

Pacific Lutheran University Bulletin / 1965







*Pacific Lutheran University
Bulletin: Announcements for 1965-66
Catalog for 1964-65*

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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 to 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 a 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 1965-66

Summer Session 1965

Registration begins at 8:30 a.m.	Friday, June 18
Classes begin at 7:30 a.m.	Monday, June 21
First Term ends	Wednesday, July 21
Second Term Classes begin 7:30 a.m.	Thursday, July 22
Summer Session closes	Friday, August 20

First Semester 1965-66

●Orientation days	Sunday, September 12 - Wednesday, September 15
Registration	Monday, September 13 - Wednesday, September 15
Classes begin 7:50 a.m.	Thursday, September 16
Last date for adding a course	Wednesday, September 29
Last date for discontinuing a course without receiving a grade	Wednesday, October 13
Mid-semester	Friday, November 12
Thanksgiving Recess begins 12:30 p.m.	Wednesday, November 24
Thanksgiving Recess ends 7:50 a.m.	Monday, November 29
Christmas Recess begins 10:00 p.m.	Friday, December 17

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Christmas Recess ends 7:50 a.m.	Monday, January 3
Examinations	Monday, January 17 - Friday, January 21
Semester ends	Friday, January 21

Second Semester 1965-66

Registration of new students	Monday, January 24 - Wednesday, January 26
Classes begin 7:50 a.m.	Thursday, January 27
Last date for adding a course	Wednesday, February 9
Last date for discontinuing a course without receiving a grade	Wednesday, February 23
Mid-semester	Friday, March 25
Easter Recess begins 10:00 p.m.	Wednesday, April 6
Easter Recess ends 7:50 a.m.	Wednesday, April 13
Examinations	Monday, May 23 - Friday, May 27
Baccalaureate Service 11:00 a.m.	Sunday, May 29
Commencement 3:30 p.m.	Sunday, May 29

The University

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 and Graduate Studies. The latter includes 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 a Master's degree.

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; Olaf 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 of some 250,000 population. 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 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 27 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, two represent the PLU Alumni Association, and two 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, and the Independent Colleges of Washington, Incorporated. It is approved by the American Association of University Women and by the American Chemical Society.



STUDENT BODY

Approximately 3,000 students will be served by the University during the current school year and summer session. Full-time enrollment each semester is around 1,600. While the majority of the students come from the State of Washington, about 30 states and several foreign countries are represented. When it comes to religious affiliation, the majority are of the Lutheran faith, but some 20 other church groups are represented.

FACULTY

The University has a full-time teaching faculty of 102 persons. There are some 20 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 5,500 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, 2048-yard golf course, tennis courts, athletic fields, and a swimming pool covered with a plastic air house for year around use.

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 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.

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 Library has reading rooms for 200 students, stacks for 85,000 volumes, classrooms and offices. In addition to the main collection of about 79,000 catalogued volumes, there are special collections, rare books and an archival collection of the development of the Lutheran Church in the Pacific Northwest.

The Science 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 2,700 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.

Stuen Hall, a two-story converted residence, houses faculty offices and a laboratory for the department of psychology.

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.

Services

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.

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

The Student Health Center, a converted residence, houses offices for the University doctors and nurses, out-patient treatment areas, and beds for 10 patients.

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

Residence Halls for Men

J. P. Pflueger Hall, completed in 1963, is a three-story building which accommodates 200 students. It has a large formal lounge, a recreation lounge and outdoor recreational facilities. Each wing has two study rooms and laundry facilities.

Delta Hall, similar to Evergreen Court in construction, has 20 units for 40 men. It is an honor dorm for juniors and seniors.

Evergreen Court, a one-story frame complex, houses 69 students. Its 23 units have private baths and individual outdoor entrances. A lounge and self-service laundry are attached.

H. L. Foss Hall, to be completed in summer of 1965, is similar to Pflueger Hall in construction but arranged in 16 man units, each having its own study lounge and carpeted hallway. It will house 188 men.

Ivy Court, a one-story frame complex of three wings, houses 83 students. It has a lounge with kitchen, and a self-service laundry.

Residence Halls for Women

Harstad Hall, a six-story solid brick building completely refurbished in recent years, accommodates 254 students. It has three lounges, a recreation room, self-service laundry and kitchen facilities.

South Hall, a three-story brick and steel building built in 1955, accommodates 130 students. Its facilities include two large lounges with kitchens, two study lounges with small kitchens, a self-service laundry, and accommodations for commuting students.

North Hall, a three-story brick and steel building built in 1955, houses 115 students. Its facilities include two large lounges with kitchens, two study lounges and a self-service laundry.

West Hall, a three-story brick and steel building completed in 1957, houses 122 students. Its facilities include a large lounge with kitchen, two study lounges with small kitchens, and a self-service laundry.

Other Living Units

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

Cramer Cottage is a two-story frame home used as the residence for the pastor of the student congregation. It is located on the corner of Park Avenue and Wheeler 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. This is 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.

ADMISSIONS PROCEDURES

An applicant seeking admission should address a letter to the Director of Admissions requesting the necessary forms. A student planning to enroll for either the first or second semester may submit his application for admission in October of the year preceding enrollment.

The following credentials must be submitted:

1. A formal application. This should be made on the standard three-page form designed for Washington institutions of higher learning. Persons transferring from another college need submit only page one of this form. These forms may be obtained from high school counselors (for those living in Washington) or directly from the Director of Admissions. A ten-dollar fee should accompany the application. This fee is not refundable if a student is accepted. It will be returned if an application is rejected. Checks or money orders should be made payable to Pacific Lutheran University and mailed to the Director of Admissions.

2. Transcript of Credits. For high school students this should include grades for the first semester of the senior year. For transfer students this should include all college courses taken to date.

3. References. Two character and academic references, preferably on the PLU form, should be submitted from educators, pastors, or other qualified persons.

4. College Entrance Examination Board Test. All entering freshmen must take the CEEB's Scholastic Aptitude Test, and specify that the results are to be sent to PLU. Information regarding this examination may be obtained from high school principals or guidance offices, or from the College Entrance Examination Board, Box 1025, Berkeley 12, California.

5. Physical Examination. Prior to registration, a student taking 8 or more hours must take a physical examination given by his personal physician. The form for this examination is sent with the notice of acceptance for admission. Students will not be permitted to register until evidence of the physical examination has been received by the Student Health Service.

6. Deposit. A deposit of \$35.00 is required of all students when they have been accepted for admission. If the student will be living on campus or in University off-campus housing, this fee is considered a room deposit. For students living at home, this is considered an advance payment of tuition. This deposit will be refunded if the student cancels his application before July 1 for the fall semester or before January 15 for the spring semester.

Early Acceptance Policy:

Following completion of his junior year in high school an applicant may be provisionally accepted for admission to Pacific Lutheran University, contingent upon satisfactory completion of his high school course, provided he ranks in the upper 25 percent of his class, and otherwise complies with the admission policy of the University.

Early Admissions Policy:

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

1. He has completed all graduation requirements, except full residence, and ranks in the upper ten percent 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 policy 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 of the course chosen by the student and for which the student 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 the student has successfully completed one semester's work at the University.

3. Credit for courses taken at a junior college are transferable if the course is 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.

Admission to the Division of Graduate Studies

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

Admission as a Special Student

The following persons, upon securing consent of the Committee on Admissions, may be admitted as special students:

1. Mature, competent individuals who wish to supplement their previous education and practical experience with additional formal education, but who do not desire to pursue a degree program.
2. Mature individuals who are ineligible for admission as regular students and who are deemed competent by virtue of their demonstrated ability, or by their practical training and experience, to benefit from the courses they desire to take. Students in this category may apply for admission as regular students after they have successfully removed the deficiencies in their earlier preparation.

Auditors

A regular or special student may audit a course provided he follows the regular registration procedure. An auditor attends classes but may not participate or receive credit. No person may audit a course without being properly registered. This involves the payment of a special fee. Students may not register as auditors in "activity" or laboratory courses.

Honors at Entrance

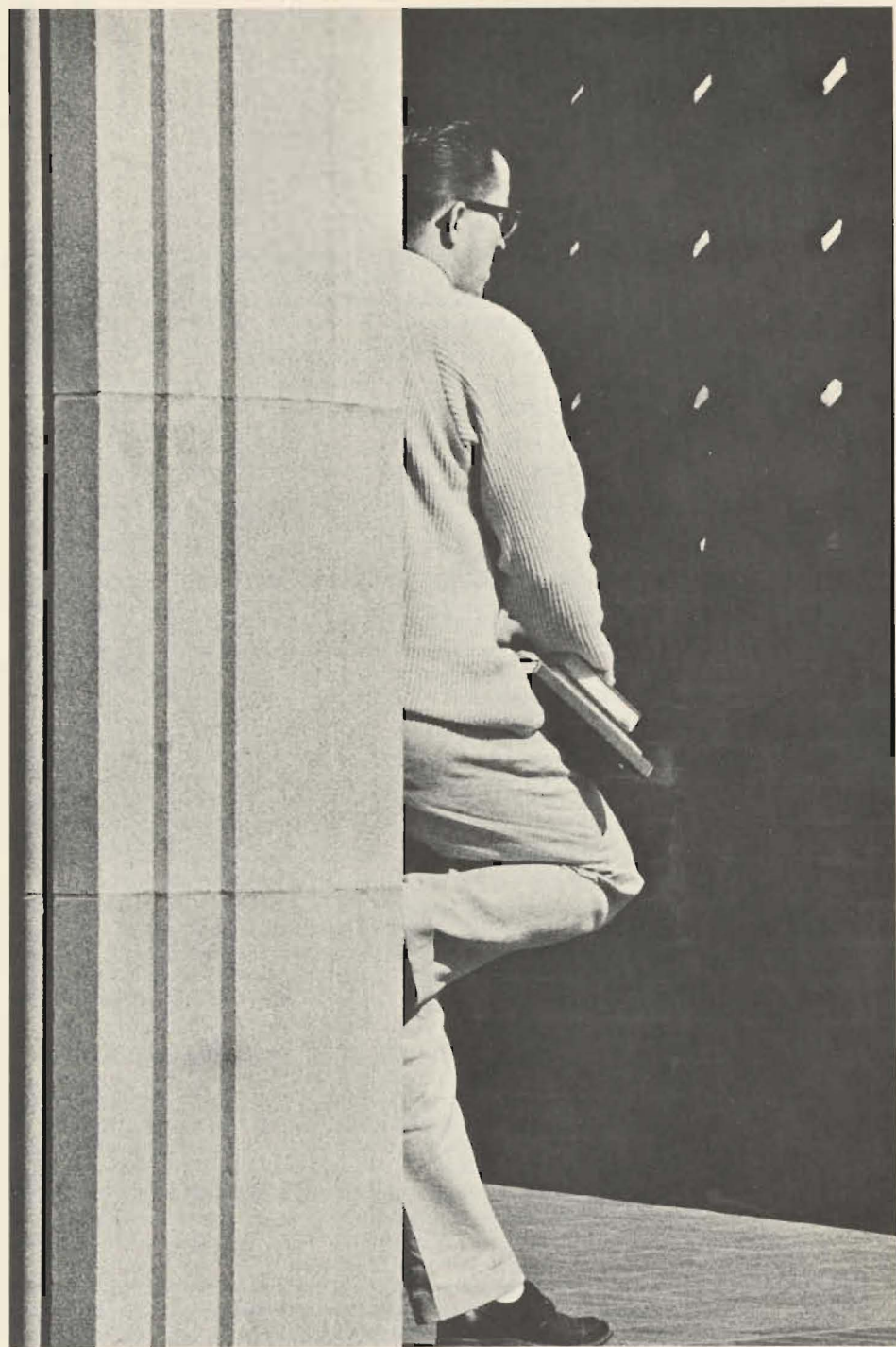
In a coordinated program of making awards by colleges and universities which are members of the College Entrance Examination Board, the University confers Honors at Entrance. Recognition is given for outstanding achievement in high schools and in anticipation of superior performance at the college level.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

Advanced Placement Program

The University will consider the granting of advanced standing and credit in courses taken in high school according to the regulations set up under the Advanced Placement Program of the College Entrance Examination Board. Advanced placement will be granted according to the evaluations made by the Board and upon recommendation of the academic college or school concerned.

When no Advanced Placement Test for a subject exists, or when a department feels that the Advanced Placement Test does not adequately measure mastery of the course for which placement or credit is sought, the University develops appropriate instruments of evaluation.

Advanced placement or credit may be granted to any student without limit, except that those credits obtained by examination may not be applied towards the residence requirements for graduation.



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	450.00
Part-time tuition, per semester credit hour	38.00
(Enrollment for 11 credit hours or less)	
Late afternoon and evening classes (only) per credit hour	30.00
(Applicable only to part-time students)	
Excess credits tuition, above 17 hours, per credit hour	25.00

GENERAL FEES (semester)

General fee, per semester, 8 hours or more	35.00
(Includes support of the following services: Student Body activities, Accident insurance, Health Service, Student Artist Series, Saga (yearbook), and Intercollegiate Athletics.)	
Swimming Pool Construction Fee, per semester	6.00
(Authorized by Associated Students, PLU)	
Matriculation (Paid only by students entering for first time)	5.00

SPECIAL FEES

Audit, per credit hour	20.00
Late registration (applicable on and after the first day of classes)	5.00
Change of registration	2.00
Breakage ticket (chemistry students only)	5.00
Master's Thesis binding charge, per copy	5.00
Placement	5.00
Transcript, first copy free, each additional copy	1.00
Graduate nurse examination	8.00
Nursing, locker fee deposit to be paid in Clinical area (refundable)	1.00
Off-campus Physical Education activities: Bowling	14.00
Skiing	41.00
Beginning Typewriting, non-credit service course	20.00

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
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 \$210.00 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 University Dining Halls during Thanksgiving, Christmas, and Easter vacations.

A deposit of \$35.00 must accompany the application to reserve a room. (It will be refunded if student cancels his reservation before July 1.) The University retains \$10.00 of this deposit as a key and breakage fee and holds \$25.00 as a room deposit until the student graduates or officially withdraws from the University.

A fine of \$5.00 will be levied for all unauthorized furniture or room changes. Room and board are furnished to resident students, per semester, as follows:

Women (1965-66)

Harstad Hall, capacity 254	\$350.00
South Hall, capacity 130	350.00
North Hall, capacity 115	350.00
West Hall, capacity 122	350.00

Men (1965-66)

Pflueger Hall, capacity 200	\$350.00
Foss Hall, capacity 188	350.00
Evergreen Court, capacity 69	340.00
Delta Hall, capacity 40	350.00
Ivy Hall, capacity 83	300.00 to 340.00

Family Apartments

Two bedroom (16 units) inc. water, per month	\$40.00
Three bedroom (8 units) inc. water, per month	45.00
Family apartment deposit	25.00


A deposit of \$25.00 must accompany a reservation for family apartments. This deposit will be held by the University until the occupant vacates the apartment.

One month advance rent for apartments is required.

ESTIMATED COST PER SEMESTER

The following table will aid the students in estimating maximum expenses:

Tuition	\$450.00
Board and room	350.00
General Fee	35.00
Other required fees	6.00
Books and supplies	40.00
	\$881.00



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. Students unable to meet their semester bills in full may elect the following payment plan:

Students residing in the University residence halls pay at least \$400.00 at the time of registration. Students not residing in University residence halls pay at least \$200.00 at the time of registration. The balance is paid in two equal installments on October 31 and November 30 in the fall semester, and February 28 and March 31 in the spring semester.

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 deferred payment plan. In addition the National Bank of Washington of Tacoma also provides both a deferred payment plan and an equal monthly payment plan in cooperation with the University. Details of all loan plans are available from the Director of Admissions or Financial Aid 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	80%
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 in 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 sponsored 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: (1) scholarship, (2) grants, (3) talent awards, (4) loans, (5) part-time employment.

One application, to be made prior to April 1, should be submitted for financial aid, rather than separate requests for scholarships, talent awards, loans or part-time employment. 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.

Scholarships

Annual scholarships range in amount from \$100 to \$900 and are granted to students of high academic achievement who show evidence of financial need. Need is shown by submitting the College Scholarship Service financial need report. These forms are available from the Director of Admissions.

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 attained 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:

Alpha Kappa Alpha Scholarship
Altrusa Club, Tacoma Chapter,
Scholarship
Alumni Scholarship Fund
American Association of University
Women Scholarship
O. A. Brown Fund
Dr. and Mrs. W. B. Burns Fund
Ida A. Davis Fund
The Dr. and Mrs. O. L. Haavik
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
Clara J. Larson Scholarship Fund
Lutheran Brotherhood Legal Reserve
Life Insurance Co. Scholarships
Mu Phi Epsilon, Tacoma Professional
Chapter, Scholarship
Women of Rotary Scholarship
Social Service Scholarship Fund of
the Division of Charities, the
American Lutheran Church
Tacoma Lumbermen's Scholarship
Tuberculosis Association of
Pierce County Scholarship
Women's Auxiliary of Pierce County
Medical Society Scholarship

In any one semester a student may receive only one award or one scholarship from the University.

