning for modern man's search for liberty and security.

A major comprises 30 hours including History 103, 104 and 203, 204.

Admission: During the second semester of the sophomore year, a student intending to major in history leading to the Bachelor of Arts degree should fill out an application which is available in the department office. If accepted, the student will be assigned to a member of the history faculty who will serve as his adviser.

English Proficiency: Prior to the Thanksgiving recess of the junior year, a history major must attain a satisfactory score on an examination in English proficiency. Arrangements for taking the examination should be made in the office of the Director of Testing.

Senior Seminar: In either the first or second semester of the senior year, a history major must enroll in one seminar (either American or European).

Examination: Before the end of March of the senior year, each graduating history major must take an examination, usually oral, covering the work in the field of history. Arrangements will be made by the department chairman.

Candidates for the Bachelor of Arts in Education degree who are planning to teach in the secondary schools in the field of history must meet the requirements of the College of Arts and Sciences, except in foreign languages, and of the Department of History. Foreign language study is, however, strongly recommended. Specific requirements for this degree are given on page 66 under ACADEMIC PREPARATION.

Graduate students desiring to pursue the Master of Arts programs with major studies in the field of history should consult THE GRADUATE BULLETIN, Division of Graduate Studies.

103, 104 History of Civilization 3, 3

An introduction to history emphasizing the understanding and analysis of historical materials and ideas. The historic foundations and institutions of civilization—Mesopotamia; Egypt; the Hebrews; Greece; Rome, the rise of Christianity; Europe to the present. Lectures and discussions.

203, 204 American History 3, 3

The origin and development of the American nation from colonial times to the present. Emphasis upon the factors that have influenced and contributed to American institutions.

210 The Pacific Northwest 3

The discoveries, explorations, and settlement of the Pacific Northwest. The international rivalries; the missionary, economic, and political background; the establishment of state and local governments.

241, 242 History of the Ancient World 3, 3

A study of the ancient Mediterranean world. The history of Greece, Alexander the Great; the origins and rise of the Roman Empire and civilization. The decline. May be taken for upper division credit with consent of instructor.

301 Medieval History 3

A study of the history of Europe from the disintegration of the Roman Empire to 1300. Extensive reading and research in selected medieval materials. Prerequisite: History 103, 104.

311 The Renaissance 3

A systematic study of Europe in an age of transition (1300 to 1500). Readings and research in selected topics. Prerequisite: History 103, 104.

312 The Reformation 3

An intensive study of the sixteenth century. Political and religious crisis: Lutheranism, Zwinglianism, Anglicanism, Anabaptism, Calvinism. Roman Catholic reform. The Weber thesis, the beginning of Baroque art. Readings and research in selected sixteenth century materials. Prerequisite: History 103, 104.

333 European History from 1648 to 1789 3

An advanced study of men and movements during the early development of the modern, scientific age. The enlightenment, the Old Regime. Readings and research. Prerequisite: History 103, 104.

334 The French Revolution and Napoleon 3

An advanced course of lectures, reading and research in the revolutionary events in Europe from 1789 to the Congress of Vienna. Prerequisite: History 103, 104. a/y 1968-69

337 Nineteenth Century Europe 3

A study of the development and expansion of European civilization from 1815 to 1914. Lectures, discussions, readings, research. Prerequisite: History 103, 104. a/y 1969-70

338 *Twentieth Century Europe 3*

A course of readings and discussions concerning the events and trends since 1914. Prerequisite: History 103, 104. a/y 1969-70

351 *American Colonial History 3*

A study of the colonial period to the American Revolution. The colonial settlements, governments, and the economic, political, religious, and cultural progress to the independence period. Prerequisite: History 203, 204. a/y 1968-69

360 *Civil War and Reconstruction 3*

A course of readings and research in the political, social, economic and diplomatic trends in America from 1850 to 1877. Emphasis upon the impact upon the country of the Civil War and the reconstruction. Prerequisite: History 203, 204. a/y 1968-69

363 *The U.S. from 1877 to 1914 3*

An intensive study of the development of the United States during the period of rapid industrialization. Attention given to economic, social, political and intellectual problems and activities. Prerequisite: History 203, 204. a/y 1969-70

372 *Recent American History 3*

A study of the political, social, economic and cultural structure and institutions of the United States since 1914. Emphasis upon involvement in world affairs. Readings and research. Prerequisite: History 203, 204. a/y 1969-70

375 *History of American Thought and Culture 3*

A study of the evolution of American political, economic, religious and philosophical ideas, the development of American culture and its agencies. Prerequisite: Consent of instructor.

401, 402 *England 3, 3*

A study of the political, social, economic, legal, and cultural developments in the British Isles. Prerequisite: History 103, 104. a/y 1969-70

410 *English Constitutional History 3*

The evolution of the English concept of the crown, parliamentary government, the structure and functions of England's central and local governmental institutions, the common law from Anglo-Saxon times. Prerequisite: Consent of instructor. a/y 1968-69

421 *History of Ideas: European Civilization 3*

An advanced study of the leading ideas developed in western civilization since the disintegration of Rome. Prerequisite: Consent of instructor. a/y 1969-70

441 *History of Russia 3*

A study of various problems in the development of Russia. Emphasis upon the collapse of Czarism, the rise of Communism, and present world relations. Prerequisite: History 103, 104. a/y 1968-69

444 *History of the Far East 3*

General geographical and historical study of Far Eastern life and thought. Readings and research. Principal emphasis upon Japan, China, India. The West in Asia: the rise of nationalism, religious, artistic, intellectual, social institutions. Prerequisite: Consent of instructor. a/y 1968-69

451, 452 *American Constitutional History 3, 3*

The development of the constitution from colonial times. Stress is laid upon the problems of imperial organization, federal supremacy, political, social, and economic changes. Prerequisite: History 203, 204, and consent of instructor. a/y 1969-70

456 *History of American Diplomacy 3*

The basic factors and policies in the foreign relations of the United States: isolation, neutrality, Monroe Doctrine, the United States as a world power. Prerequisite: History 203, 204 and consent of instructor. a/y 1969-70

462 *History of the American Frontier 3*

A study of the westward movement with emphasis upon the Turner thesis and its critics. Prerequisite: Consent of instructor.

491, 492 *Independent Reading and Research 1-2***495, 496 *Seminar in European History 3, 3*****497, 498 *Seminar in American History 3, 3*****501 *Historiography and Bibliography 3*****597, 598 *Graduate Research 1-3***

JOURNALISM

Mr. Eyres

203 Journalism 2

A study of the techniques of reporting as they apply to news and feature writing; emphasis upon the daily press and its relation to the reader.

204 Journalism 2

Editing of local and wire copy with emphasis upon elimination of libel and improvement of writing skills; headline writing; handling of photographs; makeup.

208 Editorial Conference 1-4

Provides opportunity for the publication staff to do practical research work on journalistic problems. Open to advanced students in journalism with consent of the instructor. I II

MATHEMATICS

Mr. Egan, Mr. Butler, Mr. Herzog, Mr. Lueder, Mr. Maier, Mr. Peterson

Mathematics has permeated into almost every aspect of our modern society. This is reflected not only through the recent scientific and technological information explosion; but also through its ever increasing use in such areas as business, economics, government and the social sciences. The Mathematics Department is therefore committed and its curriculum is designed to (1) offer all students an opportunity to study mathematics, (2) provide the mathematics for those students who need it as a tool in business or the natural or social sciences, (3) instruct the prospective teacher in those subjects which he will need to master in order to be able to teach mathematics adequately himself, (4) prepare the student for a career in mathematics, and (5) provide the student with the background necessary for graduate study in mathematics.

During the sophomore year, a student intending to earn a Bachelor of Arts or a Bachelor of Science degree with a major in mathematics should complete an application form which is available from the departmental secretary. If accepted by the department, the student will be assigned to a member of the mathematics faculty who will serve as his adviser.

Requirements for the Bachelor of Arts degree with a major in mathematics shall consist of a minimum of 26 credit hours in mathematics courses



numbered above 150 including Mathematics 252, one course numbered above 400, and at least 12 credit hours of upper division courses. Physics 109, 110 is strongly recommended. Physics 465, 466 may be substituted for four hours of upper division mathematics.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in mathematics should refer to page 66 under ACADEMIC PREPARATION.

Requirements for the Bachelor of Science degree in mathematics shall consist of a minimum of 37 credit hours of mathematics including Mathematics 252 and at least 24 credit hours of upper division mathematics. Physics 109, 110 is also required. Physics 465, 466 may be substituted for four hours of upper division mathematics.

Students expecting to take Mathematics 101 or 112 for credit must have the approval of the department.

Graduate students desiring to pursue a course of study leading to a Master of Natural Science degree with a major in mathematics should consult THE GRADUATE BULLETIN, Division of Graduate Studies.

A Typical Curriculum in Mathematics

<i>Freshman Year</i>		<i>Hrs.</i>	<i>Sophomore Year</i>		<i>Hrs.</i>
English 101, Composition	3		² Foreign Language	8	
¹ Mathematics 151, 152, Analytic Geometry and Calculus	8		Mathematics 231, 252	6	
†Religion requirement	3		†Religion requirement	3	
PE activity	2		PE activity	2	
Physics 109, 110	8		Social Science electives	6	
Chemistry-Physics	8		Electives	6-9	
Electives (Social Science or Fine Arts)	3-9				
		30-33			31-34
<i>Junior Year</i>		<i>Hrs.</i>	<i>Senior Year</i>		<i>Hrs.</i>
Foreign language	6		Mathematics	12	
Literature elective	3		†Religion requirement	3	
Mathematics	12		Electives	16-18	
Philosophy requirement	3				
Electives	8-9				
		32-33			31-33

¹Students not qualifying for Mathematics 151 upon entrance should register for Mathematics 112 and/or 131, and then take both Mathematics 152 and 231 in the first semester of the sophomore year.

²Students who enter the University with two years of a modern language should elect to take second year courses in the same language during the freshman year. A student may take the first year of a foreign language during his freshman year if he desires.

†See page 41 for requirements in religion.

101 Intermediate Algebra 3

A thorough review of first year high school algebra and continuation beyond quadratics. Prerequisite: One year of high school algebra. Not acceptable for a major. I II

112 Plane Trigonometry 2

Radian measure, solution of acute and oblique triangles, inverse functions, graphing, identities. May be taken concurrently with Mathematics 151. Prerequisite: Mathematics 101 or equivalent. I II

121 Introduction to the Appreciation of Mathematics 3

A course designed for non-science majors. Emphasis is given to structure of mathematics. Students will have the opportunity to make discoveries, formulate conjectures, and prove elementary theorems. Prerequisite: High school algebra and geometry or consent of instructor. I II

131 College Algebra 3

A continuation of Mathematics 101: sets, progressions, binomial theorem, complex numbers, theory of equations, determinants, and partial fractions. Prerequisite: Mathematics 101 or equivalent. I II

151 Analytic Geometry and Calculus 4

An introduction to analytic geometry and conics, functions, limits, derivatives, with applications, and a review of trigonometry. Prerequisite: Two years of high school algebra, trigonometry, or Mathematics 131 and 112, or the equivalent. I II

152 Analytic Geometry and Calculus 4

Integration, applications and techniques of integration, transcendental functions, polar coordinates, improper integrals, L'Hospital's Rule, elementary differential equations. Prerequisite: Mathematics 151. I II

199 Directed Reading 1-2

Supervised study of topics selected to meet the individual's needs or interests. Intended primarily for students awarded advanced placement. Admission only by department invitation.

231 Linear Algebra and the Real Numbers 3

An introduction to linear algebra, vectors, matrices, and determinants; differential equations, solid analytic geometry. Prerequisites: Mathematics 152 or consent of chairman of the department. I II

252 Analytic Geometry and Calculus 3

Multi-variable and vector calculus, partial differentiation and differential equations, line integrals, Green's theorem, infinite series. Prerequisite: Mathematics 231. I II

319 Modern Elementary Mathematics 3

An introduction to the mathematical concepts underlying the traditional computational techniques, and offering a systematic analysis of arithmetic and an intuitive approach to algebra and geometry. Intended primarily for elementary school teachers. Not acceptable for a major. Prerequisite: Consent of instructor. I II S

321 Geometry 3

A survey of the foundations of geometry and of basic theory in the areas of Euclidean, projective, and non-Euclidean geometry. Prerequisite: Mathematics 231 or consent of instructor. I a/y 1968-69

333 Linear Algebra 3

Modules, vector spaces, matrices, canonical forms of matrices, quadratic forms. Prerequisite: Mathematics 231 or consent of the chairman of the department. I II

341 Mathematical Statistics 3

Elementary probability theory, discrete and continuous distribution functions, introduction to sampling theory and hypothesis testing. Prerequisite Mathematics 152. II a/y 1968-69

351 Applied Mathematics 3

Topics include ordinary differential equations (including series solutions), the Laplace transform, partial differential equations, orthogonal functions. Prerequisite: Mathematics 252. I II

433, 434 Modern Algebra 3, 3

Topics include groups, rings, modules, fields, field extensions. Prerequisite: Mathematics 231. I, II a/y 1969-70

440e Mathematics in the Secondary School 2

Emphasis on the basic concepts of mathematics, including the principles of number, operation, relation and proof, and present methods and materials in teaching secondary school mathematics. Prerequisite: Mathematics 231 or equivalent and consent of instructor. I II

455, 456 Advanced Calculus 3, 3

A rigorous and extended treatment of topics introduced in elementary calculus. Prerequisite: Mathematics 252. I, II a/y 1968-69

460 Elementary Topology 3

An introduction to point-set topology. Prerequisite: Consent of instructor. a/y 1969-70

495, 496 Seminar 1-3

Open to advanced students with consent of the chairman of the department.

497, 498 Independent Study 1-3

Open to advanced students with consent of the chairman of the department.

503, 504 Graduate Research 2-4

Open to Master's degree candidates only. Prerequisite: Consent of the chairman of the department. I, II

MUSIC

Mr. Skones, Mr. Fritts, Mr. Gilbertson, Mr. Knapp, Mr. Kracht, Mr. Newham, Mrs. Strickland, Mr. Urness; assisted by Mrs. Anderson, Mrs. Cohon, Mr. Crockett, Mrs. Evans, Mrs. Garretson, Mrs. Knapp, Mrs. Murra, Mr. Meddaugh, Mr. Schweppe, Mrs. Thompson, Mrs. Tremaine.

The requirements for the Bachelor of Music degree are outlined under the School of Fine and Applied Arts in the section, Academic Organization.

Requirements for a major in music for the Bachelor of Arts degree shall consist of Music 50, 111, 112, 211, 212, 221, 222, 333, plus eight hours of private instruction in applied music of which two must be in piano. Four hours of electives in music literature and four hours of ensemble credit must be earned during the junior and senior year.

All music majors are required to register for Music 50, Student Recital, each semester in attendance.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in music should refer to page 67 under ACADEMIC PREPARATION. More complete details concerning all music curricula may be found in the Department of Music Handbook.

50 Student Recital 0

Weekly student recitals. Registration and attendance required of all music majors regardless of curriculum. Music majors expected to perform in recitals once each semester. I, II

101 Fundamentals 3

A study of the rudiments of music, including rhythms, sight reading elementary keyboard experience and creative music. I, II

**111, 112 Theory 4, 4**

Review of fundamentals of music. Four part writing, using triads in root position, first and second inversions, dominant seventh chords and inversions, non-dominant seventh chords, diminished seventh chords, secondary dominants, altered chords, and modulation. Intensive study in keyboard harmony, ear training and sight singing. An introduction to two voice counterpoint. I, II

120 Music Survey 3

An introduction to the music literature of Western Civilization through the study of the form and meaning of musical masterpieces. A course designed to enhance the enjoyment of music. Not open to music majors. I II

132 University Chorale 1

Tryouts are held at the beginning of each fall semester. Singing of both sacred and secular music, with and without accompaniment. I II

134 Choir of the West 1

Tryouts are held at the beginning of each fall semester. Members may be required to take private voice lessons at the request of the director. I II

135 Madrigal Singers and Vocal Ensemble 1

Membership determined by tryouts. Singing of both sacred and secular music. I II

136 University Orchestra 1

Membership determined by tryouts. I II

137 Chamber Ensemble 1

Prerequisite: Consent of instructor. I II

138 University Band 1

Membership determined by tryouts. I II

141, 142 Strings 1, 1

Instrumental laboratory. Two hours per week. I, II a/y 1969-70

150 Private Lessons—Piano 1-2

I II S

152 Private Lessons—Organ 1-2

The technique of organ playing and style through preparatory exercises and works of classic and contemporary composers. Prerequisite: Satisfactory piano technique. I II S

154 Private Lessons—Voice 1-2

Voice production, placement, breath control, diction, interpretation, repertoire. Simple oratorio and operatic aria and art songs. I II

156 Private Lessons—Violin, Viola 1-2

I II

157 Private Lessons—Cello, Bass 1-2

I II

158 Private Lessons—Woodwinds 1-2

I II

159 Private Lessons—Brass 1-2

I II

211, 212 Theory 4, 4

A continuation of Music 111, 112 through expanded use of altered chords, modulation. Emphasis upon figured harmony at the keyboard, improvisation, ear training, and sight-singing. Study of materials of music through form and analysis. Continuation of two voice counterpoint. Prerequisite: Music 111, 112. I. II

221, 222 History of Music 3, 3

A study of the development of music from ancient civilizations to modern times. Prerequisite: Music 112, or consent of instructor. I, II

243 Woodwinds I

Instrumental laboratory. Two hours per week. I a/y 1968-69

244 Brass and Percussion I

Instrumental laboratory. Two hours per week. II a/y 1968-69

313 Counterpoint 3

Two, three and four part writing in modal and tonal counterpoint. Literature of the sixteenth and eighteenth centuries used for study and models. Prerequisite: Music 212. I

324 Music of the Renaissance and Baroque Periods 2

The study of the historical background and comparison of selected compositions of the periods. Prerequisite: Music 222, or consent of instructor. I a/y 1969-70

325 Music of the Classical Period 2

The study of the historical background and comparison of selected compositions of the period. Prerequisite: Music 222, or consent of instructor. II a/y 1969-70



326 Sacred Music Literature 3

An analysis of the principles underlying effective worship music and a chronological survey of outstanding anthem, cantata and oratorio literature. II a/y 1969-70

327 Hymnology 3

An historical study of Christian hymnody with an analysis of its poetry and music. II a/y 1968-69

333 Basic Conducting 2

A basic course in the technique of reading and conducting scores; practice in conducting, both instrumental and vocal. I II

340 Music in the Elementary School 2

Techniques and procedures for the music program of the first six grades. The rote song, child voice, rhythm activities, Kodaly method, and the like. Prerequisite: Music 101 or equivalent background music. I II

350 Private Lessons—Piano 1-3

I II S

352 Private Lessons—Organ 1-3

I II S

354 Private Lessons—Voice 1-3

I II S

356 Private Lessons—Violin, Viola 1-3

I II

357 Private Lessons—Cello, Bass 1-3

I II

358 Private Lessons—Woodwinds 1-3

I II

359 Private Lessons—Brass 1-3

I II

363 Languages for Singing 3

An introduction to the phonetics of the languages used in the vocal art of the western world. Primarily concerned with Italian, German, French, and Liturgical Latin. I

411 Form 3

A study of small and large forms in music literature. Harmonic Analysis. Prerequisite: Music 212. II



415, 416 *Orchestration 2, 2*

A study of the ranges and characteristics of all the instruments of the band and orchestra. Arrangements for combinations, band and orchestra. Prerequisite: Music 212. I, II a/y 1968-69

420 *Music of the Romantic Period 2*

The study of the historical background and comparison of selected compositions of the period. Prerequisite: Music 222, or consent of instructor. I a/y 1968-69

424 *Contemporary Music 2*

The study of the historical background and comparison of selected compositions of the period. Prerequisite: Music 222, or consent of instructor. II a/y 1968-69

425 *Major Conference 1-3*

I II S

426 *Worship and Liturgy 3*

The nature and scope of Christian worship. The history of the main liturgies beginning with temple and synagogue, Eastern Orthodox, Roman Catholic, Lutheran, Calvinist and Anglican. Special reference to the Lutheran Liturgy. I a/y 1969-70

435 *Opera Workshop 1-3*

Stage production operas. Prerequisite: Consent of instructor. I II

442 *Methods of Teaching Piano 2*

Lectures, discussions, prescribed reading in methods of teaching piano. Required of piano majors. Open to others with sufficient preparation. Recommended for senior year. S

443 *Choral Conducting, Techniques and Materials 4*

A study and analysis of the choral literature with emphasis upon its teaching and conducting problems. Prerequisite: Music 333. I

444 *Instrumental Conducting, Techniques and Materials 4*

A study and analysis of instrumental literature with emphasis upon its teaching and conducting problems. Prerequisite: Music 333. I a/y 1968-69

491 *Composition 1-3*

A student may register for this course for four semesters and earn a total of 12 semester hours. Prerequisite: Music 212 or consent of instructor. On demand.

520 *Graduate Seminar 1-3*

On demand.

NURSING

*Miss Stucke, Miss Cather, Mrs. Chase, Miss Elam, Miss Fletcher,
Mrs. Olson, Miss Peterson, Miss Rimer, Miss Tollejson, Mrs. White;
assisted by Mrs. Hemmen*

The requirements for the Bachelor of Science in Nursing degree are outlined under the School of Nursing in the section, **ACADEMIC ORGANIZATION**. The prerequisites for entering any clinical professional nursing course include: Biology 161, 162, 201; Chemistry 103; Psychology 101; and Sociology 101, in addition to the prerequisite specified for individual courses.

235, 236 Medical-Surgical Nursing 10, 10

A patient-centered study of various types of nursing problems common to adult patients who require medical care or surgical intervention. Students work toward gaining a basic knowledge of some of the common disease entities and the problems they present. The students will be given opportunity to analyze these problems, develop an ability to make decisions about the nursing care to be provided and gain some experience in administering the nursing care involved. Three clinical laboratory periods and seven hours of class per week first semester; four clinical laboratory periods and six hours class per week second semester, taught in four units of five hours each. Prerequisites: See above. I, II

335 Maternal-Child Nursing 10

A study of the essential knowledge and understanding which will enable the student to give intelligent care to families during the child-bearing and child-rearing processes. The aspects of health promotion and care of the sick are included. Experience includes observation and care of mothers and children in hospital wards, clinics and related community agencies. Five clinical laboratory periods and five hours of class per week. Prerequisites: Nursing 235, 236. Prerequisites or concurrent, Sociology 431 and Psychology 301. I, II

337 Psychiatric Nursing 8

A study of major concepts of mental health and psychiatric nursing as they relate to the nurse in the total therapeutic milieu of psychiatric patients. Guidance is given in understanding personal needs and behavior patterns of adjustment. Five clinical laboratory periods and three hours of class per week. Prerequisites: Nursing 235, 236. I, II

402 Trends in Nursing 3

A study of the historical background of nursing through twentieth century nursing in America, employment opportunities, issues, prob-

lems and responsibilities in professional nursing. Special attention is given to legislation, nursing organizations, research, roles and problems of the professional nurse, and continued education and professional growth. Prerequisite: Senior standing and Psychology 240. I II

445 *Fundamentals of Community Health 2*

A study of the community for the purpose of identifying development, trends, organization and administration of health services. Includes approaches used to promote health and prevent disease, and methods utilized to identify, analyze and cope with community health needs. Open to non-majors who have had Biology 201 or equivalent. I

446 *Community Nursing 4*

Guided experiences in giving nursing care in the home and community with emphasis on the role of the nurse in working with patients and families, and the utilization of health and welfare resources. Prerequisite: Senior standing and Nursing 445. I II

470 *Emergency and Disaster Nursing 3*

A study of the role of the professional nurse in natural or enemy-caused emergency or disaster situations, including basic principles of austere emergency medical care. Three hours of class per week with selected laboratory experiences. Prerequisite: Senior standing. II

475 *Senior Nursing 10*

A course designed to provide learning experience in: (1) The study of selected problems of medical or surgical patients including planning, providing and evaluating nursing care for a group of patients; (2) Team nursing with emphasis on identifying leadership principles of nursing, utilization of other nursing personnel and the interdisciplinary health team, and the basic principles and concepts of nursing management. Five clinical laboratory periods and five hours of class per week. Prerequisites: Senior standing and Nursing 335, 337. I II

497, 498 *Independent Study 1-3*

Prerequisite: Permission of the Director.



PHILOSOPHY

Mr. Arbaugh, Mr. Huber, Mr. McKay

Philosophy is the oldest of all academic disciplines, and the parent subject from which today's variety of arts and sciences has emerged. Characteristic topics of concern are the extent and limits of knowledge; moral, esthetic, and religious values; man's nature and place in the universe; and the ultimate nature of reality. More generally philosophy seeks a critical and systematic analysis of basic issues in all fields, and an objective and unified view of the totality of experience. A study of the field is intended to acquaint the student with major rival world views and value systems, past and present, to encourage in him the habit of analytic and systematic thought, and to help him "to see life critically, appreciatively, and whole."

Courses in the department are designed to meet the needs of a variety of students: (1) those who desire some knowledge of philosophy as a basic element in a liberal education; (2) those who wish to pursue some special interest in, for example, ethics, science, religion, the history of thought, or the ideas of particular men or peoples; (3) those who wish to develop an understanding of philosophy to support their work in other fields, e.g., literature, history, or the sciences; (4) those who plan to use a major in philosophy as a preparation for graduate study in another field, e.g., theology or law, and (5) those who plan to do graduate work in philosophy itself, usually with the intention of teaching in the field.

A major in philosophy consists of a minimum of 24 credit hours including Philosophy 233, and any three of the following: 331, 332, 333, 334, 335.

The University requirement of three semester hours in philosophy may be satisfied by any course offered by the department except Philosophy 233. Initial courses in the subject for lower division students are customarily Philosophy 201 or 221, and for upper division students 300 or 321. However, these are not prerequisites for other courses, and students with special interests or preparation are encouraged to consider other courses, and if desired to counsel with members of the department.

201 Introduction to Philosophy 3

An introduction to a variety of perennial philosophical issues, intellectual systems and thinkers. Such topics as the nature of knowledge, the function of science, esthetic values, the good life, religion and knowledge of God, and human nature and its social implications are discussed. The course is designed to introduce to the student the habit of critical and systematic philosophical thinking about all issues. III

221 *Introduction to Moral Philosophy 3*

A general study of the classical moral systems of western civilization. Intensive examination of some contemporary moral theories and the principles of Christian ethics. I II

233 *Logic 3*

An examination of the principles of argument and proof, including the fundamentals of deductive, inductive, and symbolic logic. Study of the nature and functions of language, of problems in semantics, and of the philosophy of logic. I

300 *Principles of Philosophy 3*

A more advanced introductory course in philosophy, similar to Philosophy 201, but designed to meet the needs of juniors and seniors. Not open to students who have taken Philosophy 201. I II

321 *Systems of Moral Philosophy 3*

A more advanced introductory course in moral philosophy, similar to Philosophy 221, but offered at the senior college level. Not open to students who have taken Philosophy 221.