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 are granted 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 is given by their parents.

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 catalogue, the University has the following restricted loan funds from which assistance is available:

Alumni Association Loan Fund	Lily C. Ekern Fund
American Lutheran Church Women Loan Fund	Marie Huth 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

National Defense Education Act

To assist needy students to obtain a college education, the 1958 Congress enacted the National Defense Student Loan Program. Up to \$1,000 may be borrowed in a school year.

New students will be considered for loans on the basis of their application for financial aid.

Students already in attendance at the University should apply for loans in the Business Manager's office. The necessary forms to establish need must be obtained and submitted.

Student Affairs

Students living in university communities have many responsibilities and privileges in addition to their basic studies. Inability to meet these needs becomes a problem that hinders the student in achieving his primary goal. Concerned that each student shall be given the best possible opportunity to develop his interest and abilities, the University conducts and supports numerous services and activities which supplement the basic courses of study.

ORIENTATION FOR NEW STUDENTS

An orientation program is held for all freshmen and transfer students for three days at the beginning of the fall semester. Students take guidance tests, familiarize themselves with University facilities, and become acquainted with fellow students and faculty. (Conferences are arranged with faculty advisers under whose guidance registration is completed.)





HEALTH AND MEDICAL SERVICES

The Student Health Service, staffed by an administrative head, a medical director physician, a registered nurse, and assistants, supervises all personal and community health problems on the campus.

The general fee, which is required of all students registered for eight 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 on the campus 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 \$1,000.00 for injuries sustained, whether injury occurs during practice or during competition.

All new students, returning students, full-time graduate students 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 procedure (See Admission). This examination report is kept by the Health Service and is available for ready reference by the University doctor and nurse.

Infirmary day care is available on physician's order.

The University does not provide for extended medical care by the University doctors, examination or treatment by specialists. Every assistance will be given, however, in making arrangements for special medical or surgical care; and when practical, the student is urged to avail himself of the services of his family doctor.

TESTING SERVICE

While every student automatically receives assistance from his faculty adviser, the University also maintains a testing service under the supervision of the Director of Testing. This service is responsible for administration and interpretation of the guidance examinations given to all freshmen during Orientation Days as well as other departmental testing programs.

Batteries of tests are available for various professions for those students concerned about their aptitudes and interest as well as general fitness for college training. Evaluations are based on test results and other personal data assembled to assist in solving individual problems such as nature of ability, identification of aptitudes, identification of vocational interests, inventory of personality traits, choice of vocation, and reading habits.

The University is also an approved center for the Miller Analogies Test. This test is often required of potential graduate students by various universities.

The results of these services are confidential and will not be given to anyone except authorized personnel without the permission of the student.

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. The Director of Testing devotes a portion of his time to provide services to students who are veterans.

Those who plan to attend the University under the benefits of the public laws for veterans or for orphans of veterans must secure a certificate of eligibility from the regional office of the Veterans' Administration and present this certificate at the time of registration.

Transfer students who have been using public law benefits should contact their previous institution to obtain eligibility for the new place of training well in advance of the beginning date of classes in order that loss of pay may not result.

In order to obtain full subsistence undergraduate veterans and eligible orphans of veterans must carry fourteen semester hours. Graduate veterans should consult the Director of Testing 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.

COUNSELING SERVICES

Each student is assigned to a faculty adviser who is primarily concerned with the educational guidance of the student. The adviser guides the student in arranging his schedule and assists him in his educational development. The student is encouraged to meet frequently with his adviser.

The Dean of Students, the Assistant Dean of Students, the Director of Testing, and the Student Congregation Pastor are available for special counseling in many areas including social adjustment, dormitory life, financial needs, attendance, and educational and vocational planning.

CLASS AND CHAPEL RESPONSIBILITIES

Regular attendance at classes, convocations and chapel services is a basic educational policy at Pacific Lutheran University. Such attendance is not a behavioral matter. It is assumed that the intellectual objectives of the University cannot be attained without regular class attendance; it is also assumed that the spiritual objectives cannot be attained without the influence of chapel services. A student not in sympathy with such a policy will find it difficult to make a satisfactory adjustment to campus life.

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 a student is careless in regard to attendance, the instructor is expected to notify the office of the Dean of Students or the Assistant Dean of Students in order that remedial action may be taken. Upon recommendation of the instructor a student may be dropped from the course.

A student who misses chapel or convocation is expected to contact the Dean of Students or Assistant Dean of Students within one week and give the reason for the absence. If a student does not accept his responsibility for chapel or convocation attendance, he may be placed on probation for the remainder of the semester. If the student has not assumed his responsibility for attendance by the end of the semester, he will not be permitted to register for the following semester. A student under probation is not permitted to participate in extracurricular activities.

FOOD SERVICE

Students living in residence halls are required to take their meals at one of the dining halls located on the campus. No deductions are made for students who eat fewer than three meals per day at the University or who are absent on week-ends. A charge is made for student guests. Students rooming off the campus may board at the University cafeterias.

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 Dean of Students 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

- ALPHA PHI OMEGA—national service fraternity for university men interested in Boy Scouts of America.
- ASPLU SOCIAL ACTIVITIES BOARD—coordinator of all student activities.
- ASSOCIATED WOMEN STUDENTS, ASSOCIATED MEN STUDENTS—general organizations of which all full-time students become members.
- CIRCLE K—affiliate of National Kiwanis.
- GAVEL CLUB—affiliate of national club.
- INTERNATIONAL CLUB—for students from foreign countries.
- MONTANA CLUB
- OFF CAMPUS STUDENTS—social organization for off-campus students.
- 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—for those interested in political education and partisan activities.

Honorary and Service

- ALPHA KAPPA PSI—national professional business fraternity.
- ALPHA PSI OMEGA—national drama fraternity.
- 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.
- PI KAPPA DELTA—forensic honor fraternity.
- 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.
- SKI CLUB—for students interested in individual or competitive skiing.
- VARSITY ROWING CLUB



Departmental

- AMERICAN CHEMICAL SOCIETY STUDENT AFFILIATE CHAPTER**—a club for students interested in careers in the chemical sciences.
- CURTAIN CALL**—for students interested in drama.
- DEBATE SQUADS**—junior and senior divisions for students interested in intercollegiate competition.
- DELTA IOTA CHI**—for nursing students.
- FRENCH, GERMAN, SPANISH CLUBS**—for students interested in languages.
- KAPPA RHO KAPPA**—for students interested in Greek.
- LINNE SOCIETY**—for biology students.
- PHI EPSILON**—for women students majoring in physical education.
- PSYCHOLOGY, SOCIOLOGY, HISTORY**—for students interested in each study.
- SEA (Rho Lambda Chi)**—local chapter of Student National Education Association.

Musical

- BAND**—a performing concert organization. Various members of this group also participate in the Pep Band which performs at athletic contests.
- CHOIR OF THE WEST**—a cappella choir interested especially in sacred choral music.
- CONCERT CHORUS**—singers interested in a variety of music.
- MADRIGAL SINGERS**—an organization of trained voices singing both sacred and secular music.
- MU PHI EPSILON**—local chapter of National Music Sorority.
- ORCHESTRA**—for students having knowledge of orchestral instruments.
- ORGAN GUILD**—student chapter of American Guild of Organists.

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. 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.

The Lutheran Students' Association, Prayer Service, and College Affiliated Laymen's League (CALL) are also organized under the Student Congregation.

Student Publications

- MOORING MAST**—weekly student newspaper.
- SAGA**—University yearbook.

POLICIES GOVERNING COMMUNITY LIFE

The University admits students with the express understanding that they will cheerfully comply with its rules and regulations in every respect and conduct themselves as Christian ladies and gentlemen. Only such rules have been adopted as have been found necessary for the promotion of the highest welfare of the students.

Students are expected to employ their time to the best advantage and to avoid activities which might interfere with legitimate class work. Smoking by women is not in harmony with the policies of the University. Gambling and the use of intoxicating liquors are strictly forbidden.

AUTOMOBILES

The use and possession of automobiles 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 while attending the University must register with the Dean of Students office for 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 Assistant Dean of Students. 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 Assistant Dean of Students and the Social Activities Board.

PLACE OF RESIDENCE

Each student must fill out the Place of Residence Form. Upon receipt of this form the Student Placement Card, required of each student to complete registration, is then issued. This card also serves as a temporary meal ticket for the boarding club student.

Students not living at home, with close relatives, or working for board and room are required to live in residence halls on campus. If students cannot be accommodated in the dormitories, the University, not the student, will make the necessary provisions.

ROOM ASSIGNMENTS

Application for a room should be submitted as early as possible but not before admission to the University has been confirmed. Priority for choice of residence hall is established by the date of receipt of the room deposit. (See Page 18). The room reservation will be automatically canceled if a student has not arrived by the day prior to the beginning of classes. Any room changes must be approved by the Director of Housing.

The University dormitories will not be open for occupancy during the recess periods announced in the catalog, or in advance of the opening date, except by advance arrangements and payment of a special fee. The University reserves

the right to use the dormitory rooms during the recess periods for conventions or similarly scheduled meetings, if it is necessary.

The dormitories open on Sunday of orientation week and close at 6:00 p.m. the day following the last scheduled examination or the beginning of a holiday recess.

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

On a date to be announced, students currently enrolled who plan to register for the next school year may make their room reservations. After that date all reservations, including those of new students, will be assigned in the order of receipt of application.

HOUSING FOR MARRIED STUDENTS

The University maintains twenty-four apartments on campus for married students. Eight 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 \$25.00 deposit must accompany the application. These applications are processed according to the date they are received.

RESIDENCE HALLS

The University maintains nine residence halls for students over which the Dean of Students and the Assistant Dean of Students have general supervision. All students registering for rooms in any of the residence halls are required to continue residence in that hall for the year (two semesters).

The majority of the residence halls have double rooms with a limited number of single and triple rooms. Mattress pads and bedspreads are furnished in all halls; draperies are provided in all except Harstad which has venetian blinds. All dormitory 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. The use of electrical appliances—except radios, clocks, reading lamps, record players, hair dryers, typewriters, heating pads, sewing machines, and shavers—must have the approval of the Office of Student Affairs. Use of electric blankets, irons, and television sets is not allowed in the rooms.

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 prorated among the group within the hall and deducted equally from the breakage fee of each resident at the close of the school year. 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. If the room has been approved by the Office of Student Affairs and the Residence Hall Room Card turned in to the Business Office before July 1, the deposit is returned. (*See page 18, Board and Room, for details.*)

Summer Session

The Summer Session consists of two four and one-half 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 catalogue 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.

New students, freshmen or transfers, may be invited to come to the campus to register during the summer, prior to the dates announced in the school calendar. Regular faculty members and 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.

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 17 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 registration slip from the registrar.
2. Obtain signed approval of (a) the teacher whose class is being dropped, (b) the adviser, (c) the dean of the college in which the student is enrolled, (d) the registrar. In some cases the teacher of the class being added will be asked to give approval.
3. Take the signed slip to the business office and pay the \$2.00 change of registration fee.

The student is responsible for completing the above steps within a week after obtaining the change slip.



WITHDRAWALS

A student wishing to withdraw from the University must secure a withdrawal slip from the registrar's office and get the approval of the dean of the college concerned. 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, superior; B, Good; C, average; D, passing; 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 maintain the minimum grade point average according to the following scale: 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 extracurricular 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.

Participation in intercollegiate athletics is governed by the code of the Pacific Northwest Intercollegiate Athletic Conference.

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.

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.

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.



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 and Graduate Studies (School of Business Administration, School of Education, School of Fine and Applied Arts, School of Nursing, 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 requirement 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 earned in the junior and senior year is required.

Courses Required in All Curricula

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

1. English Composition and Literature—9 hours

Composition 101, 102 (6 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, 102, 218, 302, 318, 321, 322, 404.

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—8 hours

Religion 101 is required of all freshmen; two courses must be completed from 112, 201, 202 by the end of the sophomore year; with the remaining course to 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, 324, 411, 414, or 427.



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 field of concentration. Requirements for a major and/or a field of concentration are outlined by the individual college or school concerned. A major shall include a minimum of 24 semester hours with at least 12 hours in upper division courses, 6 hours of which must be taken during the senior year.

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences, the heart and center of the University, desires to provide the educational experiences through which the student may receive a broad, general preparation for life, secure a sound basis for professional training, or acquire a specific knowledge and skill for service in a chosen field. It is the purpose of this college to bring the often repeated terms "liberal" and "professional," or "vocational," into mutually helpful relation to each other.

Degrees Offered

Courses leading to the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Science in Medical Technology are offered by the College of Arts and Sciences.

Course Requirements

Candidates for the Bachelor of Arts and Bachelor of Science degrees must meet the general University course requirements described in the preceding pages. In addition to courses required in all curricula, candidates must have a minimum of 14 semester hours of classical or modern language in high school and college combined. Students who present less than two units in one classical or modern language must meet the requirement by completing the first and second year (14 hours) in the same or another language. Students presenting two or three units from high school are required to earn six credits (second year) in the same language or fourteen hours in another language. Four units in one language in high school will satisfy the requirement.

The science requirement may be satisfied by one of the following: Biology 121, 122; Chemistry 109, 110; Geology 101, 102; Physics 109, 110 or 151, 152.

Major Requirements

A major is a sequence of courses within one department. The selection of the field of major concentration must be made by the end of the sophomore year. The choice must be approved by the chairman of the department and

the dean of the college. The general minimum requirements, as well as the selection of supporting subjects required, are determined by the department concerned.

At least 12 hours of the work for a major must be taken in the junior and senior years. Six hours of the major must be taken in the senior year. The quality of work must be "C" or better. Any student receiving a grade of "D" may count the credit toward graduation but not toward the major.

The subjects recognized as major areas in this college are biology, chemistry, classical languages, economics, English, French, general science, German, health and physical education, history, mathematics, philosophy, physics, political science, psychology, religion, and sociology. Students planning to earn a Bachelor of Arts degree with a major in art, music, or speech register in the College of Arts and Sciences. Not more than 40 semester hours earned in one department of study may be applied toward the bachelor's degree in the College of Arts and Sciences.

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.

Suggested Freshman Program*

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Engl 101 Composition	3		Engl 102 Composition	3	3
Foreign language	3 or 4		Foreign language	3 or 4	3 or 4
†Rel 101 Life of Jesus	2		Science (a year course)	4	4
Science (a year course)	4		Social science or mathematics	3 or 4	3 or 4
Social science or mathematics	3 or 4		Elective	3	3
PE activity	1		PE activity	1	1
		16 or 18			15 or 16

*A student planning to complete requirements for the Bachelor of Science degree should follow the outline given under his major in the section, *Courses of Instruction*.

†May be taken the first or second semester.

Each student normally completes the majority of the general course requirements in the freshman and sophomore years. Exceptions usually occur in the case of students interested in a program leading to the Bachelor of Science degree. Science students should confer with the departments in the Division of Natural Sciences for information regarding recommended science sequences.

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).

The Registry recommends a course in physics (e.g., Physics 151, 152), and this could be taken during the junior year.

Medical Technology Curriculum

<i>Freshman Year</i>	<i>Hrs.</i>	<i>Sophomore Year</i>	<i>Hrs.</i>
Chemistry 109, 110		Biol 121, 122 General Biology	8
Physics	8	Chem 112 Organic Chemistry	4
Engl 101, 102 Composition	6	Foreign language 201, 202	6
¹ Foreign language 101 102	8	² Religion requirement	2 or 4
Math 131 College Algebra	3	Social Science requirements	9
² Religion requirement	2 or 4	PE activity	2
Elective	3		31-33
PE activity	2		
	32-34		

<i>Junior Year</i>	<i>Hrs.</i>	<i>Senior Year</i>	<i>Hrs.</i>
Biol 201 Microbiology	4	Specialized technical training	30
Biol 231, 371, or 441	7 or 8		
Biol 411 Histology	4		
Chem 321 Quantitative Analysis	4		
Fine arts requirement	3		
³ Literature requirement	3		
³ Philosophy requirement	3		
² Religion requirement	2		
³ Social science requirement	3		
	34		

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

²See page 37 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.

PROGRAMS FOR CAREERS

Preparation for Engineering

In line with the trend to augment engineering education with a liberal arts background, the University offers, in cooperation with certain affiliated universities, a 3-2 program of liberal arts and engineering. A student will spend three years on campus. If his work is of satisfactory grade and if he has satisfied all the specific requirements of both schools, he may be recommended to one of the cooperating engineering schools (Oregon State University, Stanford University, or the University of Denver) for the completion of his engineering course. At the end of his first year of engineering (and completion of 128 credits) he will be eligible for the B.A. or B.S. degree from Pacific Lutheran University. At the end of his second year of engineering he should receive his engineering degree from the affiliated university.