324 *Social Ethics 3*

A systematic study of the application of ethical principles to a variety of social policies and relationships. A brief introduction is provided to representative ethical systems, views of human nature, and the good life. Most of the course is devoted to a study and discussion of the pervasive and serious ethical problems facing men in their contemporary social structures. Typical topics for examination include the ethical aspects and problems of modern economic, political, religious, academic, and professional institutions, group and intergroup relations, and the purposes, values, and problems of family and social life in general.

331 *Ancient Greek Philosophy 3*

A study of the nature and development of philosophic thought and method from the Presocratic period to the end of the third century A.D. Special emphasis is given to the philosophies of Plato and Aristotle and to the influence of Epicureanism, Stoicism and Neoplatonism on the early Christian era. I a/y 1968-69

332 *Medieval Christian Philosophy 3*

A survey of the development of Christian philosophy from Augustine to Ockham. Scrutiny of the sources and nature of the Thomistic synthesis, and the reaction to it in the work of Duns Scotus and William Ockham. I a/y 1969-70

333 *Modern Philosophy 3*

The nature and development of philosophic thought and method from the seventeenth to the nineteenth centuries. Particular emphasis is placed on the developments within continental rationalism and British empiricism. I

334 *Nineteenth Century Philosophy 3*

A study of prominent thinkers of the nineteenth century, for example, Hegel, Schopenhauer, Nietzsche, Marx, Kierkegaard, Mill, and James. Time is spent in reading and discussion of selected classic works of the period.

335 *Contemporary Philosophy 3*

A systematic examination of the major philosophical issues and methods in the twentieth century. Topics treated may include empiricism, instrumentalism, process philosophy, existentialism, and analysis, as developed by Ayer, Russell, Dewey, Whitehead, Sartre, and Wittgenstein. II

361 *Oriental Thought 3*

An introduction to the major philosophic systems of India, China, and Japan. Some attention is also paid to the closely related literature, religion and general culture of the Orient.

411 *Philosophy of Religion 3*

An examination and evaluation of classical and contemporary views of traditional problems in religion: the existence of God, religious experience, revelation, immortality and others. An acquaintance with the principal claims and the world view of the Christian religion is assumed. I II

414 *Kierkegaard and Existentialism 3*

An intensive study of the thought, writings, and life of one of the modern world's most influential theologians and philosophers. Some discussion of later developments in philosophical existentialism. I

422 *Theory of Value 3*

An investigation of the nature of human values with special attention given to contemporary discussions concerning the subjective or objective, absolute or relative character of such values as the good and the right, the beautiful, and the holy. The origin of values, their place in a world of fact, man's knowledge of them, and the character and use of the language of evaluation are topics for consideration.

424 *Philosophy of Science and Theory of Knowledge 3*

A major portion of the course is devoted to a careful examination of the general character, fundamental concepts, methods, and sig-

nificance of modern science. Some attention is devoted to specific areas of science—physical, biological, social, to the implications of science for ethical, esthetic, and religious values, and to a more general discussion of the nature and limits of human knowledge. II a/y 1969-70

427 *Books, Ideas, and Men: A Cooperative Seminar in Philosophy 3*

A reading and discussion course conducted jointly by members of the department. Designed to provide the student with the opportunity to read important selected works in philosophy, to hear and reflect on different interpretations of the ideas involved, and to actively participate in analysis and argument. Works studied may be on any of a number of announced topics—ethics, esthetics, religion, knowledge, science, history of ideas, etc. II

491, 492 *Independent Reading and Research 1-3*

Permission of department required. I, II

PHYSICS

Mr. Nornes, Mr. Adams, Mr. Jordahl, Mr. Tang

Physics deals with the fundamental principles which explain natural phenomena. Therefore a study of physics is basic to all advanced work in natural science. Pre-engineering and pre-medical students, as well as chemistry and mathematics majors, are required to have at least a year of college physics.

A major in physics fulfilling the requirements for the Bachelor of Arts degree shall consist of a minimum of 20 hours of physics (following Chem-Physics 109, 110) including 251, 256, 272, 331, 332 or 316, plus six hours of laboratory and supported by Chemistry 311.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in physics should refer to page 68 under **ACADEMIC PREPARATION**.

The physics requirement for pre-medical and pre-dental students can be fulfilled by 4 hours of physics in addition to Chem-Physics 109, 110. Either Physics 251 or 201, and Physics 221, or Physics 201 and Physics 272 will satisfy this requirement.

A Bachelor of Science degree in physics requires a minimum of 31 semester hours in physics (following Chem-Physics 109, 110) including courses, 251, 256, 272, 331, 332, 431, 432, 465, 466, and seven hours of laboratory and/or research; plus Physical Chemistry 311 and at least 6 hours of mathematics beyond 252. German, Russian or French are recommended for the language requirement.



The laboratory program provides flexibility for maintaining full credit load and encourages the independence required for profitable participation in the research program. Physics majors begin a sequence of experiments in the sophomore year and are required to complete a certain minimum number by the end of each academic year. A maximum of 2 credits can be earned in the sophomore year, 3 in the junior year, and 4 in the senior year. At any point in this sequence of experiments that a student shows the ability to profit from independent research he may be invited to participate in the research program. Students in this program are not required to fulfill the regular laboratory requirements, and will earn the same number of academic credits.

Curriculum in Physics for Bachelor of Science Degree

<i>Freshman Year</i>		<i>Hrs.</i>	<i>Sophomore Year</i>		<i>Hrs.</i>
English 101	3	Physics 251, 256	6		
Chem-Physics 109, 110	8	Physics 221, 222 (Lab)	2		
Math 151, 152	8	Physics 272 (Circuit Theory)	2		
Religion requirement	3	Language requirement	6		
Language requirement	8	Math 231, 252	6		
PE activity	2	Religion requirement	3		
		Fine Arts	3		
		PE activity	2		
	32				
	—				30
<i>Junior Year</i>		<i>Hrs.</i>	<i>Senior Year</i>		<i>Hrs.</i>
Physics 331, 332 (E&M)	6	Physics 431, 432 (Modern Phys.)	6		
Physics 321, 322 (lab)	2-3	Physics 465, 466	4		
Physical Chemistry 311	3	Physics 421, 422 (Lab)	2-4		
Math 351, 341	6	Religion requirement	3		
Social Science	6	Philosophy	3		
Electives*	9	Electives*	14		
	32-33				
	—				32-34

*These electives must include 3 hours of Literature and 6 additional hours of Social Science.

109, 110 Chemistry-Physics 4, 4

An integrated course in the fundamental principles of physics and chemistry and their application to physical and chemical problems. This course is a prerequisite for all chemistry and physics courses numbered 200 or above. Three lectures, one discussion period and one two-hour laboratory period per week. Prerequisite or corequisite: Mathematics 131 or equivalent. I, II

201 Fundamental Physics 3

A continuation of the study of fundamental concepts of physics introduced in Chem-Physics with special emphasis on the present day description of physical phenomena. Primarily for non-science majors; Physics 201 plus one hour of physics laboratory will satisfy the minimum requirements in physics for medical and dental students. Prerequisite: Physics 109, 110, I

221 Sophomore Laboratory 1

May be taken with Physics 201 or 251, I

222 Circuits and Instrumentation Laboratory 1

Requires concurrent registration in Physics 272, II

251 Intermediate Physics 3

Follow-up course to Chem-Physics for science majors stressing basic Newtonian mechanics, rotational motion, optics and thermo-dynamics. Prerequisites: Physics 109, 110; Math 151, concurrent registration in one hour of lab. (Physics 221) I

256 Mechanics 3

Intermediate level mechanics taught primarily as a preparation for advanced work in physics and chemistry. Extensive treatment of the harmonic oscillator, motion under central force, rigid body motion, moving coordinate systems, and propagation of waves. Prerequisite: Physics 251; Math 151, 152, II

272 Circuit Theory and Instrumentation 2

A study of AC, DC circuits and fundamental vacuum tube and transistorized instruments. Prerequisite: Physics 251 or 201, concurrent registration in Math 152, II

316 Optics 3

General principles of geometrical and physical optics and study of optical instruments. Laboratory experiments in optics will be included in Physics 322. Prerequisite: Physics 251, II

321, 322 Junior Laboratory 1-2

Prerequisite: Physics 222, I, II

331, 332 Electromagnetic Theory 3, 3

Electrostatics, Magnetostatics, boundary value problems in electrostatics, time varying fields, plane electromagnetic waves, simple radiating systems and diffraction. Prerequisite: Physics 256, Math 252, I, II

371, 372 Research 1-2

382 Radioisotope Technology 3

The course will deal with the characteristics of nuclear radiations, detection and measurement methods and equipment, theory of nuclear disintegrations, and application to problems in physics and chemistry. Two lectures and one three-hour laboratory period per week. Prerequisite: Physics 25I. II

421, 422 Senior Laboratory 1-2

I, II

431, 432 Modern Physics 3, 3

An analytical course introducing the concepts of special relativity and elementary quantum mechanics with applications to atomic and nuclear physics. Topics include: Origin of quantum theory, particles and waves, one electron atoms, exclusion principle, multi-electron atoms, spectroscopy, X-Rays, scattering nuclear physics and solid state. Prerequisite: Physics 331, 332; Math 35I or consent of instructor. I, II

465, 466 Mathematical Physics 2, 2

Function space, transformation theory, matrices, tensors, dyadics, curvilinear coordinates, Lagrange and Hamiltonian formulation of mechanics, statistical mechanics, theory of fields. Prerequisite: Physics 256, 332; Math 35I, Math 333 and/or 341; or consent of instructor. I, II

471, 472 Research 2-3

I, II

487, 488 Seminar 1-2

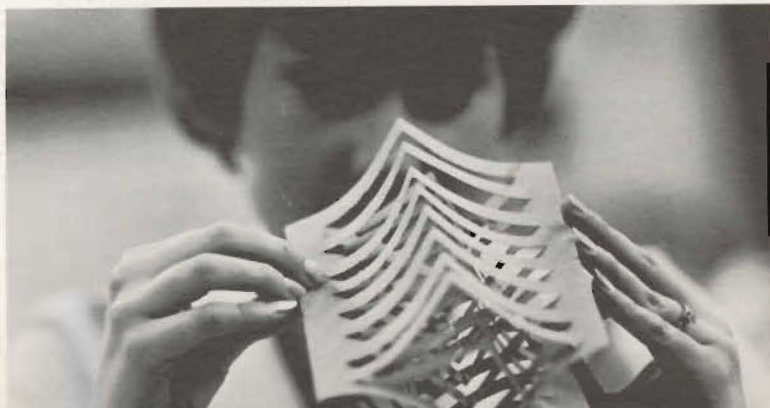
I, II

497, 498 Independent Study 1-2

I, II

571, 572 Graduate Research 2-4

Open to Master's degree candidates only. Prerequisite: consent of the chairman of the department.





POLITICAL SCIENCE

*Mr. Farmer, Mr. Culver, Mr. Ulbricht; assisted by Mr. Clabaugh,
Mr. McLeod and Mr. Moon*

The study of political science trains the student for the exercise of his rights and duties as a citizen by giving him a better understanding of our democratic political processes and of conflicting political systems.

A major in political science shall consist of a minimum of 27 credit hours including Political Science 101 (or 301) and 251, 315, and 316.

Students majoring in political science must have their registration approved by the chairman of the department each semester.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in political science should refer to page 68 under **ACADEMIC PREPARATION**.

Students wishing to prepare themselves specifically for career possibilities in state and local government may enroll in the *Urban Affairs Program*. For certification, successful completion of the following courses is required: Political Science 101 (or 301), 251, 252, 315, 316, 354 or 356, 434, 457 and 458; Economics 101 and 362; and Sociology 101 and 202.

Political Science 101 (or 301) is the prerequisite for all other courses in the department.

101 Introduction to Political Science 3

This course deals with the scope and method and the vocabulary of political science, political behavior, and governmental organization. It is also designed to introduce the student to problems of political theory and to familiarize him with the comparative method of studying political institutions.

251 American National Government 3

A study of the American national government including the federal constitution and the distribution of governmental powers. Survey of structure and procedure of national government with special attention to practical operation and contemporary reforms. I II

252 American State Government 3

A comparative study of state government in the United States with special attention to the Pacific Northwest area. II

282 Comparative Government 3

Comparison of contemporary governments as to political philosophy, constitutional basis, governmental structure and procedure, and party system. I

301 Principles of Political Science 3

An introductory course in political science designed to meet the

needs of juniors and seniors. Not open to freshmen, sophomores or to anyone who has received credit for Political Science 101. I II

315 *History of Political Thought 3*

This course traces the development of thought concerning the nature and role of the state from ancient to modern times. I

316 *Recent Political Thought 3*

A critical examination of the major political philosophies of the modern world: Democracy, conservatism, capitalism, socialism, anarcho-syndicalism, communism, racial and political elitism, nationalism, liberalism, Christianity. Contemporary problems. II

331 *International Relations 3*

This introductory course deals with the scope and methods, concepts, and the vocabulary of international relations. Survey of the foreign policy of the major world powers and contemporary international problems. I

332 *International Organization 3*

A study of the World Court, League of Nations, United Nations and its agencies, and other international organizations which attempt to deal effectively with the problems of the world community. Prerequisite: Political Science 331. II a/y 1968-69

334 *International Law 3*

The nature, historical development, and principles of international law. Prerequisite: Political Science 331. II a/y 1969-70

354 *American Local Government 3*

A comparative study of local government, urban and rural, in the United States with special attention to the Pacific Northwest area. Prerequisite: Political Science 251 or 252. II a/y 1968-69

356 *Problems in Local Government 3*

A detailed study of the problems created by urbanization and regional growth and the attempts of government to solve them. Prerequisite: Political Science 251 or 252. a/y 1969-70

361 *American Political Parties 3*

Party history and organizations; nominations and elections; campaigns and conventions; electoral problems and administration; bossism in local politics; pressure groups; platforms. I a/y 1968-69

364 *The Legislative Process 3*

A study of the theory, organization, and procedure of legislative bodies in the United States with special attention to the contem-

porary Congress and Washington state legislature. Prerequisite: Political Science 251 or 361. II a/y 1968-69

434 *Government and Business 3*

See Economics 434.