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 three semesters of high school algebra, one year of geometry, 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 Schedule of Courses

<i>Freshman Year</i>		<i>Hrs.</i>	<i>Sophomore Year</i>		<i>Hrs.</i>
Art 110 Introduction to Visual Arts		3	G E 151, 152 Engineering Drawing and Descriptive Geometry		4
Chemistry 109, 110 Chemistry- Physics		8	Social Science elective		6
Engl 101, 102 Composition		6	Math 201, 202 Analytic Geometry and Calculus		6
Math 112 Trigonometry		2	Physics 151, 152		8
Math 131 College Algebra		3	†Religion requirement		4
Math 200 Analytic Geometry and Calculus		4	Elective		2
†Religion requirement		2	PE activity		2
Elective		2			
PE activity		2			32
		<hr/>			
		32			

Junior Year

Econ 300 General Economics	3	Science electives	11-14
Literature elective	3	Social science electives	3
Philosophy requirement	3	Speech 101 Fundamentals of Speech	3
Phys 342 Mechanics	4		
†Religion requirement	2		<hr/>
			32-35

†See page 37 for requirements in religion.

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 additional 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.

Preparation for Medicine and Dentistry

Students desiring to enter the medical or dental professional fields should plan to devote not less than three years and preferably four years, of study at this institution to secure the broad educational background indispensable to a successful professional career. The professional schools in these fields require a thorough preparation in science. They also recommend extensive study in other departments, 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 to 17 hours per semester</i>		<i>Hrs.</i>
¹ Chemistry 109, 110 Chemistry-Physics	.....	8
Chemistry 132 Chemical Principles	.....	1
Biology 121, 122 General Biology	.....	8
Mathematics 131 College Algebra, Math 112 Trigonometry or Equivalent	.....	5
English 101, 102 Composition	.....	6
†Religion requirement	.....	6
Physical Education—each semester	.....	4
² Foreign Language*	.....	14 or 6
Social Science requirements	.....	9
Chemistry 203, 204 Organic Chemistry†	.....	8
Biology 231 Genetics‡	.....	3

¹ Students who have taken high school chemistry and are eligible to take Math 131, and students who have had the equivalent of Math 131 may register for chemistry; those who do not meet the qualification should register for biology during their freshman year.

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

*Sequence of these courses may vary to meet student's need.

‡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 321—Quantitative Analysis	..... 4
Chemistry 302—Biophysical Chemistry	..... 4
Physics 151, 152—Essentials of Physics	..... 8
Philosophy requirement	..... 3
†Religion requirement	..... 2
Fine Arts—elective	..... 3
English Literature—elective	..... 3
Social Science—electives	..... 3
Electives	..... 18

†See page 37 for requirements in religion.

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 Assistant to the Dean of Students.

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 and some basic work in biology. 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, a student is urged to supplement his program with additional courses in English, social sciences, speech, and classical and modern languages. A faculty adviser will assist the student in the selection of courses necessary to meet the requirements of the theological school of his choice.

COLLEGE OF PROFESSIONAL AND GRADUATE STUDIES

This college embraces the Schools of Business Administration, Education, Fine and Applied Arts, and Nursing and the Graduate Division. Students who desire to prepare for professional work in such fields as business, public school teaching, art, speech, music and graduate studies leading to the Master's degree in education enroll in this college. Opportunity is given for professional specialization, and students also benefit from studies in the arts and sciences. The degrees offered and the requirements for each degree are outlined in this section.

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 225, 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 1½ 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 foreign language.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in Business Administration should refer to page 55 under ACADEMIC PREPARATION.

Professional Requirements

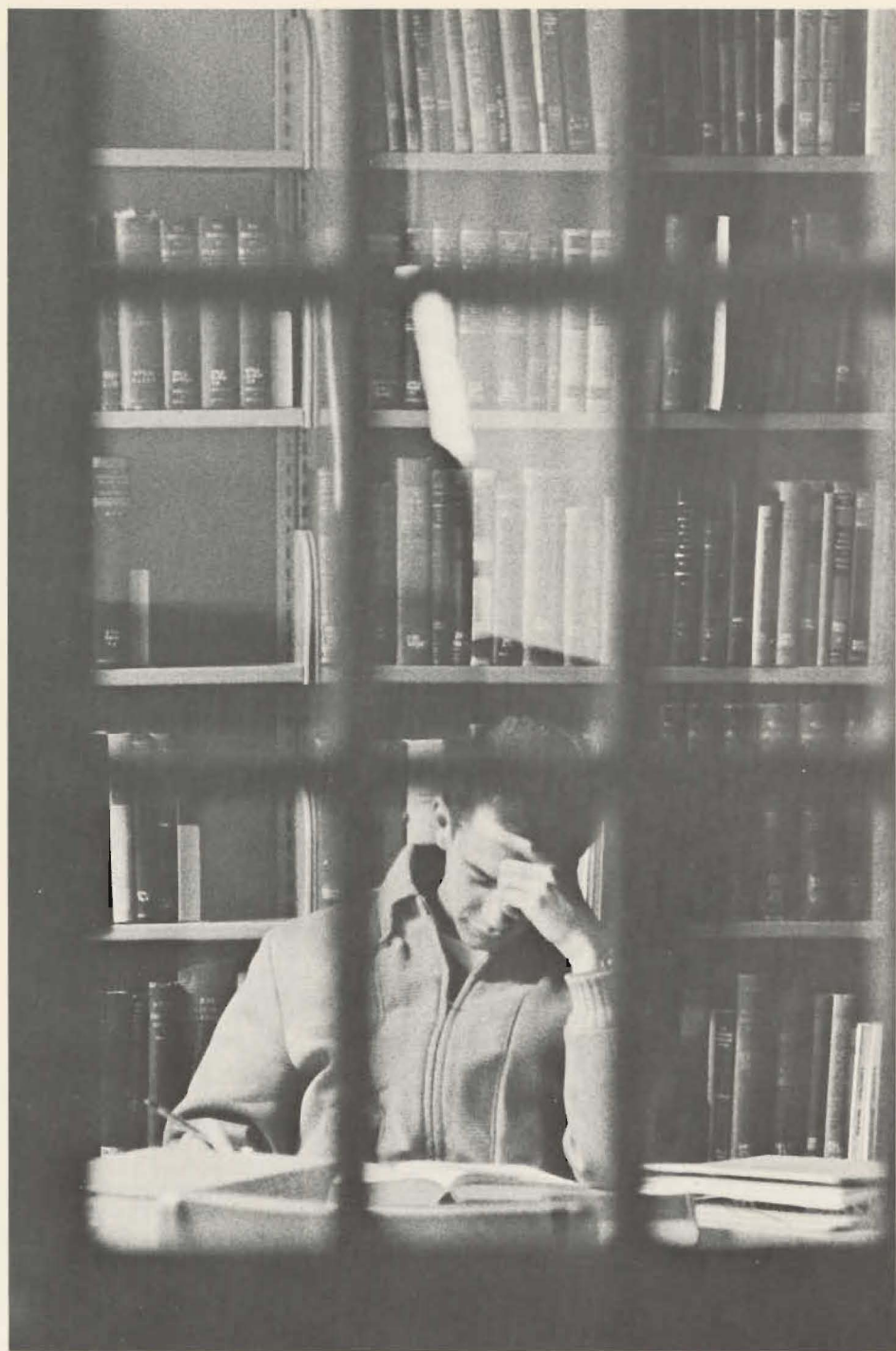
1. *Professional core curriculum:* The following courses are to be completed after admission to the School:

B A 211 Financial Accounting	B A 364 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 452 Business Policy
B A 354 Office Management	B A 491 Business Law

One course from the following group is required:

B A 301 Intermediate Economic Analysis	B A 361 Money and Banking
B A 331 International Trade	B A 362 Public Finance

2. *Business electives:* At least one course in addition to those presented to meet the professional core requirements must be completed in the School. These courses must be chosen with the aid of the student's adviser.
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.
- (c) Fifteen hours must be elected from among recommended supporting subject areas.

Curriculum of Business Administration

<i>Freshman Year*</i>		<i>Hrs.</i>	<i>Sophomore Year</i>		<i>Hrs.</i>
Econ. 101, 102 Principles of Economics		6	B A 211 Financial Accounting ..		4
Engl 101, 102 Composition		6	B A 212 Managerial Accounting ..		3
Social Science elective (Psychology recommended)		3	Literature elective		3
†Religion requirement	2 or 4		†Religion requirement	2 or 4	
Fine Arts elective		3	Social Science elective		3
Science (a year course)		8	Electives		13
Elective		2	PE activity		2
PE activity		2			30 or 32
		<u>32-34</u>			
<i>Junior Year</i>		<i>Hrs.</i>	<i>Senior Year</i>		<i>Hrs.</i>
B A 352 Production Management		3	B A 452 Business Policy		2
B A 364 Business Finance		3	B A electives		6
B A 371 Marketing		3	Electives		24
B A 441 Statistical Methods		3			<u>32</u>
B A 491 Business Law		3			
Philosophy requirement		3			
†Religion requirement		2			
B A elective		3			
Electives		9			
		<u>32</u>			

*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 37 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 Master 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 counselors, administrators, and supervisory 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:

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, and six weeks prior to registering in Education 202, the student shall 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 earned a cumulative grade point average of 2.25.

2. Have completed successfully the course in Education 202, Introduction to Education.
3. Have completed satisfactorily a series of screening tests including scholastic aptitude, achievement, interest, and personality.
4. Have received approval of speech and voice.
5. Have ideals and personality qualities which make for successful teaching.
6. Have a clearly defined purpose or goal.
7. Have selected a preferred level of preparation and the area or areas of concentration to be followed.
8. Have received approval during an individual conference with representatives of the School. This conference is held after screening tests have been completed and profiles set up.

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. Such a program will normally require a summer and two semesters, or three semesters.

If a student has questions concerning his program in the field of education, he should inquire at the School of Education.

Professional Program as Related to Teacher Certification in Washington

The preparation pattern that leads to standard certification in the State of Washington consists of the following three phases:

1. Pre-service education leading to the Bachelor's degree in education and a provisional certificate.
 - (a) *Provisional Certificate*. This certificate is a temporary (3 to 5 years) license to teach in grades K through 12.
 - (b) *Provisional Elementary Certificate*. This certificate is a temporary (3 to 5 years) license to teach in elementary school grades.
 - (c) *Provisional Secondary Certificate*. This certificate is a temporary (3 to 5 years) license to teach in junior or senior high school.
2. One to five years of initial teaching experience on a full-time basis under the joint supervision of the employing school district and the University.
3. A fifth year of college course work. Thirty semester hours must be completed before the sixth year of teaching. Upon completion of the fifth year of college and two years of successful teaching the Provisional (temporary) Certificates are converted into Standard (permanent) Certificates at the same level or levels.

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 residence *after his first year of teaching* and before beginning the third year. Thirty hours must be completed before beginning the sixth year of teaching.

If the first teaching is for a part of a year only, study taken the next summer may be applied with permission of the department.

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.

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 or Psychology 473, Introduction to Counseling.
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 institution.

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.
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 School and meet the requirements outlined by that School. Candidates should see the course requirements as set forth in the **Master of Arts brochure.

**Details of the program are available at the University upon request.*

***Available at the University upon request.*

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, must be included in the twelve hours required in social sciences.
2. The eight-hour science requirement should be met by completing Science 121 and 122. Exceptions may be made in the case of students preparing to teach science in Junior and Senior high school. A year course in one laboratory science may be substituted by those who have adequate high school background in the other sciences.
3. A student must demonstrate competence in 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.
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.

PROFESSIONAL COURSES

Requirements

1. Education 202, Introduction to Education: 3 hours

This course may be taken during the second semester of the sophomore

year or later. (A cumulative grade point average of 2.25 and C grades in English 101, 102 and Psychology 101 are minimum requirements for registration.)

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 or	
Education 314—Teaching of Reading-Junior and Senior High	2 hrs.
Education 463—Student Teaching (at preferred level)	9 hrs.

Students wishing to qualify for certification on both the elementary and secondary levels should register for Education 461.

3. 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 202, 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.

(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 the elementary and secondary levels will register to 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.

A successful experience in student teaching is vital to the student's success. It is therefore recommended that the student carry not more than fifteen

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.

Teaching Areas

1. Business Education.
2. Fine and Applied Arts—including art and 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.

ACADEMIC PREPARATION

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 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), 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 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 and general science) and mathematics, and social sciences.

Preparation for Elementary School Teaching: 48 hours

A student preparing for Elementary School teaching normally must complete a minimum of 24 semester hours in a major *area*, with not more than 16 in any one department, and two area minors consisting of 12 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.

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 110, 111, 112, 210, 213, 215, 218, 231, 411, 412, 421, 440a and electives to complete requirements.

Junior High School Preparation: 45 hours

Teaching Major: 28 hours

Required: Art 110, 111, 112, 210, 213, 215 or 231, 218, 411, 412, 440a, plus four hours of electives to total 28 hours.

Teaching Minor: 17-21 hours

Required: Art 111, 213, 218, 411, 412, plus 4-8 hours of electives to total 21 hours.

Elementary School Preparation: 48 hours

Teaching Major: 24 hours

Required: Art 111, 213, 218, 411, 412, plus 11 hours of electives to total 24 hours.

Teaching Minor: 12 hours

Required: 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 121, 122, and nine hours of upper division biology courses.

Suggested supporting courses: Chemistry 109, 110; 132; Mathematics 131; and electives from the following: Geology 101, 102; Chemistry 203, 204; Physics 151, 152.

Junior High School Preparation: 45 hours

Teaching Major: 24-28 hours

Required: Biology 121, 122 and 16 to 20 hours in Biology approved by the department.



Suggested supporting courses: Chemistry 109, 110 or 132; General Science 122; Mathematics 131.

Recommended: Physics 151, 152 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 121, 122.

Suggested supporting courses: Chemistry 109, 110; General Science 122.

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

Required: Business Administration, 103, 142, 211, 212, 241, 273, 340, 391, 440b. Economics 101, 102 are prerequisites to the courses above.

Suggested supporting courses: **One of three areas of emphasis:** (1) Secretarial: **Business Administration** 245, 246, 342, plus six hours of business electives; (2) **Accounting:** **Business Administration** 311, 313, 315, plus six hours of business electives; (3) **Economics:** Economics 301, 302, plus nine hours of electives.

Chemistry

Senior High School Preparation: 45 hours

Teaching Major: 30 hours

Required: Chemistry 109, 110, 203, 204, 311, 312, 321, 422.

Prerequisite:* Mathematics 112, 131, 200, 201; Physics 151, 152.

Suggested supporting courses: Biology 121, 122; Physics 382.

Junior High School Preparation: 45 hours

Teaching Major: 24-28 hours

Prerequisite:* Mathematics 112, 131, 200, 201; Physics 151, 152.

Required: Chemistry 109, 110; 203, 204; 311, 312; 314 (321 optional).

Suggested supporting courses: Biology 121, 122; Geology 101, 102.

Teaching Minor: 17-20 hours

Prerequisite:* Mathematics 131.

Required: Chemistry 109, 110; 203, 204; 321.

Elementary School Preparation: 48 hours

Suitable chemistry courses for inclusion in an elementary school teaching major or minor: Chemistry 109, 110; 303, 204; 321 (Mathematics 131 is a prerequisite for this course should it be elected).

***Mathematics 101 or its high school equivalent in instruction is a prerequisite for all chemistry courses as well as for all other mathematics courses.**

Recommended: Eight hours from Physics 151, 152 or Mathematics 101, 112 and/or 131 or Biology 121, 122 or Geology 101, 102.

Teaching Minor: 12 hours

Required: Twelve hours in the area, courses 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 241, 242, 382, 383 or 384, nine hours of upper division electives in English literature and six hours of electives from any other courses listed; (2) English 251, 252, 382, 383 or 384, nine hours of upper division electives in American literature, and six hours of electives from any other courses listed.

Junior High School Preparation: 45 hours

Teaching Major: 27 hours

Required: One of the following programs: (1) English 241, 242, 382, 383 or 384, nine hours of upper division electives in English literature and six hours of electives from any other courses listed; (2) English 251, 252, 382, 383 or 384, nine hours of upper division electives in American literature, and six hours of electives from any other courses listed.

Teaching Minor: 17-21 hours

Required: English 241, 242 or 251, 252; 383 or 384; plus six hours of upper division in the area in which the sophomore survey course was not taken, and three hours of any other course in English except 101 and 102.

Elementary School Preparation: 48 hours

Teaching Major: 24 hours

Required: Twenty-four hours in the department as listed under teaching majors for Senior High Preparation, except English 382.

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 and twelve advanced hours from the following: French 301, 302, 351, 352, 401, 402, 440m.

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: Eighteen hours of approved courses in French.

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.

German

Senior High School Preparation: 45 hours

Teaching Major: 24-30 hours

Required: German 101, 102, 201, 202, 221, 222 and twelve advanced hours from the following: German 301, 302, 335, 336, 411, 412, 440k, 451, 452.

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: Eighteen hours of approved courses in German.

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.

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, 274, 292, 310, 312, 322, 323, 334, 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, 290 (women), 292, 312, 322, 323, 334, 341, 345, 346, 363 (men), 391, 392, 450, 497, and two hours of electives (women) from 274, 342, or 333; Biology 161, 162.

Suggested supporting courses: Psychology, 301, 321, 473.