441 *Statistical Methods 3*

See Economics 441.

451, 452 *American Constitutional History 3, 3*

See History 451, 452.

454 *American Constitutional Law 3*

An examination of significant constitutional issues in the light of the contemporary interpretations of the Constitution of the United States: Church-state relations, civil rights, free speech, due process or law, reapportionment. II a/y 1968-69

457 *Principles of Public Administration 3*

The art and science of management applied to the affairs of state; nature of human behavior in organizations; administrative law and quasi-judicial practices: civil service; budget and fiscal control; centralization: coordination, integration in administrative areas. I

458 *Internship in Public Administration 3*

An internship with a department of local or state government planned and supervised jointly by the supervising government official and a faculty member of the Department of Political Science. Prerequisite: Consent of instructor. I II

483 *Political Systems of the British Commonwealth 3*

A comparative analysis of contemporary governmental and political institutions of the United Kingdom, Canada and others states of the British Commonwealth. I a/y 1969-70

484 *Soviet Political System 3*

An analysis of the political system of the Union of Soviet Socialist Republics with special attention to ideology, the role of the Communist Party, the nature of the constitution, administrative agencies, and nationality policy. II a/y 1969-70

497, 498 *Independent Reading and Research 1-3*

Prerequisite: Consent of chairman of department. I, II

597, 598 *Graduate Research 1-3*

Individual research project for an M.A. candidate with a minor in political science. Prerequisite: Consent of department. I, II



PSYCHOLOGY

Mr. Bexton, Mr. Adachi, Mr. Hauge, Mr. Holmberg, Mr. Minetti, Mr. Severson

Courses in this department aim at providing the student with an understanding of psychology as a scientific study of behavior and experience. The major provides a background preparation for a professional career in psychology or for a related vocation.

Professional careers in psychology include: college teaching, research, clinical psychology, employment in public school systems, business, industry and government agencies. These careers usually require at least the Master's degree; some require the Ph.D. degree. In preparation for this graduate work the student should take supporting courses in areas such as biology, mathematics, philosophy and sociology. Proficiency should also be acquired in a modern language such as French or German.

Related vocations in which a psychology major is useful are: social work, the ministry, parish work, medicine, business administration and teaching.

A major in psychology will include: Psychology 101; 240; 441; two of 340, 390, 410, 460; two of 301, 320, 420, 421; and 490 plus six additional hours in the department. Psychology 110, 221, 370, 472 cannot be used for credit toward the major.

All majors must have their programs approved each semester by the department.

The student majoring in psychology is advised to take Psychology 101 and 240 in the freshman year and 441 in the sophomore year. Other courses should be taken in sequence, i.e. 300 level courses before 400 level courses.

NOTE: Psychology 101 is a prerequisite for all other courses in psychology except 110 and 441.

101 General Psychology 3

A general course in psychology emphasizing the principles and basic facts which are essential to an understanding of human behavior. The main problems discussed are the physical basis for behavior, motivation, learning, remembering, thinking, emotion, intelligence, and personality.

110 Study Skills Techniques 2

A course designed to assist the student in developing more effective study techniques. Emphasis is given to improving reading rate and comprehension, developing better skills of concentration, planning effective usage of time, taking adequate notes, and preparation of written material. Class work is supplemented by individual counseling periods and/or special training in reading skills. I II

221 *The Psychology of Adjustment 3*

This course deals primarily with problems of personal adjustment and interpersonal relations. In this context emphasis is placed on motivation, emotion, adjustment patterns and defense mechanisms. I

240 *Elementary Analysis 3*

A study of the language of research including descriptive and inferential statistics and basic experimental design. I II

301 *Human Development 3*

See Education 301.

320 *Social Psychology 3*

A study of research findings concerning the interaction between groups and the individual. Attitudes, values, role behavior, and related topics will be examined in the light of interpersonal relations and group processes.

332 *Industrial Psychology 3*

A study of the application of psychological theory and research to industrial problems such as personnel selection, placement and training; interpersonal relations in industry and business, fatigue, motivation and problems of man-machine engineering. Prerequisite: Psychology 240 or 441 or equivalent.

340 *The Biology of Behavior 3*

The characteristics of the central nervous system, the receptors, the endocrine system and other parts of the organism as related to problems such as learning, perception, emotion, motivation and other patterns of behavior. Lecture and laboratory sessions. Prerequisite: Psychology 240. I

370 *Principles of Guidance 2*

See Education 370.

390 *The Experimental Psychology of Perception 3*

The nature of sensory and perceptual processes in the light of experimental research and theoretical models. The use of laboratory techniques for the study of perception. Lecture and laboratory sessions. Prerequisite: Psychology 240. II

401 *The Psychology of Infancy and Childhood 3*

An advanced study of the emotional, social, intellectual and physical development of the human organism from the pre-natal period to adolescence. Special attention will be given to problems of behavior and adjustment. Prerequisite: At least six hours of credit in psychology beyond 101.

**405 Adolescent Psychology 2**

An advanced course dealing with physical development, mental traits, social characteristics and interests of adolescents. Adjustments in home, school and community. Prerequisites: Psychology 301 or consent of the department. II

410 The Experimental Psychology of Emotion and Motivation 3

The general characteristics of emotion and motivation and their role in determining behavior. Lecture and laboratory sessions. Prerequisite: Psychology 240. II

420 Psychology of Personality 3

A survey of the approaches to the study of personality, current theories of the dynamics and the development of personality, research on the causes of individual differences in personality, personality change and techniques of measuring personality. Prerequisite: at least six hours credit in psychology beyond the 200 level. I

421 Behavior Disorders 3

A study of the etiology and treatment of behavior disorders. Prerequisite: Psychology 420. II

430 Group Processes and Group Leadership 2

A human interaction (sensitivity) laboratory designed to explore interpersonal operations in groups and to facilitate the development of self insight. Emphasis is given to the development of skill in diagnosing individual, group, and organizational behavior patterns and influences. I

441 Statistical Methods 3

The use and interpretation of elementary statistical techniques; graphic representation; measures of central tendency; simple correlation analysis, sampling theory and inferential statistics. I II

450 Psychological Testing 3

A survey of the field of standardized tests. Tests in the areas of intelligence, aptitude, interest, and personality are considered. The proper use, the limitations, and the interpretation of these tests are emphasized. Prerequisite: Either Psychology 240 or 441 and at least six additional hours credit in Psychology beyond the 200 level. I

460 The Experimental Psychology of Learning 3

Experimental studies and theories of learning. Lecture and laboratory sessions. Prerequisite: Psychology 240. I

472 Vocational and Educational Guidance 2

See Education 472.

490 History and Systems of Psychology 3

The philosophical and experimental background of scientific psychology from its pre-Aristotelian Greek origins through recent schools. One purpose of this course will be to integrate the previous studies of the psychology major. It is, therefore, open only to majors in their final year, or to other students by consent of the department. II

492 Seminar in Psychology 2

Designed especially for department majors in their senior year and for graduate students. This course will deal with special fields of psychology which are of current interest. Prerequisite: Consent of the department.

497, 498, 499 Independent Study 1-2

These credits are designed to provide the senior or graduate student with an opportunity to carry out, under supervision, a reading program or research project of special interest. Prerequisite: Consent of the department. I, II

510 Personality Assessment 3

The theory and practice of personality assessment by means of self report and projective methods. Time will be spent in supervised administration and interpretation of both group and individual tests.

520 Individual Psychological Testing 3

An intensive study of the Stanford-Binet, the Wechsler Preschool and Primary Scale of Intelligence, the Wechsler Intelligence Scale for Children and the Wechsler Adult Intelligence Scale. Prerequisite: Psychology 450. II

530 Group Processes and the Individual 2

A human interaction laboratory to facilitate the exploration of the self concept through the mechanisms of interpersonal interactions and feedback. Emphasis will be placed on the acquisition of skill in self-exploration, role identification, and climate making. Prerequisite: Psychology 430. II

540 Counseling Theory and Practice 3

A course designed to acquaint the student with the various theories and techniques of counseling. There will be opportunity for simulated interviews and some role playing in connection with the development of the theories and the techniques. Prerequisite: Psychology 450. I II S

560 Psychology of Learning 3

An analysis of theories of learning and their applications. Prerequisite: Nine hours of psychology above the 200 level. II

570 Practicum in Counseling and Testing 6

Supervised practice using the techniques of counseling and evaluation. Practicum students are trained in the flexible use of information and psychological test data to evaluate learning problems. This is integrated with the process of helping students individually or in small groups. Familiarization with procedures, resources, tests and occupational information become part of the experience. Prerequisites: Psychology 150 and 540. I II S

577 Supervised Field Work 6

The student is placed in a school system, or other job situation, to work under the supervision of a qualified counselor or psychologist. Prerequisite: Six hours of Practicum 570.

595 Methods and Techniques of Research 2

See Education 595

596, 597 Research Studies in Psychology 1-4

Supervised independent study and research to cover important areas of psychology which are not otherwise provided for. Prerequisite: Permission of the department.

598 Thesis 3-4

The thesis problem will be chosen from the candidate's major area of concentration and must be approved by his Graduate Committee. The candidate will be expected to defend his thesis in a final oral examination conducted by his Committee. I II S

RELIGION

*Mr. Eklund, Mr. Anderson, Mr. Christopherson, Mr. Govig,
Mr. Petersen*

Pacific Lutheran University offers a curriculum designed to introduce the student to the primary sources of the Christian religion, its Bible, its history and teachings through the centuries, and its application to the problems of today. Students planning to continue beyond the basic required courses should plan their program early with faculty members of the department. Major: 24 hours.

103 Introduction to the Christian Faith 3

A study of the biblical foundations of the Christian faith, its theology, and its history with the objective of relating the Christian



faith in a meaningful way to the basic problems which confront the student in the modern world. This course or its equivalent is required preparation for all other courses in religion.

203 *The Bible* 3

A study of the literature, history and theology of the Old and New Testaments.

301 *Old Testament* 3

Major areas of Old Testament inquiry, such as Archaeology and the Bible, the Prophets, or the Wisdom Literature. Prerequisite: Religion 203 or its equivalent.

302 *New Testament* 3

Major areas of New Testament inquiry, such as the Intertestamental, Synoptic, Johannine, or Pauline literature. Prerequisite: Religion 203 or its equivalent.

305 *Religious Education* 3

Theological, psychological and philosophical foundations for the educational ministry of the Church, and to meet the needs of students who wish to relate the study of religion to the disciplines of psychology and education. Prerequisite: Psychology 101.

307 *Ancient Church History* 3

The origin, thought and expansion of the Christian Church, rise of the Papacy, expansion in Europe and growth of Christian involvement in culture, to the end of the Papacy of Gregory I (604). I a/y 1969-70

308 *Modern Church History* 3

Beginning with the Peace of Westphalia (1648), interaction with modern science and philosophy, expansion in the world, modern movements. II a/y 1969-70

312 *The Reformation* 3

See History 312

327 *Hymnology* 3

See Music 327

331 *Comparative Religion* 3

The living religions of the world: Hinduism, Buddhism, Taoism, Confucianism, Judaism, Islam with references to Christianity. I a/y 1968-69

341 *American Churches* 3

A study of the development and trends of Christianity in the United States of America. I

342 Contemporary Christianity 3

Mid-century challenges and trends in the Christian Church with particular attention to contemporary theology and the ecumenical movement. II

411 Philosophy of Religion 3

See Philosophy 411

423 The Life of Christ 3

A study of the four gospels with emphasis upon the life and teachings of Christ and with a consideration of the literary and historical aspects of these writings.

426 Worship and Liturgy 3

See Music 426

432 The Christian Classics 3

Readings in the great Christian literature of all ages—devotions, biography, theology, poetry and hymns; lectures and seminars. II a/y 1968-69

434 Christian Theology 3

A study of the basic doctrines of the Christian Church as set forth in the ecumenical creeds and in the confessional writings of the major branches of the Church.

436 Theology and the Arts 3

An investigation of the relationship between theology and contemporary trends in literature and the fine arts.

497, 498 Independent Study 2-3

Permission of the department is required.

RESERVE OFFICER TRAINING CORPS—(Aerospace Studies)

Col. Denomy, Major Hunter, Capt. Eliason

The requirements for enrollment in these courses are outlined in the ACADEMIC ORGANIZATIONS section of the Bulletin under AIR FORCE ROTC—AEROSPACE STUDIES.

250 Field Training (Summer only) 3

A six week training program conducted at an Air Force Base. Course includes Air Force orientation, military training fundamentals, officer orientation, organization and function of Air Force Bases, marksmanship training and flying indoctrination. This course is a prerequisite for entry into Professional Officer Courses (300 and 400 series).

301, 302 Growth and Development of Aerospace Power 3, 3

A seminar course stressing oral and written communicative skills. Course surveys the nature of war; organization of the Department of Defense; Air Force doctrine, concepts and employment; astronautics and space operation, and the future development of Aerospace power. Includes the United States space programs, vehicles, systems and considers problems of space exploration. I, II

303, 304 Corps Training ½, ½

Course taken with 301 and 302 is designed to develop leadership skills by organizing, directing and administering the corps training program for cadets in the General Military Course. I, II

401, 402 The Professional Officer 3, 3

A seminar course in the study of professionalism, leadership and management in the U.S. Air Force. It includes principles, theories, functions and practices connected with management of aerospace resources, and the development of professional responsibilities and leadership in the Air Force of the future. I, II

403, 404 Corps Training ½, ½

Course taken with 401 and 402 is designed to develop supervisory and leadership skills by direction and administration of corps training activities. I, II

SOCIOLOGY

*Mr. Schiller, Mr. Jobst, Mr. Knorr, assisted by Mr. W. Gilbertson,
Mrs. Wolfrom*

Sociology studies the development, organization and behavior of human groups. Its general purpose is to explain uniformities and processes of human social behavior and the nature and relationships of institutions; to help the student to understand his own and other cultures; to stimulate him to a critical and constructive attitude toward social changes; and to furnish a sound basis for intelligent citizenship.

A major in the Department of Sociology provides the proper background for activity in the following fields: (1) advanced research and teaching in sociology; (2) social work, welfare administration, nursing, community organization and community planning; (3) the preaching and teaching ministry, parish work and all related religious activities; (4) the teaching of social studies; (5) criminology, probation work, correctional and other institutions, race relations, international relationships, public administration, law and group leadership; (6) all other areas dealing in any way with plural relationships and situations.

The Department of Sociology holds membership in the Council on Social Work Education.

Major: 27 credit hours, including Sociology 101, 202, 275, 412, 431, and 495.

Supporting courses in related areas will be planned with the major adviser to fill the specific needs of each student.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in Sociology should refer to page 70 under **ACADEMIC PREPARATION**.

NOTE: Sociology 101 or 300 is the prerequisite for all other courses in the department.

101 *Introduction to Sociology 3*

An inquiry into the basic principles for understanding social relationships. This course is designed to acquaint the student with the fundamental laws governing human relations. Problems of social structure, social processes and social motivation will be considered. I II

202 *Contemporary Social Problems 3*

Problems of delinquency, suicide, crime, population, unemployment, public relief, poverty, public welfare, mental deficiency, and family disorganization will be among the chief problems under consideration. I II

275 *Group Behavior 3*

The function of social interaction and structure in the development and adaptive behavior of the individual; and the effect of individual differences and personality factors on group interaction. I

300 *Principles of Sociology 3*

An advanced introductory course stressing the major concepts and fundamental laws operative in all areas of social relationships. Not open to students who have taken 101.

301 *Social Legislation 2*

Historical and critical analysis of social legislation in Europe and America, with special emphasis upon the social legislation in the United States and in the State of Washington. S

308 *Juvenile Delinquency 3*

Family and community backgrounds; treatment through institutions, the juvenile court and probation; programs of prevention. II a/y 1969-70

315 *Public Opinion 2*

An analysis of public opinion and propaganda from the point of view of modern social sciences. S



320 Social Psychology 3

See Psychology 320.

321 Labor Problems 3

See Economics 321.

332 Contemporary Marriage Problems 3

A practical inquiry into the forces influencing modern courtship and marriage, with emphasis on human experience rather than statistical presentations. No prerequisite. II

341 Race Relations 3

A study of interracial contacts and conflicts, with emphasis upon American racial problems. I a/y 1968-69

344 Cultural Anthropology 3

A study of the uniformities and variations in man's cultural development, with special emphasis upon the value of this study for contemporary society. I

359 The Community 3

Organization and activity of urban and rural society with specific reference to the integration of their basic cultural institutions in meeting the total needs of society; and the process of urban-rural interpenetration II a/y 1969-70

360 Human Migration 3

The consideration of major quantitative and qualitative problems of population and population movements in contemporary society. I a/y 1969-70

406 Criminology 3

The nature of the social problems of crime, the criminal law and its administration, and the penal treatment of the criminal. II a/y 1968-69

407 Educational Sociology 3

A systematic view of significant sociological data and principles applicable to educational policies and practices. II a/y 1968-69

412 History of Sociological Thought 3

The development of sociological thought from Comte to the present. II

431 The Family 3

The changing home: the study of the family and familial customs; family interaction and organization; analysis and treatment of family disorganization and reorganization. I

435 Introduction to Social Welfare 3

A survey course of the historical, philosophical and ideological developments that influence the nature of social welfare. The period from the beginning of the Christian era to the present is considered. I

436 Introduction to Interviewing 2

This course is designed for students who plan to become involved in the field of human relationships—social welfare workers, physicians, clergyman, nurses, parish workers, personnel officers. Interviewing principles, methods, and procedures of a non-clinical nature are considered. Open to Juniors and Seniors only.

440 Introduction to Social Work 3

Classroom survey of basic processes and methods used in social work and participant observation of these processes and methods in agencies and institutions in Tacoma. Permission of the department is required. II

441 Statistical Methods 3

See Psychology 441.

445 Social Control 3

Analysis of the techniques and processes by which social changes in individual and collective action are effected.

450 Contemporary Social Institutions 3

The origins and developments of major American social institutions and related institutional patterns. I a/y 1969-70

451 Sociology of Religion 3

Consideration is given to the structure and function of religion as a social institution; the interrelationships between religion and other institutions, society, groups and communities; the dynamics of religious movements; typology of religious groups; and contemporary problems facing churches as religious organizations. I a/ 1968-69

495, 496 Seminar 1-3

Permission of the department required.

497, 498 Independent Study 1-3

Open to students majoring in sociology. Permission of the department required. I, II

597, 598 Graduate Research 1-3

The topic of the thesis or paper will be chosen from the candidate's major area of concentration and must be approved by his Graduate Committee.



SPEECH

*Mr. Karl, Mr. Bassett, Mr. Doughty, Mr. Hartman, Miss Holden,
Mr. Nordholm, Mr. Utzinger*

The requirements for the Bachelor of Fine Arts with a major in drama or public address are outlined under the School of Fine and Applied Arts in the section, Academic Organization.

All students majoring in the field will participate in some phase of dramatics, forensics, and broadcasting.

Candidates for the Bachelor of Arts degree may complete a major with 27 credit hours in speech arts, or 27 hours in drama, or 27 hours in a combination major.

Public Address major: 27 credit hours. Required courses: Speech 101, 202, 210, 306, 307, 308, 317, and six hours of electives.

Drama major: 27 credit hours. Required courses: Speech 101, 210, 216, 316, 317, and 12 hours from the following: Speech 310, 311, 312, 319, and 3 hours of electives. Selection of courses with the approval of the major adviser is dependent on student's interest in technical or performing drama.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in speech should refer to page 70 under ACADEMIC PREPARATION.

Students with personal problems in speech therapy are urged to contact the department for individual assistance with their speech difficulties. A limited number can be serviced.

101 *Fundamentals of Oral Communication 3*

Foundation course dealing with basic elements of the speech situation, including the visible and audible approaches. Some concentration on content. Extensive platform work. I II

103, 203, 303, 403, *Forensics 1*

One year competition in intercollegiate forensics during the corresponding academic year. II

107 *Business and Professional Speech 2*

Platform techniques, voice adjustment, speech construction. Application made to practical speech situations for professions and businesses represented in the class. Platform work predominates. II

111 *Introduction to the Theatre 3*

Introduction to the theatre as a fine art and its contribution to the culture of a people. A correlation of development and influence of the theatre in all of its phases including its relation to the communication arts. I

202 Principles of Public Speaking 3

Technique, composition and delivery of speeches for various occasions. Group and individual projects. Major portion is platform work. I II

207 Parliamentary Law 2

Study of parliamentary law based upon Robert's Rules of Order. Practical work predominates. Designed primarily to aid those who do or will belong to organizations. II

210 Interpretative Reading 3

An introduction to the art of interpretative reading. Emphasis given to developing logical and emotional responsiveness to literature. I II

216 Fundamentals of Acting 3

Training of the actor with emphasis upon movement, emotional recall, and responding to imaginary stimuli. Lecture and performance. I

226 Broadcast Announcing 3

A study of the basics of Radio and TV announcing. Extensive laboratory experience before the microphone and camera. I

306 Rhetoric and Rhetorical Criticism 3

A study of the use of oral language in forming judgments and opinions. Analysis of human motivation, ethics and behavior as expressed orally. Prerequisite : 101, 202. I

307 Persuasion 3

A study of the dominant decision making process in modern society. The art and process of arousing mental assent and of moving to action. Prerequisite: 101, 202, or consent of department. II

308 Extempore Speaking 3

Platform work predominates. Special emphasis given to the study of gathering material, methods of preparation, and delivery. Prerequisite: 101, 202, or consent of department. I

310 Stage Scenery 3

The design and execution of scenery and costumes for stage productions, including the training of stage personnel. Open to speech majors or by permission of the department. Offered every third semester.

311 Stage Lighting 3

Theory and practice of stage lighting. Open to speech majors or by permission of the department. Offered every third semester.

312 *Costume and Make-Up 3*

The design and the making of costumes for stage productions, and the theory and practice of make-up. Open to speech majors or by permission of the department. Offered every third semester.

316 *History of the Theatre 3*

A study of the development of the theatre from early Greece to Modern America. Attention also given to the analysis of representative plays. I

317 *Advanced Interpretative Reading 3*

Special projects and class exercises directed toward program planning. Development of skill and communicativeness in reading aloud. Development of the art of making literature live. Prerequisite: 210. II

319 *Play Direction 3*

Principles of play direction, theory, exercises and production of complete one-act play. For speech majors, or by permission of the department. II a/y 1969-70

327 *Radio and Television Production 3*

Direction and production of radio and television programs with extensive use of radio, recording, and television equipment. Lecture and workshop. II

336 *Speech Science 3*

Practical study of anatomy, physiology and physics involved in the speech process. The study of phonetics and the production of all sounds in the English language. II

337 *Speech Pathology 3*

Basic principles and therapy of speech correction. Remedial procedures designed for articulation, voice, stuttering, and language disorders. The rehabilitation of the brain damaged and cleft palate handicapped. I

445 *Speech in the Secondary School 2*

Curriculum construction, speech philosophy for the teacher. Co-curricular activity. Administration of drama, radio and forensic activities. Offered on demand.

447 *Speech for the Classroom Teacher 2*

A survey of speech problems and opportunities which confront the teacher in the classroom. II

461 *Children's Drama Workshop 4*

The children's workshop will consist of four and one-half weeks of intensive work in children's drama. A complete three-act play, or equivalent, will be produced in that time. The students will be involved in direction, stage management, lighting, and all other phases of production.

462 *Summer Drama Workshop 5*

The summer drama workshop will consist of five weeks of intensive work in drama. Acting, stage management, lighting instruction, and all other phases of production.

463 *Summer Television Workshop 4*

A practical and intensive study of the creative and production techniques of television programming. This course is designed for the mature student interested in the commercial, educational, or religious use of television. It will feature extensive use of studio facilities and equipment.

464 *Television and the Classroom Teacher 2*

A course designed to acquaint the classroom teacher with in-school television; examining television as a medium; the classroom teacher's use of television as an instructional device; the television teacher's problems in planning production and presentation of in-school lessons. II S

465 *Clinical Practices in Speech Correction and Audiology 3*

Clinical school procedures in speech correction and audiology. Emphasis on diagnostic and therapeutic techniques of common disorders. S

497 *Special Studies in Speech 1*

Individual projects and special outside activities under the supervision of the department. Entrance upon approval of the department.

498 *Special Studies in Speech 2*

Individual projects and special outside activities under the supervision of the department. Entrance upon approval of the department.

499 *Special Studies in Speech 3*

Individual projects and special outside activities under the supervision of the department. Entrance upon approval of the department.

527 *Research in Speech 1*

Individual projects and special outside activities under the supervision of the department. Entrance upon approval of the department.

528 *Research in Speech 2*

Individual projects and special outside activities under the supervision of the department. Entrance upon approval of the department.

529 *Research in Speech 3*

Individual projects and special outside activities under the supervision of the department. Entrance upon approval of the department.



The Register

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 Mr. Gordon J. Storaasli, Assistant to the President,
 5519 Phinney Ave. No., Seattle, Wash. 98103

The Pacific Northwest Synod of the Lutheran Church in America has accepted Pacific Lutheran University as one of the institutions of higher education which it endorses and supports. The Synod has representation on the University's Board of Regents, but does not share ownership of the institution.