Junior High School Preparation: 45 hours

Teaching Major: 24-28 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: 12 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: 27 hours

Prerequisites: Math 112 and 131 or equivalent.

Required: Twenty-seven hours of mathematics numbered 200 or above, including Math 200, 201, 301, 321, 341, 453, 454.

Suggested supporting courses: Physics 109, 110 or 151, 152, and ten hours of sciences.

Junior High School Preparation: 45 hours

Teaching Major: 24-28 hours

Prerequisites: Math 112 and 131 or equivalent.

Required: Math 200, 201, 301, 321, 453.

Suggested supporting courses: Physics 109, 110 or 151, 152.

Teaching Minor: 17-21 hours

Prerequisites: Math 112 and 131 or equivalent.

Required: Math 200, 301, 321 and 3 hours selected from Math 201, 341, 453.

Elementary School Preparation: 48 hours

Teaching Major: 24 hours

Prerequisites: Math 112 and 131 or equivalent.

Required: Math 200, 201, 301, 321; 341 or 453.

Suggested supporting courses: Eight hours in a related area.

Teaching Minor: 12 hours

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



Music*Senior High School Preparation: 45 hours*

Teaching Major: 45 hours

Required: Music 111, 112, 211, 212, 221, 222, 341, 342, 440f. Eight hours of private instruction, four of which must be in piano. Four hours of ensemble must be earned during the junior and senior years. Five hours of upper division music courses are also required.

Junior High School Preparation: 45 hours

Teaching Major: 28 hours

Required: Music 111, 112, 211, 212, 221, 222, 341 or 342, 440f, plus four hours of private study, two of which must be in piano and two hours of choir, chorus, band, orchestra, madrigal singers, or chamber ensemble plus two hours of electives to total 28 hours.

Teaching Minor: 20-21 hours

Required: Music 101, 120, 341 or 342, 340 or 440f, plus four hours of private study, two of which must be in piano, and two to four hours of choir, chorus, band, orchestra, madrigal singers, or chamber ensemble. In addition, one hour of voice class and one hour of instrumental laboratory is required.

Elementary School Preparation: 48 hours

Teaching Major: 24 hours

Required: Music 101, 120, 341 or 342, 340 or 440f, plus four hours of private study, two of which must be in piano, and two to four hours of choir, chorus, band, orchestra, madrigal singers, or chamber ensemble. In addition, one hour of voice class and one hour of instrumental laboratory is required. Four to six hours of electives to total 24 hours.

Teaching Minor: 12 hours

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

Physics*Senior High School Preparation: 45 hours*

Teaching Major: 25 hours

Required: Physics 109, 110 or 151, 152; 311, 361, 362, and at least one additional laboratory course.

Required supporting courses: One additional course in Chemistry; Mathematics 200,* 201, 202. *Recommended:* Mathematics 311.

Junior High School Preparation: 45 hours

Teaching Major: 24-28 hours

Required: Physics 109, 110 or 151, 152; 311, and at least one additional laboratory course; Mathematics 200,* 201.

*Students who are not prepared to enter Math 200 must take the lower division prerequisites, but credit for these courses will not be counted in the major area.

Political Science*Senior High School Preparation: 45 hours*

Teaching Major: 27 hours

Required: Political Science 101 or 301, 251, 252, 331, plus fifteen additional hours of electives.

Suggested supporting courses: Economics 101; Geography 101; History, 8 hours; Psychology 101; Sociology 101 or 300.

Science (General)

Senior High School Preparation: 45 hours

Emphasis on General Science

Teaching Major: 45 hours

Prerequisite: Mathematics 101 or equivalent.

Required: Biology 121, 122; Chemistry-Physics 109, 110; Geology 101, 102; Physics 311; Mathematics 112, 131, 200.

Emphasis on Earth Science

Teaching Major: 45 hours

Prerequisite: Mathematics 131.

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

Suggested supporting courses: General Science 122; Chemistry-Physics 109, 110; Biology 121, 122.

Recommended: Geology 360 may be substituted for Geology 497, 498; General Science 136.

Junior High School Preparation: 45 hours

Emphasis on General Science

Teaching Major: 24-28 hours

Prerequisite: Mathematics 101.

Required: Biology 121, 122 or General Science 121; Chemistry-Physics 109, 110; Mathematics 112 and/or 131; Geology 101.

Emphasis on Earth Science

Teaching Major: 24-28 hours

Required: Geology 101, 102, 203, 204.

Suggested supporting courses: General Science 122; Chemistry-Physics 109, 110; Mathematics 131.

Recommended: Biology 121, 122; Geology 360; General Science 136; Physics 151, 152.

Emphasis on General Science

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.

Emphasis on Earth Science

Teaching Minor: 17-21 hours

Required: Geology 101, 102, 203, 204, and three to seven hours selected from other general science areas.

Elementary School Preparation: 48 hours

Emphasis on General Science

Teaching Major: 24 hours



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

Emphasis on Earth Science

Teaching Major: 24 hours

Required: Geology 101, 102, 203, 204; General Science 122.

Recommended: Chemistry-Physics 109, 110; or Biology 121, 122.

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, 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, 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 300; Psychology 101.

Speech

Senior High School Preparation: 45 hours

Teaching Major: 24 hours

Required: Speech 101, 104, 250, six hours from 220, 256 or 270 and nine hours of upper division electives.

Suggested supporting courses: One of the following: (1) twenty-one hours in English approved and numbered above 102, or (2) twenty-one hours in a modern or classical language.

Junior High School Preparation: 45 hours

Teaching Major: 24-28 hours

Required: Fifteen to eighteen hours in Speech, plus nine to twelve hours in supporting fields.

Teaching Minor: 17-21 hours

Required: Speech 101, 104, 250, plus nine to twelve hours of electives.

Elementary School Preparation: 48 hours

Teaching Major: 24 hours

Required: Fifteen hours in speech and nine hours in English.

Teaching Minor: 12 hours

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

PROFESSIONALIZED SUBJECT MATTER

Elementary School Teaching

In the area of Professionalized Subject Matter under Elementary School Teaching, a minimum of 12 hours is required.

Art

325 Art in the Elementary School

Education

312 The Teaching of Reading

315 Instructional Materials

319 The Teaching of Arithmetic

413 Science in the Elementary School

414 Social Studies in the Elementary School—open to experienced teachers only

416 Parent-Teacher Conference

423 Language Arts in the Elementary School—open to experienced teachers only

426 Primary Reading—open to experienced teachers only

429 Diagnosis of Reading Problems

442 Speech for the Classroom Teacher

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 Games

342 Problems in Teaching Rhythmics

SUGGESTED SCHEDULE OF COURSES**Elementary School Preparation**

<i>Freshman Year</i>		<i>Hrs.</i>	<i>Sophomore Year</i>		<i>Hrs.</i>
Engl 101, 102 Composition	.....	6	Art 111 Fundamentals of Art or		
†Religion requirement	.....	2 or 4	‡Music 110 Fundamentals of Music	.....	3
Sci 121 Introduction to			Geog 101 World Geography	.....	3
Biological Science	.....	4	Hist 210 The Pacific Northwest	.....	3
Sci 122 Introduction to			Psy 101 General Psychology	.....	3
Physical Sciences	.....	4	†Religion requirement	.....	2 or 4
Social Science electives	.....	6	Educ 202 Introduction to Education	.....	3
PE activity	.....	2	English elective	.....	3
*Electives	.....	8 or 6	PE activity	.....	2
		<hr/>	Electives	.....	8
		32			<hr/>
					32

Junior and Senior High School Preparation

<i>Freshman Year</i>		<i>Hrs.</i>	<i>Sophomore Year</i>		<i>Hrs.</i>
Engl 101, 102 Composition	.....	6	Art or Music elective	.....	3
†Religion requirement	.....	2 or 4	Hist 210 The Pacific Northwest	.....	3
Science	.....	8	Psy 101 General Psychology	.....	3
Social Science electives	.....	6	†Religion requirement	.....	2 or 4
PE activity	.....	2	Educ 202 Introduction to		
*Electives	.....	6	Education	.....	3
		<hr/>	English elective	.....	3
		32	PE activity	.....	2
			§Electives	.....	11
					<hr/>
					32

†See page 37 for requirements in religion.

*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.

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, applied music, music history and literature, theory and composition, 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 sixteen 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 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 ART in the section COURSES OF INSTRUCTION.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in Art should refer to page 54 under ACADEMIC PREPARATION.

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

Requirements for a Bachelor of Fine Arts degree with a major in art are 55 credit hours in art. Course requirements for a major in art are Art 110, 111, 112, 210, 213, 215, 218, 231, 411, 412, 421, and additional upper division courses to complete the major requirements.

<i>Freshman Year</i>	<i>Hrs.</i>	<i>Sophomore Year</i>	<i>Hrs.</i>
Art 110 Introduction to the Visual Arts	3	Art 215 Sculpture	2
Art 111 Fundamentals of Art	3	Art 218 Lettering and Layout	2
Art 112 Drawing and Painting	2	Art 231 Oil Painting	2
Art 210 Creative Design	2	†Religion requirement	4
Engl 101, 102 Composition	6	Science requirement	8
Foreign language 101, 102	8	Social science elective	3
†Religion requirement	2	Approved art courses	9
PE activity	2	PE activity	2
Electives	4		32
	32		

†See page 37 for requirement in religion.

<i>Junior Year</i>	<i>Hrs.</i>	<i>Senior Year</i>	<i>Hrs.</i>
Upper division art courses	15	Upper division art courses	15
Literature elective	3	Social science electives	6
Philosophy requirement	3	Electives	11
†Religion requirement	2		
Social science elective	3		
Electives	6		
	<hr/>		<hr/>
	32		32

†See page 37 for requirement in religion.

Speech

The Department of Speech embraces four sections: speech arts, drama, telecommunications, 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 62 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>
Engl 101, 102 Composition	6	Modern language 101, 102	8
†Religion requirement	2	†Religion requirement	4
Music or Art elective	3	Approved speech courses	12
Science	8	PE activity	2
Social science elective	3	Electives	6
Spch 101 Fundamentals of Speech	3		
Spch 104 Fundamentals of Speech Structure	3		
Electives	2		
PE activity	2		
	<hr/>		<hr/>
	32		32
<i>Junior Year</i>	<i>Hrs.</i>	<i>Senior Year</i>	<i>Hrs.</i>
Philosophy requirement	3	Literature elective	3
†Religion requirement	2	Social science elective	3
Social science electives	6	Approved speech electives	15
Approved speech courses	15	Electives	11
Electives	6		
	<hr/>		<hr/>
	32		32

†See page 37 for requirement in religion.

Music

The Department of Music offers curricula leading to degrees of Bachelor of Arts and Bachelor of Music.

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 planning a teaching major in Music should refer to page 60 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) instrumental performance, (b) vocal performance, (c) history and literature, (d) theory and composition.

General Requirements for the Bachelor of Music Degree

Every prospective student will be tested in the areas of musicianship, general performance ability, and, specifically, his ability to play the piano. At the entrance examination in piano the student will be asked to play major and harmonic minor scales, a simple piece by Bach, the first movement of a classic sonata or sonatina, and to read at sight a short piece of average hymn tune difficulty.

A voice major must be a member of an instrumental ensemble, and an instrumental major of a vocal ensemble for at least one year.

Music Curricula

<i>Freshman Year</i>	<i>Hrs.</i>	<i>Sophomore Year</i>	<i>Hrs.</i>
Mus 111, 112 Theory	6	Mus 211, 212 Theory	8
¹ Music, vocal or instrumental lessons	2	Mus 221, 222 History	2
Music ensemble	0	² Mus 243 Woodwinds	1
Engl 101, 102 Composition	6	² Mus 244 Brass and Percussion	1
Modern language 201, 202	6	³ Music, vocal or instrumental lessons	2
[†] Religion requirement	2	Music ensemble	0
Social Science elective	6	Social science electives	6
Elective	2	Science requirement	8
PE activity	2	[†] Religion requirement	4
	32	PE activity	2
			34

A. Instrumental Performance

Junior Year	Hrs.	Senior Year	Hrs.
Mus 350 Piano (Advanced) or Mus 352 Organ	4	² Mus 350 Piano (Advanced) or ² Mus 352 Organ	4
Mus 360 Class Piano or Mus 362 Class Organ	2	Mus 360 Class Piano or Mus 362 Class Organ	2
Mus 311 Modal Counterpoint	2	Mus 411, 412 Form	4
Mus 312 Tonal Counterpoint	2	Mus 423 Classic and Romantic Music	3
Mus 321 Music in the Renaissance	3	Mus 424 Contemporary Music	3
Mus 322 Music in the Baroque	3	Music ensemble	2
Music ensemble	2	Mus 137 Chamber Ensemble	2
Approved music electives	6	Music electives	6
Literature elective	3	Electives	6
Philosophy requirement	3		
†Religion requirement	2		32
			32

¹Students planning to major in vocal or instrumental performance must take two credits a semester. During the first year a voice major will take one hour of piano and one hour of voice each semester.

²Not taken by majors in vocal or instrumental performance.

³Formal recital required during senior year.

†See page 37 for requirement in religion.

B. Vocal Performance

Junior Year	Hrs.	Senior Year	Hrs.
Mus 354 Voice (Advanced)	4	² Mus 354 Voice (Advanced)	4
Mus 321 Music in the Renaissance	3	Mus 423 Classic and Romantic Music	3
Mus 322 Music in the Baroque	3	Mus 424 Contemporary Music	3
Mus 311 Modal Counterpoint	2	Mus 411, 412 Form	4
Mus 312 Tonal Counterpoint	2	Music ensemble	2
Mus 341 Choral Conducting	2	Mus 435 Opera Workshop	4
Mus 135 Madrigal Singers and Vocal Ensemble	2	Music electives	4
Music ensemble	2	Literature elective	3
Mus 150 Piano	2	Philosophy requirement	3
¹ Foreign language	8		30
†Religion requirement	2		
			32



C. History and Literature

<i>Junior Year</i>		<i>Hrs.</i>	<i>Senior Year</i>		<i>Hrs.</i>
Mus 311 Modal Counterpoint	2		Mus 411, 412 Form	4	
Mus 312 Tonal Counterpoint	2		Mus 423 Classic and Romantic Music	3	
Mus 321 Music in the Renaissance	3		Mus 424 Contemporary Music	3	
Mus 322 Music in the Baroque	3		Mus 428 Musicology	3	
Mus 427 Bach	2		Music ensemble	2	
Music ensemble	2		Mus 426 Music in Antiquity and Middle Ages	3	
Mus 350 Piano (Advanced)	2		Music electives	6	
¹ Foreign language	8		Literature elective	3	
Mus 141, 142 Strings	2		Philosophy requirement	3	
Music elective	4				
†Religion requirement	2				32
		32			

D. Theory and Composition

<i>Junior Year</i>		<i>Hrs.</i>	<i>Senior Year</i>		<i>Hrs.</i>
Mus 141, 142 Strings	2		Mus 411, 412 Form	4	
Mus 321 Music in the Renaissance	3		Mus 423 Classic and Romantic Music	3	
Mus 322 Music in the Baroque	3		Mus 424 Contemporary Music	3	
Mus 311 Modal Counterpoint	2		Mus 415, 416 Orchestration	4	
Mus 312 Tonal Counterpoint	2		Mus 342 Instrumental Conducting	2	
Music ensemble	2		Mus 491 Composition	6	
Mus 341 Choral Conducting	2		Music elective	3	
Mus 150 Piano or			Literature elective	3	
Mus 350 Piano (Advanced)	2				30
Mus 491 Composition	5				
Music electives	4				
Philosophy requirement	3				
†Religion requirement	2				
		32			

¹The number of hours required is determined upon the evaluation of the student's needs by the chairman and his recommendation to the Director of the School.

²Formal recital required during senior year.

†See page 37 for requirement in religion.

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 which qualifies the graduates of this school to take the licensing examination. Graduates who pass this examination (Registered Nurse) are qualified to fill first level staff nursing positions in health agencies.



Philosophy and Purpose

The School of Nursing accepts the challenge to prepare professional nurses who recognize and participate in the responsibilities and opportunities for Christian service in nursing. The faculty acknowledges its responsibility to promote high quality professional nursing services for mankind.

The School believes that nursing as a profession should be concerned with the physical, mental, emotional, social and spiritual health of the individual. Therefore, the faculty strives to guide the students to develop a sense of responsibility and to acquire the knowledge and skills for nursing. The preparation of the professional nurse also includes cultural growth through the use of the various disciplines of the University.

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 admissions to the clinical area and periodically thereafter, and are the responsibility of the students. Students should carry personal health insurance while in the clinical program.

Special Fees

In addition to regular university costs, students should be prepared to pay the cost of transportation between the campus and the clinical units, health examination fees and student uniforms (approximately \$70.00).

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 may prepare themselves for beginning positions in professional nursing, and are prepared 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-year high school course in both biology and chemistry, and a minimum cumulative grade point average in high school of 2.5.

Deficiencies will need to be removed prior to enrolling in the four-year course.

To enroll in the clinical nursing courses a student must have a cumulative grade point average for the freshman college year of 2.0; must give evidence of physical, emotional, mental and manual aptitude for nursing; must possess personal attitudes and ideals which are desirable in nursing; and must be approved by the School of Nursing faculty. This approval follows completion of the courses listed under the freshman year in the curriculum.

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. Transferrable credits will be evaluated on an individual basis. The graduate nurse applicant may receive credit for her earlier education on the basis of the policy of the University for Advanced Placement. (See Advanced Placement Program, page 15.)

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, 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 facilities:

GOOD SAMARITAN HOSPITAL, Puyallup, Washington (71 beds)

Paul Teslow, Administrator
Virginia Lovett, R.N., Director of Nursing Service

LAKEWOOD GENERAL HOSPITAL (100 beds)

Harry Sanislo, Administrator
Walter Wilhelm, Assistant Administrator
Ortha J. Noble, R.N., Director of Nursing

MADIGAN GENERAL HOSPITAL (536 beds)

Brig. Gen. Byron L. Stegar, Hospital Commander
Lt. Col. Theresa S. LaPlante, ANC, Chief, Nursing Service

MOUNTAIN VIEW GENERAL HOSPITAL (287 beds)

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

TACOMA-PIERCE COUNTY HEALTH DEPARTMENT

C. R. Fargher, M.D., Director of Health
Edith Mitchell, R.N., Chief of Nursing Division

VETERANS ADMINISTRATION HOSPITAL (American Lake) (904 beds)

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

Curriculum in Nursing Program

<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—two electives from courses 112, 201, 202	.....	4
Chemistry 112 Organic Chemistry	.....	4	Psychology 240 Elementary Analysis	.....	3
Engl 101, 102 English Composition	.....	6	Sociology 101 Introduction to Sociology	.....	3
Nursing 103 Introduction to Nursing	.....	3	PE activity	.....	2
Psy 101 General Psychology	.....	3			32
Religion 101 Life of Jesus	.....	2			
PE activity	.....	2			
		32			
<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 435 Psychiatric Nursing	.....	8	Nursing 436 Public Health Nursing	.....	9
Psychology 301 Human Development	.....	3	Nursing 475 Senior Nursing	.....	10
Religion elective	.....	2	Literature elective	.....	3
Social Science elective	.....	3	Philosophy elective	.....	3
Sociology 430 The Family	.....	3	Elective and/or Independent Study	.....	4
Fine Arts elective	.....	3			32
		32			

DIVISION OF GRADUATE STUDIES**Purpose**

The Division of Graduate Studies is an all-university division coordinating and integrating the work of the undergraduate schools and colleges, which through its various departments provides 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 attained an undergraduate scholastic honor-point ratio of 3.0 during their senior year of college 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 a minimum of 10 semester hours work with a 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 Division of Graduate Studies will be expected to take an admission examination at the University's Office of the Director of Testing and have the results forwarded to the Office of the Director. Further supporting evidence in the form of personal recommendations may be requested.

Students applying for admission to graduate study as *regular status* students should submit the completed application blank (available from the office of the Director of Graduate Studies) plus two official transcripts. This should be done before or during the first session of registration in graduate courses. Approval of admission to the Division of Graduate Studies does not imply admission to candidacy for the degree. All correspondence concerning admission should be directed to the Director of Graduate Studies.

Classification of Students Admitted to Graduate Study

1. Those students approved for unqualified admission to graduate study by their respective graduate committees are granted *regular status*.
2. Students admitted under the provisions of *special status* may include those who wish to pursue course work with no intention of qualifying for an advanced degree, those who are transient registrants and those who fail to qualify for admission to *regular status*.

Assignment to Advisers

Regular status students are assigned the Director of Graduate Studies as their major adviser. The chairman of the department in which the student takes his minor field of concentration becomes the student's minor adviser.

Special status students are advised by the chairman or a member of the student's major department.

Master's Degrees Offered

Master of Arts*

This program of study includes a major concentration in education or a teaching field and a minor completed in one of the departments of the University. For his major the student selects one of the following fields: Elementary or Secondary School Administration, Guidance and Counseling, or Elementary or Secondary Classroom Teaching. Students wishing to minor in departments other than those offered may complete work at another institution if prior approval is given by his graduate committee.

Master of Business Administration*

The purpose of the program is to provide, through education, a foundation for responsible leadership in business.

Master of Natural Science*

This 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 graduate committee composed of the Director of Graduate Studies, two representatives of the college or school offering the major, and the chairman (or his representative) of the department of the

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

minor field. 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's graduate committee.

Regular status students must have their proposed programs of courses approved by their respective graduate committees along with approval of admission 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 both the major and minor.

Research Requirements

As an important part of his Master's program, the student is required to show that he can do independent research. For this purpose he may elect to follow one of two plans: complete a thesis or write two or three research papers. Whichever plan he elects to follow, before embarking on his research, the candidate must present an outline of his proposed research to his 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 graduate committee for its approval. This must be done *at least six weeks* before the awarding of the degree. If the student elects to follow the first plan, the thesis must be written in his major field of concentration. If he follows the second plan, the research may all be done in the major field or partly in the major and partly in the minor.

Under the thesis plan, the student is required to submit two typewritten copies of his thesis (to be bound later), the original for deposit in the University library and the first carbon copy for the Division of Graduate Studies. Under the research paper plan, the student also must deposit typewritten copies of each paper with the Division of Graduate Studies.

Examinations

A written comprehensive examination over the required courses and the major area of concentration, as well as an oral examination on the thesis or research, is required. The written examination is under the direction of the Director of Graduate Studies and must be successfully passed not later than *six weeks* prior to commencement. Examinations in the minor are optional with the department concerned. The oral examination over the thesis or research is under the direction of the graduate 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 as *special status* or *regular status*, as well as credit transferred from another institution, comprehensive examination, thesis, and final oral examination.

Residence Requirement

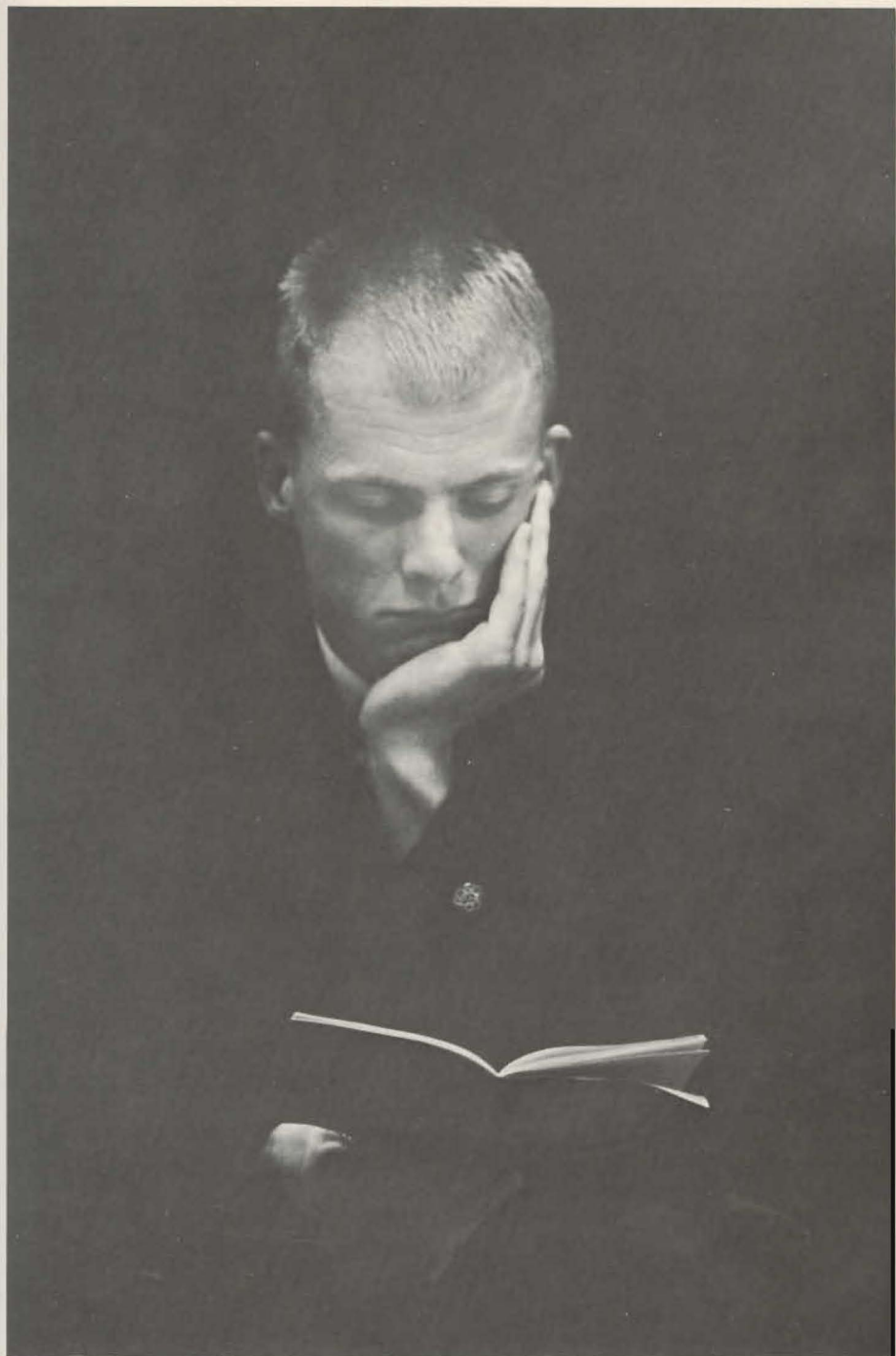
All candidates for the Master's degree must complete a minimum of 24 hours in residence. This requirement may be fulfilled by either one full academic year in attendance or three full summers.



Summary of Procedures for Master's Degree

<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 or during the first session of registration as a <i>regular status</i> student.
Approval of admission, selection of major and minor areas of concentration, and approval of degree program	Graduate Committee, composed of Director of Graduate Studies, Two representatives of School or College of the major, Chairman of department of minor	Before or during first session of registration as a <i>regular status</i> student.
Selection and approval of thesis problem or problems for research papers	Graduate Committee	Not later than the semester before the commencement in which student takes his degree.
Progress reports on thesis or research papers	Adviser	Periodic evaluation and approval.
Registration for thesis or research papers	Registrar's Office	Not later than the last registration dates before the semester in which student takes his degree.
Comprehensive written examination over major	Director of Graduate Studies	During final year but not later than six weeks before commencement in which student takes his degree.
Comprehensive examination over minor where required	Minor Department	During final year but not later than six weeks before commencement in which student takes his degree.
Filing of thesis or research papers	Graduate Committee	During final year but not later than six weeks before commencement.
Final oral examination on thesis or research papers	Graduate Committee	During final year but not later than four weeks before commencement.
Graduation fee and fee for binding thesis	Business Office	During final year but not later than four weeks before commencement.

In order to meet the requirements on a full-time basis a student should plan to attend one full academic year and one summer session. *Students may complete the entire program by attending summer sessions or on a part-time basis during the regular academic year.*



Courses of Instruction

The course requirements for the College of Arts and Sciences and the College of Professional and Graduate 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 freshmen 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.

The student should have his entire program made up of subjects in the division in which he classifies. In exceptional cases second semester sophomore students may be assigned to an upper division course if the prerequisites for the course have been met. In such cases the course cannot be counted toward the 40 hours of upper division courses required.

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*
- (G) *Course may be used on graduate programs as major*

ART

Mr. Roskos, Mr. Elwell, Mr. Kittleson, assisted by Mrs. Engeset

The aim of this department is to offer instruction and guidance to those who desire to give expression to their creative ability in the actual practice of art, to those who wish to study art for its cultural value, to those who plan to teach in elementary, junior or senior high school.

The requirements for the Bachelor of Fine Arts with a major in art are outlined under the School of Fine and Applied Arts in the section, Academic Organization.

Requirements for a major in art for the Bachelor of Arts degree are 27 credit hours including Art 111, 112, 210, 213, 411, 412, 421 and electives to complete requirements. Candidates for this degree are registered in the College of Arts and Sciences.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in Art should refer to page 54 under ACADEMIC PREPARATION.

110 *Introduction to the Visual Arts 3*

An introductory survey course of the visual arts of all times. An approach is made to seeing the products, and understanding the processes, of the artist-painter, sculptor, architect and designer. The survey includes: a review of the artist's materials and terminology, plastic organization, symbol and content, natural forms, and aesthetic criticism. Slide-lecture course and museum field trips, when possible. I II

111 *Fundamentals of Art 3*

This is a course giving the basic fundamentals of art, including a study of proportion, values, composition, perspective, and color theory, which are necessary for creative expression. Media are pencil, charcoal, water colors, and pastel. Six hours laboratory per week. I II

112 *Drawing and Painting 2*

This is a concentrated course of study in the drawing of the human figure, color and composition, and water color techniques. Prerequisite: Art 111. Four hours laboratory per week. I II

210 *Creative Design 2*

Attention is concentrated on the principles of design which are developed through the study of line, mass, color, and space relationships. Four hours laboratory per week. II

213 *Ceramics 2*

A course for beginners in ceramic techniques and methods including modeling, potter's wheel, kiln firing, mold making and basic glaze preparation. I

215 *Sculpture 2*

A course for beginners in the various techniques and methods of sculptural form. II

218 *Lettering and Layout 2*

Principles of lettering and lettering construction followed by layout design and its application to the visual communication and advertising arts. II

231 Oil Painting 2

A course for beginners in oil painting techniques and a study in beginning composition and criticism. I

313 Ceramics 2

Emphasis on individual study of form and design in pottery including an experimental study of the composition of bodies and glazes. I

314 Ceramics 2

Continuation of Art 313. II a/y 1964-65

315 Sculpture 2

Offers concentration in more and varied media and technique. Media are clay, plaster, stone, wood, and welded metals. Prerequisite: Art 215. II

316 Sculpture 2

Continuation of Art 315. II a/y 1965-66

325 Art in the Elementary School 2

A course planned for those who intend to teach art in the elementary grades. Appropriate projects in drawing, design and construction are worked in various media to illustrate the types of work which are suitable to the interests and abilities of these pupils. Prerequisite: Preferably Art 111. Four hours of combined lecture and laboratory. I II

331 Oil Painting 2

Pictorial arrangements of still-life, figure, and landscape work rendered in oils. Emphasis placed on composition, values, color, and brush technique. Prerequisite: Art 231. Four hours laboratory per week. I

332 Oil Painting 2

Continuation of Art 331. II a/y 1965-66

411 History of Art 3

The course is planned to increase the student's appreciation of works of art. A general survey is made of architecture, sculpture, and painting from the pre-classical arts to the arts of the Renaissance. I a/y 1964-65

412 History of Art 3

This course is planned to increase the student's appreciation of works of art. A general survey is made from the arts of the Renaissance to the twentieth century. II

413 Ceramics 2

A continuation of Art 313, 314, with emphasis on the individual student direction and specialization in style and technique. Prerequisite: Art 314, 314. I

414 Ceramics 2

Continuation of Art 413. II a/y 1964-65

415 Sculpture 2

A continuation of Art 315, 316 with an emphasis on individual direction and specialization in the chosen media. Prerequisite Art 315, 316. II

416 Sculpture 2

Continuation of Art 415. II a/y 1965-66

421 History of Modern Art 3

A course in which a comprehensive survey is made of architecture, sculpture and painting from the early nineteenth century to the present. I a/y 1965-66

431 Oil Painting 2

A continuation of 331, 332 with an emphasis on individual student direction and specialization in style and technique. Prerequisite: Art 331, 332. I

432 Oil Painting 2

Continuation of Art 431. II a/y 1965-66

440a Art in the Secondary School 2

A course planned for those who intend to teach in the secondary grades. Four hours combined lecture and laboratory per week. Prerequisite: Art 111 or consent of instructor. II a/y 1965-66

450 Special Problems 2-4

A course planned for advanced students majoring in art who wish to secure greater proficiency in any particular field in which the student feels more training is needed. I II

550 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. Leraas, Mr. Gerheim, Mr. Guilford, Mr. Knudsen, Mr. Ostenson,
Mr. Pattie, Mr. Schamberger*

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 to 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 and Mathematics 131. Strongly recommended courses are Chemistry 203, 204 and Physics 151, 152.

Candidates for the Bachelor of Arts in Education degree, who are planning a teaching major in Biology should refer to page 54 under ACADEMIC PREPARATION.

A major for the Bachelor of Science degree consists of a minimum of 35 hours. Required supporting subjects are Chemistry 121, 122 or Chemistry 131, 132; Chemistry 203, 204; Physics 151, 152; 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. The general course requirements of the College of Arts and Sciences must also be fulfilled.