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 Tacoma, Washington (Ex-officio)

TERM EXPIRES MAY, 1968

Gustaf Anderson '48
 Mercer Island, Washington
 Donald Monson '39
 Olympia, Washington
 Helen Nordquist '57
 Tacoma, Washington
 E. Robert Stuhlmueller '57
 Edwall, Washington

TERM EXPIRES MAY, 1969

Dr. Jess Bumgardner '49
 Beaverton, Oregon
 Gerry Dryer '61
 Spanaway, Washington
 Dr. Anita Hendrickson '57
 Seattle, Washington
 Terry Sverdsten '57
 Kellogg, Idaho

TERM EXPIRES MAY, 1970

Duane Berentson '51 Burlington, Washington	Robert E. Ross '54 Tacoma, Washington	Malcolm L. Soine '52 Tacoma, Washington
Lucile Larson '56 Tacoma, Washington	Dr. M. Roy Schwarz '58 Seattle, Washington	

REPRESENTATIVES TO THE UNIVERSITY BOARD OF REGENTS

Esther Aus '32, Portland, Oregon (1968)	<i>Ex-officio</i>
Rev. Lowell Knutson '51, Everett, Washington (1969)	Michael McKean
Carl T. Fynboe '49, Tacoma, Washington (1970)	Senior Class President

ADMINISTRATIVE AND OTHER OFFICERS 1967-68

President	Robert A. L. Mortvedt
Administrative Assistant	Lucille G. Giroux
<i>Academic Administration</i>	
Academic Vice President	Thomas H. Langevin
Director of Graduate Studies	
Director of Summer Session	
Registrar	Charles T. Nelson
Assistant Registrar	Lolita G. Espeseth

Director of Broadcast Services and Instructional Materials Production	Judd C. Doughty
Dean of the College of Arts and Sciences	Charles D. Anderson
Dean of the College of Professional Studies	Richard D. Moe
Director of the School of Business Administration	Gundar J. King
Director of the School of Education	Kenneth A. Johnston
Director of the School of Fine and Applied Arts (Acting)	Richard D. Moe
Director of the School of Nursing	Doris G. Stucke
Director of Teacher Placement	Arne K. Pederson
Librarian	Frank H. Haley
<i>Business Administration</i>	
Vice President—Business and Finance	A. Dean Buchanan
Assistant Controller	Jerry C. Haralson
Business Manager	Howard E. Vedell
Plant Manager	
Manager of the Bookstore	Doris McCarty
Director of Food Service	Edith Dougherty
Assistant Director of Food Service	Mary Hegtvedt
Acting Director of Athletics	H. Joseph Broecker
Director of Data Processing	Paul Askland
<i>Development</i>	
Vice President for Development	Clayton B. Peterson
Associate in Development	Arthur O. Pedersen
<i>University Relations</i>	
Vice President—University Relations	Milton L. Nesvig
Director of Admissions	J. E. Danielson
Assistant Director of Admissions and Financial Aids Officer	M. James Van Beek
Assistant Director of Admissions	Ronald C. Colton
Admissions Counselor	Mark E. Andersen
Director of Alumni Relations	Jon B. Olson
Director of Church Relations	Harvey J. Neufeld
News Bureau Chief	E. Joseph Schneider
<i>Student Personnel Service</i>	
Vice President—Student Affairs	Daniel R. Leasure
Dean of Men	William W. Sandler, Jr.
Dean of Women	Margaret D. Wickstrom
Assistant Dean of Women	Mary Jane Heisler
Director of Counseling and Testing Service	Seiichi Adachi
Director of Housing	Leighland Johnson
Psychometrist	Gary Minetti
Acting Director, Health Services	Paul Bondo, M.D.
Chief Nurse	Gladys Bergum
<i>Student Congregation</i>	
University Chaplain	John O. Larsgaard
Assistant Pastor	Morris V. Dalton

FACULTY*—1967-1968

ROBERT A. L. MORTVEDT, 1962-

President

A.B., St. Olaf College, 1924; A.M., Ph.D., Harvard University, 1930, 1934; LL.D., Pacific Lutheran University, Augustana College, 1961; Litt.D., Wagner College, 1962.

SEIICHI ADACHI, 1967-

Assistant Professor of Psychology and Education, Director of Counseling and Testing Service

B.A., Jamestown College, 1946; B.D., McCormick Seminary, 1951; M.A., Ed.D., Teachers College, Columbia University, 1957, 1960.

HARRY S. ADAMS, 1947-51, 1962-

Associate Professor of Physics

B.S., M.S., Kansas State University, 1945, 1947; Ph.D., University of Minnesota, 1962.

ELVIN MARTIN AKRE, 1937-

Associate Professor of History

B.A., Concordia College, 1928; M.A., University of Washington, 1941; further graduate study, University of Washington, University of Oslo, Exeter College, Oxford University.

RICHARD A. ALSETH, 1965-

Instructor in Physical Education, Swimming; Pool Manager; Coach of Swimming

B.S., Washington State University, 1962.

CHARLES DEAN ANDERSON, 1959-

Professor of Chemistry, Dean of the College of Arts and Sciences

B.A., St. Olaf College, 1952; A.M., Ph.D., Harvard University, 1954, 1959.

JOSEPH L. ANDERSON, 1966-

Assistant Professor of Religion

B.A., Augustana College (Rock Island), 1945; B.D., Augustana Theological Seminary, 1948; S.T.M., Union Theological Seminary, 1952; Ph.D., Boston University, 1966.

GEORGE EVANS ARBAUGH, 1959-

Professor of Philosophy

B.A., Augustana College (Rock Island), 1955; M.A., Ph.D., University of Iowa, 1958, 1959.

*Date after name indicates the beginning of term of service.

**D. STUART BANCROFT, 1967-***Instructor in Business*

B.S.B., M.B.A., Arizona State University, 1963, 1965.

ABE J. BASSETT, 1964-*Assistant Professor of Speech*

B.A., Bowling Green State University, 1952; M.A., Ph.D., The Ohio State University, 1957, 1962.

KENNETH EDWARD BATKER, 1960-*Assistant Professor of Mathematics*

B.A., Warburg College, 1957; M.A., University of Colorado, 1961; further graduate study, University of Oregon.

MARTA ELLEN BERG, 1967-*Assistant Professor of Health and Physical Education*

B.A., Pacific Lutheran University, 1960; M.A., Pacific Lutheran University, to be conferred 1968.

W. HAROLD BEXTON, 1965-*Professor of Psychology*

B.A., McMaster University, 1935; M.A., University of Saskatchewan, 1950; Ph.D., McGill University, 1953.

GRACE ELEANOR BLOMQUIST, 1939-*Associate Professor of English*

B.A., Concordia College, 1934; M.A., Syracuse University, 1939; further graduate study, University of Minnesota, Goethe University.

HERMAN JOSEPH BROEKER, 1966-*Instructor in Health and Physical Education, Acting Director of Athletics, Coach of Baseball*

B.A., M.S., Washington State University, 1965, 1967.

ROY E. CARLSON, 1962-*Assistant Professor of Physical Education, Coach of Football and Wrestling*

B.S., University of Washington, 1948; M.S., Washington State University, 1962.

MELBA JEAN CATHER, 1966-*Instructor in Nursing*

B.A., University of Miami, 1952; M.A., University of Washington, 1961.

ALICE-MARIE B. CHAMBERS, 1966-*Assistant Professor of Education*

B.S., University of Utah, 1945; M.A., University of Washington, 1965.

GEORGANN A. CHASE, 1964-

Assistant Professor of Nursing

B.S.N., M.S. Nursing Ed., University of Oregon, 1955, 1959.

KENNETH EUGENE CHRISTOPHERSON, 1958-

Assistant Professor of Religion

B.A., Augustana College, 1946; B.Th., Luther Theological Seminary, 1950; graduate study, University of Oslo, University of Minnesota.

LOWELL WATSON CULVER, 1964-

Assistant Professor of Political Science

B.A., San Diego State College, 1954; M.A., University of California, 1957; Ph.D., University of Southern California, 1967.

JAMES DAVIS, 1965-

Instructor in Economics

B.S., M.S., Montana State University, 1964, 1965.

CARROL ELVIN DEBOWER, 1964-

Associate Professor of Education

B.S., Midland College, 1952; M.Ed., Ed.D., University of Nebraska, 1959, 1964.

JUDD C. DOUGHTY, 1962-

Assistant Professor of Speech, Director of Broadcast Services and Instructional Materials Production

B.A., M.A., Pacific Lutheran University, 1955, 1964.

KARIN H. DURHAM, 1966-

Instructor in German

B.Ed., University of British Columbia, 1963; M.A., University of Washington, 1966.

LAWRENCE C. ECCAN, 1965-

Associate Professor of Mathematics

B.A., Pacific Lutheran University, 1956; M.S., Ph.D., University of Oregon, 1958, 1960.

EMMET E. EKLUND, 1964-

Associate Professor of Religion

B.A., Bethany College, 1941; B.D., Augustana Seminary, 1945; M.A., University of Chicago, 1958; Ph.D., Boston University, 1964.

LOIS L. ELAM, 1966-

Instructor in Nursing

B.S., University of Washington, 1959; further graduate study, University of Washington.

GEORGE ROBERT ELWELL, 1959-

Assistant Professor of Art

B.A., Youngstown University, 1949; M.A., New York University, 1955.

JANET M. ERWIN, 1967-

Instructor in English

B.A., Wake Forest College, 1960; M.A., Duke University, 1961.

DONALD RAYMOND FARMER, 1955-

Professor of Political Science

B.S. Ed., Ph.D., University of Minnesota, 1944, 1954.

WINNIFRED M. FISHER, 1966-

Assistant Professor of German

B.A., Lewis and Clark College, 1961; M.A., University of Washington, 1962; Studies at Goethe Institute and Free University, Berlin.

M. JOSEPHINE FLETCHER, 1963-

Assistant Professor of Nursing

B.S.N., North Park College, 1960; M.S., DePaul University, 1963.

R. BYARD FRITTS, 1949-

Associate Professor of Music

B.M., Wittenberg University, 1948; A.Mus.D., Eastman School of Music, University of Rochester, 1949, 1958.

RONALD W. GENDA, 1967-

Assistant Professor of Economics

B.S.Ed., Ball State University, 1965; M.A., Purdue University, 1967.

EARL B. GERHEIM, 1962-

Professor of Biology

B.A., M.S., University of New Mexico, 1941, 1947; Ph.D., University of North Carolina, 1949.

WILLIAM P. GIDDINGS, 1962-

Associate Professor of Chemistry

B.A., DePauw University, 1954; A.M., Ph.D., Harvard University, 1956, 1959.

GORDON O. GILBERTSON, 1954-

Associate Professor of Music

B.A., Concordia College, 1937; M.M., Northwestern University, 1942; further graduate study, University of Colorado, University of Washington.

STEWART D. GOVIC, 1958-60, 1961-

Associate Professor of Religion

B.A., St. Olaf College, 1948; B.Th., Luther Theological Seminary, 1952; M.Th., Princeton Theological Seminary, 1954; Ph.D., New York University, 1966.

ARNOLD JASPER HAGEN, 1955-

Associate Professor of Education

B.A., Concordia College, 1931; M.Ed., University of Montana, 1941; Ed.D., University of Oregon, 1955.

JAMES A. HALSETH, 1966-

Instructor in History

B.A., Concordia College (Moorhead), 1962; M.A., Eastern New Mexico University, 1963; further graduate study, Texas Technological College.

PAUL E. HARTMAN, 1967-

Instructor in Speech

B.A., Pacific Lutheran University, 1967.

PHILIP ENOCH HAUGE, 1920-

Professor of Education

B.A., St. Olaf College, 1920; M.A., Ph.D., University of Washington, 1924, 1942; LL.D., Pacific Lutheran University, 1960.

JOHN O. HERZOG, 1967-

Associate Professor of Mathematics

B.A., Concordia College (Moorhead) 1957; M.A., Ph.D., University of Nebraska, 1959, 1963.

RICHARD N. HILDATH, 1967-

Instructor in Business Administration

B.B.A., Pacific Lutheran University, 1965; M.B.A., University of Oregon, 1966.

LAVON C. HOLDEN, 1967-

Acting Instructor in Speech

B.A., Pacific Lutheran University, 1967.

GARY L. HOLMAN, 1967-

Assistant Professor of Economics

B.A., St. Martin's College, 1962; M.A., University of Washington, 1965.

BRANTON K. HOLMBERG, 1964-

Instructor in Psychology

B.A., M.Ed., Central Washington State College, 1962, 1964.

CURTIS E. HUBER, 1964-

Associate Professor of Philosophy

B.A., B.D., Concordia Seminary, 1950, 1953; M.A., Ph.D., University of Wisconsin, 1958, 1962.

LAURENCE D. HUESTIS, 1961-

Associate Professor of Chemistry

B.S., Ph.D., University of California, 1956, 1960.

WILLIAM R. HUTCHEON, JR., 1967-

Assistant Professor of Business Administration

B.S., University of Rhode Island, 1953; M.B.A., University of Washington, 1963.



JOANN JENSEN, 1967-

Associate Professor of Biology

B.A., Pacific Lutheran University, 1954; M.A., University of Southern California, 1957; Ph.D., Iowa State University, 1961.

RICHARD J. JOBST, 1967-

Instructor in Sociology

B.A., University of San Francisco, 1961; M.A., University of California, 1967.

LUCILLE MARGUERITE JOHNSON, 1953-

Associate Professor of English

B.A., Concordia College, 1940; M.A., Washington State University, 1943; Ed.D. (Rhetoric), University of Montana, to be conferred 1968.

KENNETH A. JOHNSTON, 1964-

Professor of Education, Director of the School of Education

B.A., Western Washington State College, 1947; M.A., Stanford University, 1953; Ed.D., Washington State University, 1964.

ALBERT HUGH JONES, 1964-

Assistant Professor of Education

B.S., M.A., Ph.D., Ohio State University, 1951, 1955, 1966.

OLAF MELVIN JORDAHL, 1940-

Professor of Physics

A.B., Luther College, 1925; M.S., University of Pittsburgh, 1927; Ph.D., University of Wisconsin, 1933.

THEODORE OSCAR HENRY KARL, 1940-42, 1948-

Professor of Speech

B.A., M.A., Gustavus Adolphus College, 1934, 1936; further graduate study, University of Southern California, Stanford University.

GUNDAR JULIAN KING, 1960-

Professor of Business Administration, Director of the School of Business Administration

B.B.A., University of Oregon, 1956; M.B.A., Ph.D., Stanford University, 1958, 1963.

LARS EVERETT KITTLESON, 1956-

Assistant Professor of Art

B.S., University of Wisconsin in Milwaukee, 1950; M.S., University of Wisconsin, 1951; M.F.A., University of Southern California, 1955.

RAYMOND A. KLOPSCH, 1953-

Associate Professor of English

B.S., Illinois Institute of Technology, 1949; M.A., Ph.D., University of Illinois, 1950, 1962.