Curriculum in Biology for the Bachelor of Science Degree

<i>Freshman Year</i>	<i>Hrs.</i>	<i>Sophomore Year</i>	<i>Hrs.</i>
Biol 121, 122 General Biology	8	Biology approved courses	8
Engl 101, 102 Composition	6	Chemistry 109, 110 Chemistry- Physics	8
†Foreign Language 101, 102	8	Foreign language 201, 202	6
†Religion requirement	2	Math 131 College Algebra	3
Social Science requirement	6	†Religion requirement	4
PE activity	2	PE activity	2
	<u>32</u>		<u>32</u>
<i>Junior Year</i>	<i>Hrs.</i>	<i>Senior Year</i>	<i>Hrs.</i>
Fine Arts elective	3	Biology approved courses	12
Biology approved courses	8	Literature requirement	3
Chemistry 203, 204 Organic Chemistry	8	Philosophy requirement	3
Physics 151, 152 Essentials of Physics	8	Social science elective	3
†Religion requirement	2	Approved electives	11
Social Science elective (upper division)	3		<u>32</u>
	<u>32</u>		

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

†See page 37 for requirements in religion.

121, 122 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



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 122 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. II

221 *Biological Techniques 2*

Methods of collecting and preserving biological materials for classroom and research study. Prerequisite: Biology 122. S

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 122 or 162.

242 *Systematic Botany 3*

Historical survey of classification systems; the use of taxonomic keys in the identification of plants. Prerequisite: Biology 122. II a/y 1965-66

272 *General Entomology 4*

Classification and natural history of insects with a strong emphasis on laboratory and field studies and collections. Upper division credit may be earned with additional studies. Prerequisite: Biology 122. II a/y 1965-66

274 *Microtechnique 2*

Principles and practice in methods of preparing histological, embryological and cytological specimens for microscopic study. Prerequisite: Biology 122 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. Prerequisite: Biology 122 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. Prerequisite: 122. I a/y 1964-65

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. Prerequisite: Biology 122; 361 recommended. II a/y 1964-65

344 Plant Physiology 3

Cell physiology pertaining to plants and mineral nutrition, water economy, soils and auxins. Prerequisite: Biology 122. I

351, 352 Natural History of the Pacific Northwest 3, 3

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. Prerequisite: Instructor's consent. 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 122. I

364 Vertebrate Embryology 4

The development of the vertebrate embryo from the germ cell through the embryological states until birth. 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. Prerequisite: Biology 122. I a/y 1965-66

411 Histology 4

A microscopic study of the normal tissues and organs of vertebrates. Two lectures and two laboratory periods per week. Prerequisite: Biology 122.

424 Ecology 4

A study of plants and animals in relation to their environment. Two lectures and two laboratory periods per week. Prerequisite: Biology 122.

434 Applied Physiology 3

The animal's response to chemical, physical and psychological stimuli is explained. Prerequisite: Instructor's consent.

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: Instructor's consent. II

471 History of Biology 2

Fundamental concepts of biology. The rise of scientific thought and method are traced. Prerequisite: Instructor's consent. I

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, may be carried out by qualified students majoring in biology. Prerequisite: Consent of the chairman of the department.

504, 505 Graduate Research 1-3

BUSINESS ADMINISTRATION

Mr. Zulauf, Mr. King, Mr. Peterson, Mrs. Hilbert, Mr. Stintzi, assisted by Mr. Botziger, Mr. Harrington, Mr. Jaenicke, Mr. Schimke, Mr. Stevenson

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. I

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. I

212 Managerial Accounting 3

Accounting systems, records, standards and analysis to facilitate budgeting, control, and decision-making within the firm. II

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 102. I

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. I

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. II

261 Investments 2

Place of investment in economy, risks of investment, financial information, stock markets and brokers, financial analysis, concepts of investment valuation, investment policies, media, and management. Prerequisite: 211. I

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. I, II

313 Federal Income Taxation 3

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

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. II

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. I

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-out, memory devices, peripheral configurations. Familiarization with data processing equipment. I

321 Labor Problems 3

See Economics 321.

331 International Trade 3

See Economics 331.

340 Principles of Business Education 2

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. II

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. II

351 Organization and Management 3

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

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. II

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. Prerequisites: BA 212. II a/y 1964-65

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. II

365 Real Estate 3

Land and buildings, legal forms, real estate market, appraisal, financing real estate, public interest, property development and management, location theory. I a/y 1965-66

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. II a/y 1964-65

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. I

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. I a/y 1965-66

421 Personnel Management 3

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

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. Offered on demand.

434 Government and Business 3

See Economics 434.

440b Business Education in the Secondary School 2

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. I

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 2

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 Public Administration 3

See Political Science 457.

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. I

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. Offered on demand.

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. Offered on demand.

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. I

479 Retailing 3

Physical facilities and requirements; organization and personnel; merchandise policy, selection, buying and pricing, and control; promotion; services; managerial controls in retailing. Prerequisite: BA 371. II a/y 1964-65

491, 492 Business Law 3, 3

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

499 Major Conference 1-4

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

552 Seminar in Management 3

Advanced reading and research in the management functions of planning, organization, and control. Prerequisite: BA 351 or permission of the School of Business Administration. Offered on demand.

599 Independent Research 1-3

Prerequisite: Consent of instructor.

CHEMISTRY

Mr. Anderson, Mr. Giddings, Mr. Gildseth, Mr. Huestis, Mr. Olsen

Chemistry, the study of matter and the changes which matter can undergo, occupies an important position in present day culture. The triad chemistry, physics, and mathematics provides concepts basic to current work not only in the physical sciences but also in the biological sciences, social sciences, and in the manifold fields of engineering. It is in the light of this wide range of present and potential service of chemistry to mankind, service both intellectual and material, that the department offers instruction in chemical science. The department encourages its students to give serious consideration also to the other areas of study which they encounter in this Christian liberal arts institution and which can help them find direction in life.

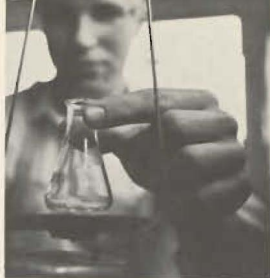
The Department of Chemistry is approved by the American Chemical Society. This approval assures students that the department meets high standards in the area of faculty, facilities, equipment, and library reference materials, and it expedites entry of graduates into the chemical profession.

Students planning to become professional chemists are advised to follow the program leading to the Bachelor of Science degree. To be certified as graduates of a chemical training program meeting the requirements of the American Chemical Society, for this degree, completion of Chemistry 109, 110 or 131, 132; 203, 204; 309; 311, 312; 321; 322; 401; and 422 is required. Three credit hours of work selected from the following courses also must be completed: Chemistry 412; 441, 442; or 451, 452 or Physics 382 (Radioisotope Technology). No more than 40 hours in chemistry may be counted toward graduation. Prerequisites for the above courses include Physics 109, 110 (or 151, 152) and Mathematics 112, 131, 200, and 201. Recommended supplementary courses are Mathematics 202 and 311, Physics 311 and 312, and Biology 121, 122.

A major fulfilling the requirements for the Bachelor of Arts degree consists of a minimum of 24 hours of chemistry courses plus Mathematics 112 and 131, and Physics 151, 152.

The foreign language requirement for either the Bachelor of Arts or Bachelor of Science degree should be fulfilled by the study of German. A year of Russian or French is also recommended.

The Department of Chemistry places great emphasis on its undergraduate research and independent study program (cf. courses 441, 442 and 451, 452), which is conducted both during the academic year and during the summer. In recent years this program, which provides its student participants special opportunities to achieve early professional maturity, has been supported in



large measure by the National Science Foundation. Further information will gladly be supplied by the department.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in Chemistry should refer to page 55 under **ACADEMIC PREPARATION**.

Curriculum in Chemistry for Bachelor of Science Degree

<i>Freshman Year</i>		<i>Hrs.</i>	<i>Sophomore Year</i>		<i>Hrs.</i>
Chemistry 109, 110			Chem 203, 204 Organic Chemistry	8	
Chemistry-Physics	3		Math 201 Analytic Geometry		3
Eng 101, 102 Composition	6		and Calculus		3
¹ German 201, 202			Phys 151, 152 Essentials of		
Intermediate German	6		Physics		8
Math 112 Plane Trigonometry	2		² Religion requirement		4
Math 131 College Algebra	3		¹ Electives		7
Math 200 Analytic Geometry			PE activity		2
and Calculus	4				<hr/> 32
² Religion requirement	2				
PE activity	2				
		<hr/> 33			

<i>Junior Year</i>		<i>Hrs.</i>	<i>Senior Year</i>		<i>Hrs.</i>
Chem 309 Chemical Literature	1		Chem 401 Organic Qualitative		
Chem 311, 312 Physical			Analysis		4
Chemistry	6		Chem 422 Advanced Inorganic		
Chem 314 Physical Chemistry			Chemistry or		3
Laboratory	2		Chem 322 Instrumental Analysis		4
Chem 321 Quantitative Analysis	4		Chem 412 Advanced Organic		
Chem 322 Instrumental			Chemistry		3
Analysis or	4		³ Art or music requirement		3
Chem 422 Advanced			² Social science requirements		6
Inorganic Chemistry	3		³ Philosophy requirement		3
² Literature requirement	3		Electives		9-10
² Religion requirement	2				<hr/> 32
³ Social science requirement	6				
Electives	4 or 5				
		<hr/> 32			

¹Assumes that two years of German have been completed in high school. If not, the language requirement may have to be met during the sophomore and junior years.

²See page 37 for requirements in religion.

³Courses thus designated may be taken in any order.

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 chairman of Department. 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 two-hour laboratory period per week. Prerequisite: Mathematics 101 or equivalent. I, II

132 *Chemical Principles I*

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. II

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 two 2.5-hour laboratory periods per week. Prerequisite: Chemistry 109, 110. I, II

302 *Biophysical Chemistry 4*

Introduction to the physical chemistry of biological systems. Intended primarily for pre-dental and pre-medical students. Three lectures and one 3-hour laboratory period per week. Prerequisites: Physics 151, 152, Chemistry 204, and Mathematics 131. II

309 *Chemical Literature I*

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 or 132 and, preferably, 204; Physics 152, and Mathematics 201. I, II

314 Physical Chemistry Laboratory 2

Two three-hour laboratory periods per week. Should be taken concurrently with (or subsequent to) Chemistry 312.

321 Quantitative Analysis 4

Chemical methods of quantitative analysis. Two lectures and two 3-hour laboratory periods per week. Prerequisites: Chemistry 103 or 203 and Mathematics 131. I

322 Instrumental Analysis 4

Instrumental methods of analysis and molecular structure determination. Two lectures and two 3-hour laboratory periods per week. Prerequisites: Chemistry 311 and 321. Concurrent or prerequisite Chemistry 312. II a/y 1965-66

401 Organic Qualitative Analysis 4

A study of methods for the isolation and identification of organic compounds. Emphasis is placed on modern techniques such as spectroscopy and chromatography. Two lectures and two 2½-hour laboratory periods per week. Prerequisites: Chemistry 312 (or 321 plus 302) and 309. Chemistry 309 may be taken concurrently. I

412 Advanced Organic Chemistry 3

A study of current organic chemical topics such as electronic theory, molecular structure and reaction mechanisms. Three lectures per week. Prerequisites: Chemistry 204 and 312. 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. Concurrent or prerequisite Chemistry 312. II a/y 1964-65

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 M.A. candidates only. Prerequisite: Consent of the chairman of the department. I II

ECONOMICS

Mr. Pierson, Mr. Peterson; assisted by Mr. Eastman

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 of business education, (3) to prepare the student for a career in economics, and (4) 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 advanced courses offered by the Department of Economics. Students contemplating graduate study in economics are strongly advised (though not required) to study elementary calculus (Mathematics 200, 201, and 202).

101 Principles of Economics 3

An analysis of the U.S. economy from the aggregative point of view; basic concept of the economy, measuring the level of U.S. economic activity, factors determining this level, the problems of inflation and unemployment, monetary and fiscal policies for stabilizing the economy. I

102 Principles of Economics 3

An analysis of the U.S. economy from the microscopic point of view; determination of the price of specific products and of specific factors of production, the quantity of output, and the method of production. The international economy. *No prerequisite.* 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. May not count as credit for a major in economics. Offered on demand.

300 General Economics 3

An introductory course in economics designed to meet the needs of upper division students. Not open to anyone who has received credit for Economics 101. I

301 Intermediate Economic Analysis 3

Macro-economics at the intermediate level. National income accounting and determination including both the commodity and money markets. Prerequisite: Economics 101. I

302 Intermediate 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. II a/y 1965-66

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. I a/y 1965-66

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 1964-65

364 Business Finance 3

See Business Administration 364. II

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. II

441 Statistical Methods 3

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

496 Directed Readings in the History 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. Prerequisite: Economics 101 and 102. II

497 Independent Study 1**498 Independent Study 2****499 Independent Study 3**

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

302 Intermediate 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. II a/y 1963-64

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. I a/y 1963-64

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 1964-65

364 Business Finance 3

See Business Administration 364. II

381 Statistics 3

Descriptive statistics: measures of central tendency, dispersion, and proportions. Inferential statistics: the testing of hypotheses by use of data derived from samples. Regression and correlation analysis. I II

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. II

496 Directed Readings in the History 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. Prerequisite: Economics 101 and 102. II

497 Independent Study 1**498 Independent Study 2****499 Independent Study 3**

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

EDUCATION

Mr. Johnston, Mr. DeBower, Mr. A. Hagen, Mr. Jones, Mrs. Mathers, Mrs. Napjus, Mr. Pederson, Mr. Sjoding, Mr. Stein, Miss Williamson; assisted by Mrs. Keblbek, Mrs. MacLennan, Mr. Langton

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.

202 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. Special tests and interviews are scheduled for the guidance of the prospective teacher. I II

301 Human Development 3

A study of the emotional, social, intellectual, and physiological development of the human organism from the prenatal period through adolescence. Three lectures; two-hour public school observation required weekly, to be individually assigned. Prerequisite: Psychology 101. Students in the teacher education program should complete Education 202 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 202 and 301. I II

312 The Teaching of Reading—Elementary 2

A comprehensive survey of teaching reading in the elementary grades. Materials, methods, techniques, procedures and diagnosis of reading difficulties are studied. I II S

314 The Teaching of Reading—Secondary 2

A comprehensive survey of teaching reading in the secondary school. Materials, methods, techniques, procedures and diagnosis of reading difficulties are studied. I II S

315 Instructional Materials 2

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

319 The Teaching of Arithmetic 2

An over-all study of the basic mathematical skills and abilities needed by the teacher in the elementary and junior high school. Recent developments and materials are considered. I II 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. Emphasis will be given in testing methods for solving various educational, personal, and vocational problems for the student. I

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. I II (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. S (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. I (G)

414 Social Studies in the Elementary School 2

A course designed to acquaint the student with the objectives, materials, and methods of teaching the social studies in an integrated program. Open to experienced teachers only. II 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. S (G)

420 Processing School Library Materials 2

Simplified procedures for the classification, cataloging, and technical processing of school library materials. S (G)

423 Language Arts in the Elementary School 2

A course designed to give the elementary teacher, grades one through eight, an understanding of how to teach the language arts in a functional manner. The following skills will be considered: usage, listening, speaking, writing, spelling, and vocabulary building. Open to experienced teachers only. I S (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. S (G)

428 Kindergarten 2

A study of the kindergarten child and his adjustment problems. Special emphasis on activities and procedures for his development. S (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. S

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 2

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)

440f Music in the Secondary School 2

See Music 440f. (G)



440g Science in the Secondary School 2
(G)

440h Social Studies in the Secondary School 2
(G)

440i Speech in the Secondary School 2
See Speech 440i. (G)

440j Chemistry in the Secondary School 2
(G)

440k Methods in Teaching German 2
See German 440k. (G)

440m Methods in Teaching French 2
See French 440m. (G)

441 Statistical Methods 3
See Psychology 441, Sociology 441, Economics 441. II S (G)

442 Speech for the Classroom Teacher 2
See Speech 442. II S (G)

449 Reading Center Workshop 2
Clinical study of reading problems and suggested corrective measures.
To be taken concurrently with Education 469. S (G)

450 Psychological Testing 2
See Psychology 450. (G)

451 Individual Mental Testing 2
See Psychology 451. (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 alter-
nate 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 semes-
ter 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 department. 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 Teacher Education will be required before registration can be completed. S (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. S (G)

472 Occupational Information 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. S (G)

473 Introduction to Counseling 2

See Psychology 473. (G)

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. There is opportunity to visit local community agencies. See Psychology 475. S (G)

478 Mental Health for Teachers 2

Primarily concerned with the adjustment of the teacher to the classroom situation. Some emphasis on the various mechanisms of adjustment. II S (G)

501 History of Education 2

A study of the history of education, Occidental and Oriental, with particular reference to its bearings on contemporary education. II S

505 Philosophy of Education 3

A study of the writings of the great philosophers of Education from the time of Aristotle and Plato to the present time.

507 Advanced Educational Psychology 2

Principles and research in human learning and their implications for curriculum and instruction. I S

509 Comparative Education 2

A comparative study of the backgrounds, developments, trends, and problems of major national systems of education. II S

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. S

529 Diagnosis of Reading Problems 2

Causes, prevention, and correction of reading disability cases are emphasized. Various types of reading disability cases are diagnosed in class. Each member of the class will diagnose, tutor, and compile a case study of a reading problem, preferably from his own school. Prerequisite: 312 or its equivalent. S

536, 537, 538, 539 Workshops 1-3

Graduate workshops in special fields held for varying lengths of time.

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. II S

548 The Gifted Child 2

A study of the gifted child, his characteristics and problems, and school procedures designed to further development. S

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. II S

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. S

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. S

582 Administrative Internship 2-4

Internship in school administration planned by 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. S

591 High School Organization and Administration 2

Current viewpoints 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. S

594 Administration and Supervision Workshop 4

The projects discussed will chiefly be derived 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. S

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 and completion of most of the course work for the Master's degree. II S

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. Ranson, Miss Blomquist, Mr. Hillger, Miss Holum, Mrs. Johnson,
Mr. Klopsch, Miss Knudson, Mr. Reigstad, Mr. Reynolds*

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, to-

gether 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.

The three-hour general university literature requirement can be met by any course in the department except 101, 102, 218, 302, 318, 321, 322, 404.

For the major in English at least 27 credit hours are required in addition to English 101 and 102. Each major should follow 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 refer to page 56 under ACADEMIC PREPARATION.

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

102 *Composition 3*

A brief study of the technique of preparing a research paper. Otherwise, further work in expository writing combined with the study of representative works of exposition, fiction, drama, and poetry. I II

217 *The Short Story 3*

A study of the short story as a narrative form. Practice in writing short stories. (Upper division students may obtain upper division credit.) I

218 *Advanced Composition 3*

Aimed to help the student develop greater accuracy, facility and effectiveness in writing exposition, description and narration. 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. II

251, 252 *Survey of English Literature 3, 3*

A study of English classics from Beowulf to Hardy and Wilde.



302 *The English Language 3*

A study of the development of the English language, plus intensive review of syntax and grammar. 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 lower grades. I

332 *The Continental Novel 3*

A study of representative French, Russian, German, Scandinavian, and Spanish novels of the nineteenth century. II

333, 334 *Greek and Latin Literature in Translation 3, 3*

A study of such writers as Hesiod, Homer, Aeschylus, Sophocles, Euripides, Aristophanes, Pindar, Plato, Thucydides, Longus, Theocritus, Apuleius, Plutarch, Plautus, Terence, Seneca, Virgil, Lucretius, Horace, Catullus, Juvenal, Cicero, Epictetus, Marcus Aurelius, Ovid. Strongly recommended for all English majors. I, II

349 *Modern Poetry 3*

A study of recent English and American poetry. II S

357 *English Drama 3*

Plays representing the development of drama from the sixteenth century to the nineteenth, exclusive of Shakespeare. I a/ 1965-66

358 *Modern Drama 3*

Selected plays representing the development of modern drama from realism to the theatre of the absurd. II a/y 1964-65

382 *Chaucer 3*

Especially *Troilus and Criseyde* and *The Canterbury Tales*. Some study will be made of the development of the English language. II

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, Antony 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 1964-65

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 in American Fiction 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. I a/y 1964-65

483 Early Nineteenth Century English Literature 3

An intensive study of Blake, Wordsworth, Coleridge, Byron, Shelley and Keats. I

484 Late 19th 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**495 Twentieth Century English Literature 3****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

FOREIGN LANGUAGES

*Mrs. Little, Miss Durham, Mr. G. J. Malmin, Mr. Purvis, Mr. Roe,
Mr. Spangler; assisted by Mr. Mednis*

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).

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

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.

Germanic Languages**German**

Twenty-four (24) hours above 102 are required for a major in German, including German 301, 302, 411, 412, 451, 452 or 440k.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in German should refer to page 57 under ACADEMIC PREPARATION.

101, 102 Elementary German 4, 4

Grammar, selected readings. I, II

201, 202 Intermediate German 3, 3

Readings in German history and literature. I, II

221, 222 Grammar and Conversation 2, 2

May accompany German 201, 202. I, II

251, 252 Scientific German 3, 3

Basic training in the reading of scientific German. Meets basic language requirement. Prerequisite: Consent of Instructor. I, II

301 German Classics 3

Historical and literary studies: Lessing, Schiller, Grillparzer. I a/y 1965-66

302 Goethe's Faust 3

Review of earlier literary expressions of the Faust theme and Faust, Part I. II a/y 1965-66



335, 336 German Civilization 2, 2

The cultural-historical development of German art, literature, music, philosophy and of the sciences. I, II

411 The German "Novelle" 3

A study of the peculiarly German prose-form, "Die Novelle." Brief studies of the development of the novel in earlier centuries. Masterpieces from Droste-Huelshoff, Eichendorff, and Kleist. I a/y 1964-65

412 Epics and Lyrics 3

A brief resume of epic poetry and a reading of outstanding German epics, followed by selected masterpieces of the German lyric. II a/y 1964-65

440k Methods in Teaching German 2

Offered on demand.

451, 452 Advanced Composition and Oral Expression 2, 2

Particular attention given to facility in the usage of sentence structure and grammatical form. Offered on demand. I II

497, 498 Independent Study 1-2**Norwegian****101, 102 Elementary Norse 4, 4**

Grammar, selected readings. I, II

201, 202 Intermediate Norse 3, 3

Stories, periodicals, and publications from Norway. Interpretation of the Scandinavian way of life. I, II

Romance Languages**French**

Twenty-four (24) hours above 102 are required for a major in French, including French 401, 402.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in French should refer to page 56 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.

301, 302 Studies in the French Drama 3, 3

Middle Ages to the 18th Century. I a/y 1964-65. 18th Century to the 20th Century. II a/y 1964-65

351, 352 Composition and Advanced Grammar 3, 3

I, II a/y 1964-65

401, 402 French Literature 3, 3

Study and analysis of representative French poets and writers from the Middle Ages to the 20th Century. I, II a/y 1965-66

440m Methods in Teaching French 2

Offered on demand.

497, 498 Independent Study I-2**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

Slavic Languages**Russian****101, 102 Elementary Russian 4, 4**

Grammar, selected readings. I, II

201, 202 Intermediate Russian 3, 3

I, II

GENERAL ENGINEERING

*Mr. Schmid***151, 152 Engineering Drawing and Descriptive Geometry 2, 2**

I, II

GEOGRAPHY

*Mr. Mackey***101 World Geography 3**A survey of the physical and social features of the various countries.
I, II

GEOLOGY

Mr. Ellingson

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.

101 Physical Geology 4

A study of rocks, minerals, and the physiographic features of the surface of the earth. Two lectures and two laboratory periods a week. One Saturday field trip required. I

102 Historical Geology 4

A continuation of Geology 101. A study of sedimentary rocks, fossils, and earth history. Two lectures and two laboratory periods a week. Two Saturday field trips required. II

203 Mineralogy 3

Fundamental principles of crystallography and mineralogy, studying both ore and rock forming minerals. One lecture and two laboratory periods a week. Prerequisites: Geology 101 and Chemistry 104 or 109, or permission. II a/y 1964-65

204 Petrology 3

Origin, occurrence and classification of the more common rocks; emphasis on hand lens identification. Prerequisites: Geology 101 or permission. II a/y 1965-66

360 Geology of Western Washington 5

A course designed for teachers; giving experience in rock and mineral identification and land form study. Two lectures and three all-day field trips a week. Prerequisites: One year of a laboratory science or the permission of the instructor. S

497-498 Independent Study I-3

HEALTH AND PHYSICAL EDUCATION

Mr. Salzman, Mr. R. Carlson, Mr. Lundgaard, Mrs. Poulsen, 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 121, 122, 161, 162. Physical Education 210, 292, 312, 322, 334, 341, 342, 345, 346, 363, 450, 497.

Women—Prerequisite: Biology 121, 122, 161, 162. Physical Education 210, 290, 292, 312, 322, 333, 334, 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 57 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 Education 210. I a/y 1965-66

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

101, 102, 103, 104 Activities (Women) 1, 1, 1, 1

Regular freshman and sophomore activity classes. Two periods per week. I II

105, 106, 205, 206 Adapted Activities (Women) 1, 1, 1, 1

Activities to meet the needs of individual students who are not able to participate in the regular activities classes. Two periods per week. I II

107, 108, 109, 110 Activities (Men) 1, 1, 1, 1

Regular freshman and sophomore activity classes. Two periods per week. I II

201 Beginning Golf (Men and Women) 1

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) 1

Optional activity class for sophomores. Students furnish their own balls and shuttlecocks. Racquets are provided for class work, but students must furnish racquets for field work. II

203 Beginning Archery (Men and Women) 1

Optional activity class for sophomores. All equipment furnished. II

204 Beginning Bowling (Men and Women) 1

Optional activity class for sophomores. Special fee required to cover transportation and shoe rental. I II

207 Gymnastics and Rebound Tumbling (Men and Women) 1

Optional activity class for sophomores. I II

208 Skiing (Men and Women) 1

Special fee required.

209 Beginning Swimming (Men and Women) 1

Recommended for students who fail the proficiency test. I II



- 211 Intermediate Swimming (Men and Women) 1**
Optional activity class for sophomores. Emphasis on developing better strokes and techniques. Prerequisite: Consent of instructor. I II
- 212 Advanced Swimming (Men and Women) 1**
For advanced swimmers. Prerequisite: Consent of instructor. I II
- 270 Football 2**
II
- 271 Basketball 2**
II
- 272 Track 2**
II a/y 1964-65
- 273 Baseball 2**
II
- 274 Methods in Teaching Tumbling 2**
Stunts, tumbling, and use of the trampoline. Coeducational. Limited to students majoring in health and physical education. II
- 275 Methods in Teaching Wrestling 2**
- 290 Methods in Teaching Individual Sports (Women) 2**
Techniques and methods used in teaching tennis, golf, archery, badminton, bowling and track.
- 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 1964-65
- 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. I S a/y 1965-66
- 333 Methods in Teaching Team Sports (Women) 2**
Techniques and methods used in teaching soccer, basketball, volleyball, softball and field hockey. I
- 334 American Red Cross Life Saving Course 1**
II

- 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 334. I
- 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.
- 342 Problems in Teaching Rhythmics 2**
Prerequisite: Health and Physical Education 341. II
- 342 Methods in Teaching Swimming 2**
Prerequisite: Health and Physical Education 334, 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 in Option I Program 2, and with consent of department. 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 1965-66
- 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 1965-66
- 497, 498 Major Conference 2**
Prerequisite: Health and Physical Education 363 (Men); or 290, 333 and 341 (Women). I 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. Schnackenberg, Mr. Akre, Mr. Nordquist, Mr. Ristuben, Mr. Vigness

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 a teaching major in History should refer to page 58 under **ACADEMIC PREPARATION**.

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. I, II

112 History of the Christian Church 2

The origins, thought and expansion of the Christian Church, the rise of the papacy, the Reformation, and the modern era. I II

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. I, II

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. I II

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. I, II

301 *Medieval History 3*

A study of the history of Europe from the disintegration of the Roman Empire to 1450. Extensive reading and research in selected medieval materials. Prerequisite: History 103, 104. I a/y 1965-66

311 *The Renaissance 3*

A systematic study of Europe in an age of transition (1300 to the death of Michelangelo). Readings and research in selected topics. Prerequisite: History 103, 104. I a/y 1964-65

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. II

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. I a/y 1964-65

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. II a/y 1964-65

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. I a/y 1965-66

338 *Twentieth Century Europe 3*

A course of readings and discussions concerning the events and trends since 1914. Prerequisite: History 103, 104. II a/y 1965-66

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. I a/y 1964-65

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. II a/y 1964-65

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. I a/y 1965-66

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. II a/y 1965-66

401, 402 *England 3, 3*

A study of the political, social, economic, legal, and cultural developments in the British Isles. Prerequisite: History 103, 104. I, II a/y 1965-66

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. II a/y 1964-65

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. I a/y 1965-66

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. I a/y 1964-65

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. II a/y 1964-65

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. I, II a/y 1965-66

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. II a/y 1965-66

462 History of the American Frontier 3

A study of the westward movement with emphasis upon the Turner thesis and its critics. Prerequisite: History 203, 204. II a/y 1964-65

491, 492 Independent reading and research 1-2**495, 496 Seminar in European History 3, 3****497, 498 Seminar in American History 3, 3****597, 598 Graduate Research 1-3****JOURNALISM**

Mr. Nesvig

203 Journalism 2

A study of the principles of news writing and editing, and their application in the preparation of news copy; headline writing; proof reading. I

204 Journalism 2

Editorial and feature writing; a study of the various types of editorial and feature copy; column writing; makeup; laboratory work in connection with the MOORING MAST and SAGA. II

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. G. Adams, Mr. Ehret, Mr. Reitz

Requirements for the Bachelor of Arts degree with a major in mathematics shall consist of a minimum of 25 credit hours in courses numbered 200 and above including Mathematics 202 and 301, and at least 12 credit hours of upper division courses. Physics 109, 110 is also required. Physics 361 may be substituted for five 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 58 under ACADEMIC PREPARATION.

Requirements for the Bachelor of Science degree in Mathematics consist of a minimum of 37 credit hours of mathematics including Mathematics 202 and 301 and at least 24 credit hours of upper division mathematics. Physics 109, 110 is also required. Physics 412 may be substituted for four hours of upper division mathematics. Not more than 40 hours in the major can be counted toward graduation.



Typical Curriculum in Mathematics

<i>Freshman Year</i>		<i>Hrs.</i>	<i>Sophomore Year</i>		<i>Hrs.</i>
Engl 101, 102 Composition	6		Art or music elective	3	
*Math 200, 201 Analytic Geometry and Calculus	7		Math 202 Analytical Geometry and Calculus	3	
†Religion requirement	2		Mathematics approved course	3	
Science elective	8		Physics 109, 110 Chemistry-		
Social Science electives	6		Physics or Physics 151, 152	8	
Electives	2		†Religion requirement	4	
PE activity	2		Electives	8	
			PE activity	2	
		33			31
<i>Junior Year</i>		<i>Hrs.</i>	<i>Senior Year</i>		<i>Hrs.</i>
Literature elective	3		Foreign language	6	
**Foreign language	8		Mathematics approved courses	12	
Mathematics approved courses	12		Social science electives	6	
Philosophy requirement	3		Electives	8	
†Religion requirement	2				32
Science electives	4				
		32			

*Students not qualifying for Mathematics 200 upon entrance should register for Mathematics 112 and/or 131 and then take both Mathematics 202 and 301 in the second semester of the sophomore year.

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

†See page 37 for requirements in religion.

101 Intermediate Algebra 3

A thorough review of high school algebra and a continuation beyond quadratics. Three periods per week. Prerequisite: one year of high school algebra. Not acceptable for a major. I II

112 Plane Trigonometry 2

I II

131 College Algebra 3

I II

200 Analytic Geometry and Calculus 4

The straight line, limits and derivatives, applications of derivatives, integration, applications of the definite integral. Prerequisite: Mathematics 112 and/or Mathematics 131 or equivalent. I II

201 Analytic Geometry and Calculus 3

Transcendental functions, natural logarithms, methods of integration, determinants, plane analytical geometry, hyperbolic functions, and polar coordinates. Prerequisite: Mathematics 200. I II

202 Analytic Geometry and Calculus 3

Infinite series, solid analytic geometry, partial differentiation, multiple integration. Prerequisite: Mathematics 201. I II

301 Linear Algebra 3

A study in vector spaces, matrices, and quadratic forms. Prerequisite: Mathematics 200 or consent of chairman of the department. II

311 Differential Equations 3

Ordinary differential equations with applications. Prerequisite: Mathematics 202. I

312 Applied Mathematics 3

Topics include Fourier series, series solutions of differential equations, vector calculus, partial differential equations, the Laplace transform. Prerequisite: Mathematics 311. 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. Prerequisite: consent of instructor.

321 Geometry 3

A survey of the field of geometry foundations and basic theory in the areas of Euclidean, projective, and non-Euclidean Geometry. Prerequisite: Mathematics 200 or consent of instructor. I a/y 1964-65

341 Mathematical Statistics 3

Elementary probability theory, discrete and continuous distribution functions, introduction to sampling theory and hypothesis testing. Prerequisite: Mathematics 201. II a/y 1964-65

431, 432 Advanced Calculus 3, 3

A rigorous and extended treatment of topics introduced in elementary calculus. Prerequisite: Mathematics 202 and 301 or consent of instructor. I, II a/y 1964-65

453, 454 Modern Algebra 3, 3

Topics include matrices, systems of linear equations, linear transformations, vector spaces, introduction to the theory of groups, rings, fields. Prerequisite: Mathematics 201. I, II a/y 1965-66

460 Elementary Topology 2

An introduction to topological spaces. Prerequisite: Consent of instructor. On demand.



**495, 496 Seminar I, I**

Open to advanced students with consent of department.