CALVIN H. KNAPP, 1960-

Assistant Professor of Music

B.S., M.S., Juilliard School of Music, 1949, 1950; graduate study, Columbia University, Pacific Lutheran University, University of Puget Sound, University of Washington.

ERICH CARL KNORR, 1949-

Professor of Sociology

Graduate, St. Paul Luther College, 1921; Cand. Theol., St. Paul Luther Seminary, 1924; B.A., M.A., Washington State University, 1929, 1930; Ph.D., University of Washington, 1946.

JENS WERNER KNUDSEN, 1957-

Professor of Biology

B.A., Pacific Lutheran University, 1952; M.S., Ph.D., University of Southern California, 1954, 1957.

ANNE ELISE KNUDSON, 1946-

Associate Professor of English

B.A., Augustana College, 1928; M.A., Washington State University, 1936; further graduate study, University of Washington, Washington State University, University of California, University of London, Breadloaf School of English.

JERRY D. KRACHT, 1967-

Instructor in Music

B.M., M.A., University of Iowa, 1963, 1965.

THOMAS H. LANGEVIN, 1965-

Professor of History, Academic Vice President, Director of Graduate Studies, Director of Summer Session

B.S., Concordia Teachers College (Seward, Nebraska), 1947; M.A., Ph.D., University of Nebraska, 1949, 1951.

DANIEL R. LEASURE, 1966-

Professor of Education, Vice President—Student Affairs

B.A., Westminster College, 1958; M.Ed., Ed.D., Pennsylvania State University, 1960, 1961.

HAROLD J. LERAAS, 1935-42, 1947-

Professor of Biology

A.B., Luther College, 1930; M.S., Ph.D., D.D.S., University of Michigan, 1932, 1935, 1946.

KENNETH A. LUEDER, 1967-

Instructor in Mathematics

B.A., Luther College, Decorah, Iowa, 1965; M.A., University of Nebraska, 1967.

GENE CARROLL LUNDGAARD, 1958-

Assistant Professor of Physical Education, Coach of Basketball

B.A., Ed., Pacific Lutheran University, 1951; M.S., University of Washington, 1961.

EUGENE A. MAIER, 1967-

Visiting Professor of Mathematics

B.A., M.A., Ph.D., University of Oregon, 1949, 1951, 1954.

*GUNNAR JOHANNES MALMIN, 1937-

Professor of Latin and Norwegian

B.A., Luther College, 1923; B.M., St. Olaf College, 1925; M.Mus., University of Michigan, 1940; further graduate study, University of Southern California, University of Oslo.

ARTHUR DAVID MARTINSON, 1966-

Assistant Professor of History

B.A., Pacific Lutheran University, 1957; M.A., Ph.D., Washington State University, 1961, 1966.

THOMAS A. McKAY, 1967-

Instructor in Philosophy

B.A., M.A., Gonzaga University, 1962, 1965.

KEITH WENDELL McMASTER, 1967-

Assistant Professor of Business Administration

B.B.A., University of Washington, 1964; M.B.A., University of Oregon, 1965.

RICHARD D. MOE, 1965-

Professor of Education, Dean of the College of Professional Studies

B.A., Concordia College (Moorhead, Minn.), 1951; M.Ed., Ed.D., University of Colorado, 1953, 1962.

KATHARINE EDBROOKE MONROE, 1967-

Assistant Professor of French

B.A., London University 1932; M.A., Middlebury College, Vermont, French 1942, English 1951; further graduate study, Columbia University and Ohio State University.

ALICE JAMES NAPJUS, 1963-

Assistant Professor of Education

B.A., M.A., University of Washington, 1956, 1965.

CHARLES T. NELSON, 1967-

Instructor in Education, Registrar

B.S., Education, General Beadle State College, S. Dakota, 1963; M.A., Adams State College, Colorado, 1964.

*On leave, 1967-68



BURTON L. NESSET, 1967-

Assistant Professor of Chemistry

B.A., St. Olaf College, 1957; M.S., Ph.D., Purdue University, 1960, 1962.

FREDERICK LAURENCE NEWNHAM, 1950-

Professor of Music

Graduate, Royal Academy of Music, London, 1925; Teacher's Training Certificate, University of London, 1925; Associate, Royal College of Music, London, 1928; Licentiate, Associate, Fellow, Royal Academy of Music, London, 1929, 1931, 1962.

ERIC NORDHOLM, 1955-

Assistant Professor of Speech

B.F.A., Art Institute of Chicago, 1951; graduate study, Indiana University.

PHILIP AKERSON NORDQUIST, 1963-

Associate Professor of History

B.A., Pacific Lutheran University, 1956; M.A., Ph.D., University of Washington, 1960, 1964.

SHERMAN BERDEEN NORNES, 1959-61; 1965-

Associate Professor of Physics

B.A., Concordia College, 1951; M.S., University of North Dakota, 1956; Ph.D., Washington State University, 1965.

SARA A. OFFICER, 1967-

Instructor in Health and Physical Education

B.S., Oregon State College, 1958; M.S., Indiana University, 1965.

ROBERT CARL OLSEN, 1947-

Professor of Chemistry

B.S., Ph.D., Michigan State University, 1931, 1936.

LINDA NELSON OLSON, 1967-

Instructor in Nursing

R.N., B.S.N., M.N., University of Washington, 1958, 1959, 1964.

FLORENCE A. ORVIK, 1967-

Assistant Professor of Education

B.S., Moorhead State College, 1953; M.A., Eastern Washington State College, 1961.

BURTON THOMAS OSTENSON, 1947-

Professor of Biology

B.A., Luther College, 1932; M.S., Ph.D., University of Michigan, 1934, 1947.

DONALD L. PATTIE, 1964-

Assistant Professor of Biology

B.A., Concordia College, 1955; M.A.T., Montana State University, 1960; Ph.D., University of Montana, 1967.

ARNE KENNETH PEDERSON, 1956-

Associate Professor of Education, Director of Teacher Placement

B.A.Ed., B.Ed., M.A., Pacific Lutheran University, 1949, 1953, 1956; further graduate study, University of Washington.

JOHN E. PETERSEN, 1967-

Assistant Professor of Religion

B.A., St. Olaf College, 1958; B.D., Luther Seminary, St. Paul, 1963; M.A., New York University, 1965.

CHARLES ARTHUR PETERSON, 1959-

Associate Professor of Business Administration

B.S., Kansas State Teachers College, 1951; M.S., University of Tennessee, 1952; Ph.D., University of Minnesota, 1966.

GARY D. PETERSON, 1967-

Instructor in Mathematics

B.S., Iowa State University, 1960; M.S., Western Washington State College, 1967.

WILMA E. PETERSON, 1965-

Assistant Professor of Nursing

B.S., University of Saskatchewan, 1947; M.S., Boston University, 1953.

ROBERT EUGENE PIERSON, 1959-

Associate Professor of Economics

B.A., St. Olaf College, 1952; M.A., Northwestern University, 1954; further graduate study, Northwestern University.

HERBERT ROBERT RANSON, 1940-

Professor of English

B.A., M.A., University of Kansas, 1924, 1926; Ph.D., University of Washington, 1936.

PAUL MATTHEW REIGSTAD, 1947-48, 1958-

Professor of English

B.A., St. Olaf College, 1943; M.A., Ph.D., University of New Mexico, 1956, 1958.

LOIS MAE RIMER, 1965-

Instructor in Nursing

B.S., Teachers College, Columbia University, 1959; M.N., University of Washington, 1966.

LOUIS DON RINGE, 1966-*Assistant Professor of Geology and General Science*

B.S., M.S., University of Idaho, 1953, 1957; further graduate study, Washington State University.

GEORGE ROSKOS, 1950-*Associate Professor of Art*

B.S., Art Ed., Youngstown College, 1949; M.A., University of Iowa, 1950.

H. MARK SALZMAN, 1951-*Associate Professor of Physical Education*

B.A., Carthage College, 1947; M.A., University of Iowa, 1951.

WILLIAM W. SANDLER, 1967-*Assistant Professor of Education, Dean of Men*

B.S., Mansfield State College, Pennsylvania, 1958; M.Ed., Pennsylvania State University, 1960; further graduate study, Pennsylvania State University.

JOHANNES AUGUST SCHILLER, 1958-*Professor of Sociology*

B.A., Capital University, 1945; Cand. Theol., Evangelical Lutheran Theological Seminary, 1947; M.A., University of Kansas, 1959; Ph.D., University of Washington, 1967.

WALTER CHARLES SCHNACKENBERG, 1942-44, 1952-*Professor of History*

Graduate, Pacific Lutheran College, 1937; A.B., St. Olaf College, 1939; A.M., Gonzaga University, 1947; Ph.D., Washington State University, 1950.

ERNST C. SCHWIDDER, 1967-*Associate Professor of Art*

B.A., M.F.A., University of Washington, 1953, 1955.

S. ERVING SEVERTSON, 1966-*Assistant Professor of Psychology*

B.A., Pacific Lutheran University, 1955; B.D., Luther Theological Seminary, 1959; M.A., University of Wyoming, 1960; Ph.D., University of Utah, 1966.

DIETER H. SEVIN, 1967-*Assistant Professor of German*

B.A., San Jose State College, 1963; M.A., Ph.D., University of Washington, 1964, 1967.

THEODORE CAROL SJODING, 1951-*Professor of Education*

B.A., University of Saskatchewan, 1933; M.A., Ph.D., University of Minnesota, 1944, 1951.

MAURICE H. SKONES, 1964-

Associate Professor of Music, Director of Choral Music

B.A., Concordia College, 1948; M.M.Ed., Montana State University, 1957; further graduate study, University of Arizona and University of Washington.

JIMMIE L. SOLF, 1967-

Assistant Professor of English

B.A., Bethany College, Kansas, 1959; M.A., Kansas State Teachers College, 1962.

CARL D. SPANGLER, 1961-1962, 1963-

Assistant Professor of French

A.B., Grove City College, 1958; M.A., Pennsylvania State University, 1961; further graduate study, Pennsylvania State University and University of Minnesota.

LYNN S. STEIN, 1961-

Associate Professor of Education

B.A., North Dakota State Teachers College, 1937; M.A., University of Montana, 1952; Ed.D., Montana State University, 1961.

VERNON L. STINTZI, 1964-

Assistant Professor of Business Administration

B.A., Coe College, 1937; M.B.A., Arizona State University, 1964; further graduate study, University of Washington.

KATHRYN A. STRICKLAND, 1965-

Instructor in Music

B.M., M.M., Indiana University, 1963, 1964; further graduate study, Indiana University.

DORIS G. STUCKE, 1967-

Associate Professor of Nursing; Director of the School of Nursing

B.S., American University, D.C., 1949; M.Ed., University of Minnesota, 1956; Ed.D., Teachers College, Columbia University, 1967.

KWONG-TIN TANG, 1967-

Assistant Professor of Physics

B.S., M.A., University of Washington, 1958, 1959; Ph.D., Columbia University, 1965.

FREDERICK L. TOBIASON, 1966-

Assistant Professor of Chemistry

B.A., Pacific Lutheran University, 1958; Ph.D., Michigan State University, 1963.

DOROTHY MILDRED TOLLEFSON, 1961-

Assistant Professor of Nursing

B.S.N., M.Ed., University of Minnesota, 1956, 1959.

AUDEN TRYGGVE TOVEN, 1967-

Instructor in Norwegian

University of Oslo, 1964; M.A., University of Washington, 1967.

PAUL WOLFGANG ULBRICHT, 1967-

Assistant Professor of Political Science

B.A., M.A., Ph.D., University of Washington, 1959, 1960, 1965.

DAVID E. URNESS, 1967-

Assistant Professor of Music

B.M., Concordia College, Moorhead, 1956; M.A., University of Denver, 1959.

VERNON ALFRED UTZINGER, 1950-53, 1957-

Professor of Speech

B.A., North Central College, 1922; M.A., Northwestern University, 1929;
Ph.D., University of Southern California, 1952.

ELEANOR McNEELY WHITE, 1967-

Instructor in Nursing

B.S.N., University of Oregon, 1963; M.S.N., University of California, 1966.

MARGARET D. WICKSTROM, 1951-

Assistant Professor of Religion, Dean of Women

A.B., Augustana College, 1937; M.R.E., The Biblical Seminary of New York,
1951.

JANE WILLIAMSON, 1964-

Associate Professor of Education

B.S. in Ed., University of Maryland, 1943; M.A., New York University,
1947; Ed.D., Colorado State College, 1959.

*RHODA HOKENSTAD YOUNG, 1938-32, 1943-

Associate Professor of Physical Education

Graduate, Pacific Lutheran University, 1935; B.A., M.S., University of
Washington, 1937, 1956.

*DWIGHT HUDSON ZULAUF, 1949-53, 1959-

Professor of Business Administration

B.S., University of Oregon, 1948; M.S., Columbia University, 1949; Ph.D.,
University of Minnesota, 1965.

*On leave, 1967-68



Lecturers, Associate Lecturers and Assistant Lecturers**ANNE LISE ANDERSON**

Royal Conservatory of Music, Denmark. Assistant Lecturer in Music.

HELEN A. BUMGARDNER

B.S., Northwestern University, 1951; M.L.S., University of Washington, 1959. Assistant Lecturer in Education.

DEAN E. CLABAUGH

B.A., University of Illinois; M.A., University of Minnesota. Associate Lecturer in Political Science.

BLOSSOM COHON

B.A., Brooklyn College; M.A., Columbia University. Assistant Lecturer in Music.

JOHN CONANT

B.S., University of Minnesota; M.A., Mexico City College; M.A.T., Colorado State College. Associate Lecturer in Spanish.

IRENE O. CRESO, 1955-56, 1966-

B.S., M.S., University of Puget Sound, 1942, 1947. Assistant Professor of Biology.

RUSSELL W. CROCKETT

B.A., M.Mus., University of Idaho, 1961, 1966. Assistant Lecturer in Music.

JERRY EVANS

B.A. in Music, B.A. in Education, University of Washington. Assistant Lecturer in Music.

JOHN EYRES

B.A., Central Washington State College. Associate Lecturer in Journalism.

CHARLOTTE GARRETSON

B.M., University of Tennessee; M.M., University of Illinois. Assistant Lecturer in Music.

WILLIAM H. GILBERTSON

B.A., University of Puget Sound, 1954; M.S.W., University of Washington, 1956. Associate Lecturer in Sociology.

HAROLD GRAY

B.A., Pacific Lutheran University, 1944; B.Ed., M.A., University of Puget Sound, 1946, 1950. Associate Lecturer in Education.

KAREN HADLEY

B.A., University of Washington. Assistant Lecturer in Music.

MARILYN D. HANNULA

B.A., Pacific Lutheran University. Assistant Lecturer in Business Administration.

THERESA E. HEMMEN

B.S., University of Minnesota. Assistant Lecturer in Nursing.

FRANK C. HODOUS

B.A., University of Puget Sound. Associate Lecturer in Latin.

MARGARET A. KEBLBEK

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B.A. in Ed., Eastern Washington State College, 1936; B.A., University of Washington, 1945. Assistant Lecturer in Education.

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B.M., Oberlin College, 1940. Assistant Lecturer in Music.

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B.M., University of Oregon. Assistant Lecturer in Music.

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B.A., University of Puget Sound, 1959. Assistant Lecturer in Business Administration.

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B.A., University of Puget Sound; M.A., University of Washington. Lecturer in Education.

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B.A., M.A., University of Montana, 1960, 1961. Associate Lecturer in Economics.

ESSEY WOLFROM

B.A., M.S.W., University of Washington. Associate Lecturer in Sociology.

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B.A., Pacific Lutheran University, 1967. Assistant Lecturer in French.

Library**FRANK HAMILTON HALEY, 1951-***Librarian*

B.A., Willamette University, 1935; B.D., Drew University, 1945; A.B.L.S., University of Washington, 1950. Further graduate study, Drew University, University of Cambridge, University of Zurich.

MIRIAM RUTH BECKMAN, 1964-*Natural and Social Sciences Librarian*

B.A., University of Puget Sound, 1928; M.A., Boston University, 1933; M.Lib., University of Washington, 1964.

EDWARD L. WHITTAKER*Reference Librarian*

B.S., Murray State College, 1959; M.A.L.S., University of Michigan, 1963.

EMERITI

OTTILIE ELISE LITTLE, 1916-51, 1952. *Professor Emeritus of German*, 1966

A.B., University of Illinois, 1923; M.A., University of Washington, 1926; Ph.D., Hanseatic University, Hamburg, Germany, 1937.

ELINE KRAABEL MORKEN, 1953. *Associate Professor Emeritus of Nursing*, 1967.

B.A., St. Olaf College, 1928; R.N., Emanuel Hospital School of Nursing, 1931; M.N., University of Washington, 1962.

MAGNUS NODTVEDT, 1947. *Professor Emeritus of History*, 1963

B.A., St. Olaf College, 1917; A.M., Columbia University, 1920; B.Th., Luther Theological Seminary, 1925; Th.M., Princeton Theological Seminary, 1928; Ph.D., University of Chicago, 1950.

ANDERS WILLIAM RAMSTAD, 1925. *Professor Emeritus of Chemistry*, 1961

B.A., St. Olaf College, 1911; Cand. Theol., Luther Theological Seminary, 1918; M.S., University of Washington, 1936; further graduate study, University of Washington; L.H.D., Luther College, 1960.

KELMER NELSON ROE, 1947. *Associate Professor Emeritus of Religion, Greek*, 1967

B.A., Luther College, 1925; B.Th., Luther Theological Seminary, 1928; M.Th., Princeton Theological Seminary, 1929.

JOSEF EMIL RUNNING, 1948. *Assistant Professor Emeritus of Mathematics*, 1961

B.A., St. Olaf College, 1916; M.A., University of Minnesota, 1941.

PAUL G. VIGNESS, 1956. *Associate Professor Emeritus of Religion and History*, 1965

B.A., St. Olaf College, 1918; M.A., Ph.D., Stanford University, 1924, 1930.



FACULTY COMMITTEES 1967-68

The first-named member of each committee is the chairman. The President is an advisory member of all committees.

ADMISSIONS: DeBower, Doughty, Severtson. Advisory members: Leasure Langevin, Danielson, Moe, C. Anderson.

ARTIST SERIES: Bassett, Newnham, Nordquist. Advisory members: Moe, Skones, Utzinger.

ATHLETICS: Huestis, Klopsch, Pattie. Advisory members: Buchanan, Nordquist, Broeker.

COMMITTEE ON COMMITTEES: Farmer, Blomquist, A. Knudson, Leraas, Nordquist.

COMMITTEE TO PROMOTE GRADUATE STUDIES: Bexton, Johnston, Tobiason. Advisory members: Langevin, Anderson, Moe.

EDUCATIONAL POLICIES: Eklund, Bexton, Jones, A. Pederson, Skones, Spangler. Advisory members: Langevin, Anderson, Moe.

FACULTY WELFARE: Akre, Culver, Jones.

FINANCIAL ASSISTANCE: Stintzi, Holmberg, Davis. Advisory members: Buchanan, Danielson, VanBeek

LECTURE AND CONVOCATION: Blomquist, Pederson, Karl, Nordholm. Advisory members: Langevin, Leasure, Larsgaard, Dalton

LIBRARY: Giddings, Martinson, Williamson. Advisory members: Haley, Langevin, Anderson, Moe

PUBLICATIONS: Huber, Williamson, King. Advisory members: Langevin, Nesvig, Anderson, Moe

RELIGIOUS ACTIVITIES: Reigstad, Arbaugh, Huber. Advisory members: Eklund, Larsgaard

SOCIAL: Alseth, Strickland, Chase, Durham, Pattie. Advisory member: Dougherty

STANDARDS: Schiller, Chase, Adams, Gilbertson, Olsen. Advisory members: Leasure, Sandler, Wickstrom

STUDENT ACADEMIC STATUS: Fletcher, L. Johnson, Utzinger. Advisory members: Langevin, Buchanan, Leasure, Anderson, Moe, Sandler, Wickstrom

STUDENT ACTIVITIES AND WELFARE: Doughty, W. Peterson, Govig. Advisory members: Leasure, Sandler, Wickstrom

STUDENT PUBLICATIONS: Reisner (student), Christopherson, Johnston, Schnackenberg. Advisory members: Stenersen (ASPLU Pres.), Nesvig, Editors and Faculty Advisers of all student publications.

Statistical Summary

ENROLLMENT—Spring, 1967	Men	Women	Total
Graduates	300	338	638
Seniors	175	159	334
Juniors	200	249	449
Sophomores	266	296	562
Freshmen	277	365	642
Specials	16	22	38
Total	1,234	1,429	2,663

ENROLLMENT—Summer, 1967			
Graduates	232	433	665
Seniors	75	111	186
Juniors	41	72	113
Sophomores	22	27	49
Freshmen	15	12	27
Specials	7	20	27
Total	392	675	1,067

ENROLLMENT—Fall, 1967			
Graduates	269	203	472
Seniors	197	223	420
Juniors	243	251	494
Sophomores	248	300	548
Freshmen	330	480	810
Specials	22	38	60
Total	1,309	1,495	2,804





GEOGRAPHICAL DISTRIBUTION—Fall, 1967

Washington	1,982	Iowa	2
Oregon	318	Michigan	2
California	162	New Mexico	2
Montana	93	Virginia	2
Idaho	39	Kentucky	1
Alaska	38	Massachusetts	1
North Dakota	25	Maryland	1
Minnesota	22	Mississippi	1
Hawaii	18	Wisconsin	1
Colorado	17	China	3
New York	8	Hong Kong	3
Pennsylvania	8	Canada	2
Illinois	7	Kenya	2
Utah	7	Australia	1
New Jersey	6	Denmark	1
South Dakota	6	Germany	1
Arizona	5	India	1
Ohio	4	Jordan	1
Texas	4	Taiwan	1
Indiana	3		
Nevada	3	Total	2,804

RELIGIOUS AFFILIATIONS—Fall, 1967

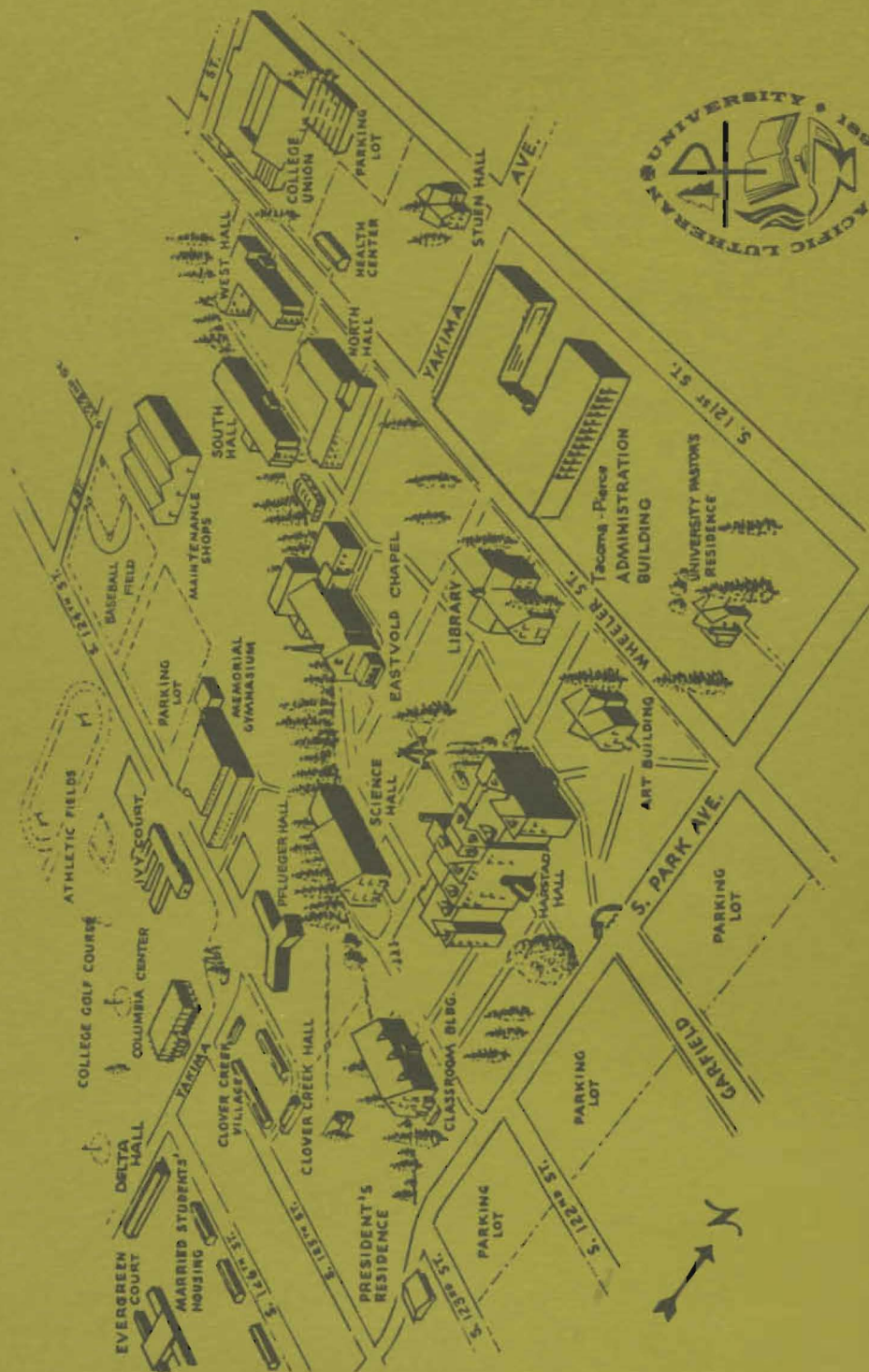
Lutheran		Missouri	159
The ALC	1,207	Unclassified	39
LCA	290	Total Lutherans	1,695
Other Denominations			
Presbyterian	183		
Methodist	182		
Catholic	132		
Episcopalian	98		
Baptist	91		
Congregational	52		
Other affiliations	125	Total	1,109
No affiliation	246	GRAND TOTAL	2,804

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ATHLETIC FIELDS

COLLEGE GOLF COURSE

EVERGREEN COURT
MARRIED STUDENTS'
HOUSING

DELTA HALL

COLUMBIA CENTER

IVY COURT

PARKING LOT

BASEBALL FIELD

MAINTENANCE SHOPS

WEST HALL

COLLEGE UNION

CLOVER CREEK VILLAGES

CLOVER CREEK HALL

PELUEGER HALL

MEMORIAL GYMNASIUM

PARKING LOT

SOUTH HALL

NORTH HALL

HEALTH CENTER

PARKING LOT

PRESIDENT'S RESIDENCE

CLASSROOM BLDG.

HURSTAD HALL

SCIENCE HALL

EASTVOLD CHAPEL

LIBRARY

ART BUILDING

YAKIMA AVE.

STUEN HALL

PARKING LOT

PARKING LOT

PARKING LOT

YAKIMA AVE.

WHEELER ST.

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