497, 498 Independent Study I-2

Open to advanced students with consent of department. I II

MUSIC

*Mr. Skones, Mr. Fritts, Mr. Gilbertson, Mr. Knapp, Mr. Newnham, Miss Payne:
assisted by Mrs. Betts, Mrs. Elliott, Mr. Espeseth, 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 a minimum of 34 semester hours in music theory, history and literature including Music 111, 112, 211, 212, 221, 222, 311, 312, 411, 412, and six hours from Music 321, 322, 423, 424 and 426, plus eight semester hours of private or class instruction in applied music of which four must be in piano. Four hours of credit in ensemble must be earned. Qualifying examinations shall be given to all freshmen and transfer students planning to major in music, and a second examination shall be given at the end of the sophomore year.

All music majors are required to attend the faculty and student recitals of the Music Department.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in Music should refer to page 60 under ACADEMIC PREPARATION.

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 3, 3

Thorough training in the melodic, harmonic and rhythmic elements of music. A complete correlation of the materials and techniques of sight-singing, melodic and harmonic dictation, rhythmic reading, and the elements of harmony including seventh chords and four-part writing. Five periods per week. 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. There are no prerequisites. Not open to music majors. I II

132 Concert Chorus I

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 I

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 I

Membership determined by tryouts. Limited to 20 members. Singing of both sacred and secular music mainly of the sixteenth and seventeenth century. I II

136 University Orchestra I

Membership determined by tryouts. I II

137 Chamber Ensemble I

I II Prerequisite: Consent of instructor.

138 University Band I

Membership determined by tryouts. I II

141, 142 Strings I, I

Instrumental laboratory. Two hours per week. I, II a/y 1965-66

150 Piano I-2

I II S

152 Organ I-2

The technique of organ playing and style through preparatory exercises and works of classic and contemporary composers. Prerequisite: Satisfactory piano technique. I II

154 Voice I-2

Voice production, placement, breath control, diction, interpretation, repertoire. Simple oratorio and operatic arias and art songs. I II

156 Violin, Viola I

I II

157 Cello, Bass I

I II

160 Class Piano for Music Majors I

On demand.

162 Class Organ for Music Majors I

On demand.

211, 212 Theory 4, 4

Continuation of Music 111, 112 through altered chords, modulation, harmonic counterpoint in two, three and four parts. Prerequisite: Music 112. I, II

221, 222 History I, I

Study of the periods and styles as exemplified in the works of the most important composers. I, II

243 Woodwinds I

Instrumental laboratory. Two hours per week. I a/y 1964-65

- 244 Brass and Percussion 1**
Instrumental laboratory. Two hours per week. II a/y 1964-65
- 311 Modal Counterpoint 2**
Prerequisite: Music 212. I a/y 1964-65
- 312 Tonal Counterpoint 2**
Prerequisite: Music 212. II a/y 1964-65
- 321 Music in the Renaissance 3**
I a/y 1964-65
- 322 Music in the Baroque 3**
II a/y 1964-65
- 323 History of Opera 2**
The development of opera from the early Baroque till our time. The study of the music as well as production problems. S
- 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, and the like. Prerequisite: Music 101 or equivalent background music. I II
- 341 Choral Conducting 2**
A study of the technique of the baton and examples of score reading. Consent of instructor required. Three hours per week. I a/y 1964-65
- 342 Instrumental Conducting 2**
Baton technique, score reading, laboratory work in conducting instrumental groups. Consent of instructor required. Three hours per week. I a/y 1964-65
- 350 Piano (Advanced) 1-2**
Prerequisites: (1) All major and minor scales, hands together, two octaves. (2) Any prelude and fugue from the *Well-Tempered Clavier* by Bach. (3) A classical sonata equivalent in difficulty to Beethoven Op. 49, No. 1 or 2. (4) A romantic composition equivalent in difficulty to a Chopin Prelude or a Chopin Waltz.
- 352 Organ (Advanced) 1-2**
I II
- 354 Voice (Advanced) 1-2**
Technical studies for fluency and range. Song literature to include the recitative and arias from oratorios and operas of Bach, Handel, Mozart, etc. French, Italian and German art songs; student recital and radio appearances. I, II
- 360 Class Piano for Music Majors 1**
On demand.
- 362 Class Organ for Music Majors 1**
On demand.



- 411 Form 2**
The nature of music and its application in smaller forms. Prerequisite: Music 212. I a/y 1964-65
- 412 Form 2**
The larger forms and form problems in contemporary music. Prerequisite: Music 212. I a/y 1964-65
- 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 1964-65
- 421 History of Church Music 2**
I a/y 1965-66
- 422 Applied Church Music 2**
II a/y 1965-66
- 423 Classic and Romantic Music 3**
I a/y 1964-65
- 424 Contemporary Music 3**
II a/y 1964-65
- 425 Major Conference 1-3**
- 427 Bach 2**
The life and music of the composer and his importance in Western culture. II a/y 1965-66
- 428 Musicology 1-3**
The methods and means of musical research and their application to selected topics in music history, literature, and theory. S
- 435 Opera Workshop 1-3**
Stage production of operas. Prerequisite: Permission of instructor. I II
- 440f Music in the Secondary School 2**
The place of music in adolescent development, the boy's changing voice, organizing and directing all phases of vocal and instrumental music activities in the junior and senior high school. II
- 442 Methods of Teaching Piano 1**
Lectures, discussions, prescribed reading in methods of teaching piano. Required of piano majors. Open to others with sufficient preparation. Recommended for senior year. II
- 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

*Mrs. Morken, Mrs. Chase, Miss Fletcher, Mrs. Fullilove, Mrs. Laursen,
Miss Lehman, Mrs. Nielsen, Mrs. Ruth, Miss Tollefson, Mrs. Labes;
assisted by Mrs. Williams*

The requirements for the Bachelor of Science in Nursing degree are outlined under the School of Nursing in the section, Academic Organization. These include prerequisites for the professional courses.

103 Introduction to Nursing 3

A study of the characteristics, attitudes and abilities essential for professional nursing, including communications and observation skills, introduction to pharmacology and normal nutrition. I II

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 class per week first semester. Four clinical laboratory periods and six hours class per week second semester.

335 Maternal-Child Nursing 10

A study of the essential knowledge and understanding which will enable the student to give comprehensive 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. I II

402 Trends in Nursing 3

A review of nursing activities including historical backgrounds, twentieth century nursing in America, fields open to professional nursing and nursing research. I II

435 Psychiatric Nursing 8

A study of major concepts of mental health and psychiatric nursing as it relates to the nurse in the total therapeutic milieu of psychiatric patients. Guidance is given in understanding personal needs and behavior patterns of adjustment. Four clinical laboratory periods and two hours class per week for class of 1966 (6 credit hours). Five clinical laboratory periods and three hours class per week beginning with the class of 1967 (8 credit hours). I II

**436 Public Health Nursing 9**

A course designed to help the student learn new concepts and review material previously presented which are applicable to the experience in the field of public health. Provides the opportunity for the student to apply nursing skills in a setting outside the hospital, showing the family and community as important units of health promotion and illustrating their influence on individual health. A study of the administration, organization and services of both voluntary and official agencies on national, state and local level is included. Four clinical laboratory periods and five hours of class per week. I II

475 Senior Nursing 10

A course identifying leadership principles in nursing. Emphasis is on organization of nursing care, team nursing, emergency and disaster nursing, and principles of nursing management. Five clinical laboratory periods and five hours of class per week. I II

497, 498 Independent Study 1-3

Prerequisite: Permission of the Director.

PHILOSOPHY

Mr. Arbaugh, Mr. Huber

Major, 24 credit hours, including Philosophy 233, and any three of the following: 331, 332, 333, 334, 335. Any course may be taken to satisfy the three-hour philosophy requirement except Philosophy 233, 324, 411, 414, or 427. For more complete course descriptions, see mimeographed supplement provided by the department.

201 Introduction to Philosophy 3

An introduction to a variety of philosophical issues, intellectual systems, and thinkers. I II

221 Introduction to Ethics 3

A study of the main ethical systems of western civilization. I II

233 Logic 3

An examination of the principles of argument and proof. I

300 Principles of Philosophy 3

An advanced introductory course. Not open to students who have taken Philosophy 201. I II

321 Systems of Ethics 3

Not open to students who have taken Philosophy 221. I II

324 Social Ethics 3

- 331 *Ancient Greek Philosophy 3***
Philosophy from 8th Century B.C. to the 4th Century A.D. I a/y 1966-67
- 332 *Medieval Christian Philosophy 3***
Christian philosophy from Augustine to Ockham. II
- 333 *Modern Philosophy 3***
Philosophy from Descartes to Kant (1650 to 1800). II
- 334 *Nineteenth Century Philosophy 3***
Significant thinkers and works of the nineteenth century. I a/y 1966-67
- 335 *Contemporary Philosophy 3***
Men, issues and methods of the twentieth century. I a/y 1966-67
- 361 *Oriental Thought 3***
Philosophy and its implications for literature, religion, and culture in China, India, and Japan. I a/y 1965-66
- 411 *Philosophy of Religion 3***
Analysis of traditional problems in religion. I
- 414 *Kierkegaard 3***
Thought, life, and writings of Kierkegaard. II a/y 1966-67
- 422 *Theory of Value 3***
Nature of ethical, esthetic, and religious values. I a/y 1966-67
- 424 *Theory of Knowledge and Scientific Mind 3***
Nature and problems of scientific and other knowledge. I a/y 1965-66
- 427 *Books, Ideas, and Men: A Cooperative Seminar in Philosophy 3***
A reading and discussion course conducted by both faculty members in the department. I a/y 1965-66

PHYSICS

Mr. Jordahl, Mr. Adams

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 26 hours of physics including courses 311, 361, 362, one intermediate laboratory course, supported by one year of inorganic chemistry and mathematics through course 202.

Candidates for the Bachelor of Arts in Education degree who are planning a teaching major in Physics should refer to page 60 under ACADEMIC PREPARATION.

The Bachelor of Science degree in physics requires a minimum of 35 hours in physics including courses 311, 312, 361, 362, 351, 461, 462, and a minimum of 60 hours in the areas of science and mathematics and the fulfillment of all other requirements as stated for the bachelor's degree. Not more than 40 hours of physics in the major can be counted toward this degree. German, French, or Russian are recommended for the language requirement.

Curriculum in Physics for Bachelor of Science Degree

<i>Freshman Year</i>	<i>Hrs.</i>	<i>Sophomore Year</i>	<i>Hrs.</i>
Physics 109, 110		Art 110 Introduction to	
Chemistry-Physics	8	Visual Arts	3
Engl 101, 102 Composition	6	Social Science electives	6
¹ Modern Language 201, 202	6	Math 201 Analytic Geometry	
² Math 131 College Algebra	3	and Calculus	3
Math 200 Analytic Geometry		Math 202 Analytic Geometry	
and Calculus	4	and Calculus	3
³ Religion requirement	2	Physics 151, 152	
Electives	2	Essentials of Physics	8
PE activity	2	³ Religion requirement	4
	33	Elective	2
		PE activity	2
			31
<i>Junior Year</i>	<i>Hrs.</i>	<i>Senior Year</i>	<i>Hrs.</i>
Math 311 Differential Equations	3	Literature elective	3
Math 312 Applied Mathematics	3	Philosophy requirement	3
Social sciences (upper division)	6	Physics 461, 462	
Physics 361, 362		Advanced Laboratory	4
Theoretical Physics	10	Physics 311 Modern Physics	3
Physics 351		Physics 312 Nuclear Physics	3
Electrical Measurements Lab	1	Electives	16
³ Religion requirement	2		32
Electives	7		
	32		

¹A student who has completed two years of a modern language in high school may complete the foreign language requirement in that language during the freshman year. If the student elects a new language the history requirement should be taken during the freshman year and the language course should be postponed to the sophomore and junior years.

²A student who has completed two years of algebra in high school should not enroll for this course.

³See page 37 for requirements in religion.

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 two-hour laboratory period per week. Prerequisite: Mathematics 101 or equivalent, I, II

151, 152 Essentials of Physics 4, 4

Introductory course which meets the science requirement for the Bachelor of Arts degree and is recommended for pre-medical and pre-dental students. First semester: mechanics, heat and sound; second semester: electricity, magnetism, light and introduction to modern physics. Three lectures and one 2-hour laboratory period per week. Prerequisite: Mathematics 101 or equivalent, I, II

311 Modern Physics 3

A course covering important developments in the field of physics since 1890. The emphasis is on atomic phenomena, but includes the subjects of natural radioactivity and an introduction to nuclear reactions. Prerequisite: Physics 109, 110 or consent of instructor. I

312 Nuclear Physics 3

A continuation of course 311, dealing with nuclear particles, artificial nuclear disintegrations, nuclear binding forces, etc. Prerequisite: Physics 311. II

316 Light 4

General principles of geometrical and physical optics and study of optical instruments. Three lecture-recitations and one 3-hour laboratory per week. Prerequisite: Physics 109, 110 or 151, 152, Mathematics 201. II a/y 1965-66

332 Heat Laboratory 1

A laboratory study of thermal processes and the thermal properties of matter. Topics covered will include temperature measurement, mechanical equivalent of heat, calorimetry, heat transfer, change of state, and heat of combustion. Prerequisite: Consent of instructor. II a/y 1965-66

342 Mechanics 4

A course in engineering mechanics dealing with statics, dynamics and kinetics. Prerequisite: Physics 109, 110 or 151, 152, Mathematics 202. II

351 Electrical Measurements Laboratory 1

This course introduces the student to the techniques and methods employed in measuring electrical and magnetic phenomena. Practical d.c. and a.c. circuit problems are encountered. Prerequisite: Consent of instructor. I



361 Theoretical Physics I 5

An introduction to theoretical mechanics, thermodynamics, and kinetic theory of gases. Includes the study of kinematics, dynamics, orbit theory, moving coordinate systems, generalized coordinates, and an introduction to the Lagrangian and Hamiltonian formulation of mechanics. Also an introduction to thermodynamic systems, first and second law of thermodynamics, and thermal radiation. Prerequisite: Physics 110, Mathematics 202. I

362 Theoretical Physics II 5

The fundamental concepts of kinetic theory of gases and statistical mechanics are developed with applications. The theoretical basis of electric and magnetic fields in a vacuum and material media is developed leading to Maxwell's equations. Also a brief study of d.c. and a.c. circuit theory. Prerequisite: Physics 361. II

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. Prerequisites: Physics 109, 110 (or 151, 152 and Chemistry 121, 122): 311; and Mathematics 201. II

456 Electronics 4

A study of the characteristics of vacuum tubes and transistors and their use in rectifiers, amplifiers and other electronic devices. Lectures and laboratory work. Prerequisite: Physics 351 or consent of instructor. II a/y 1964-65

461, 462 Advanced Laboratory I & II 2, 2

An experimental approach to some of the classical concepts of modern physics. The student is expected to do independent library research in preparation and analysis of each experiment. He will also be required to do a minimal amount of design and construction of apparatus for certain experiments. Prerequisites: Physics 311 and satisfactory completion of one of the laboratory courses 316, 332, or 351.

487, 488 Seminar 2

Prerequisite: consent of chairman of the department.

497, 498 Independent Study 1-2

Prerequisite: consent of chairman of the department.

POLITICAL SCIENCE

Mr. Farmer, Mr. Culver

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 60 under ACADEMIC PREPARATION.

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. I II

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

252 *American State Government 3*

A comparative study of state government in the United States with special attention to the Pacific Northwest area. Prerequisite: Political Science 251. II a/y 1964-65

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 1964-65

334 International Law 3

The nature, historical development, and principles of international law. Prerequisite: Political Science 331. II a/y 1965-66

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. II a/y 1964-65

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 1964-65

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 contemporary Congress and Washington state legislature. Prerequisite: Political Science 251 or 361. II a/y 1964-65

434 Government and Business 3

See Economics 434.

441 Statistical Methods 3

See Economics 441.

451 American Constitutional History 3

See History 451.

452 American Constitutional Law 3

An examination of significant constitutional issues in the light of the contemporary interpretation of the Constitution of the United States: Church-state relations, civil rights, free speech, due process of law, reapportionment.

457 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 a/y 1965-66

483 Democratic Political Systems 3

A comparative analysis of governmental and political institutions of contemporary democracies other than the United States. I a/y 1965-66



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 1965-66

497, 498 Independent Reading and Research 1-2

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.

PSYCHOLOGY

Mr. Winther, Mr. Holmberg, Mr. Nielsen, Miss Williamson

The objectives of the department include promoting knowledge of the basic facts and principles of human experience and behavior, with emphasis on the formation of a scientific attitude toward behavior and an appreciation of the complexity of human personality. For advanced students an attempt is made to provide a balanced program of course offerings in both theoretical and applied psychology.

The career opportunities in psychology are numerous and varied. Although college teaching and research continue to attract the largest share of well trained psychologists, many are being employed by business and industrial organizations, public school systems, and federal, state and local government agencies. The greatest need is in the field of clinical psychology.

One planning a career in any area in psychology should expect to spend a minimum of one year in graduate school. Many of the best positions require a Ph.D. degree involving three to five years of post-graduate training. In preparation for graduate work, students are advised to take supporting courses in mathematics, physiology, chemistry, physics, philosophy, and sociology. A reading knowledge of French and German should also be acquired.

Related vocations in which a psychology major is useful are: social work, the ministry, parish work, medicine, business administration, and teaching.

Requirements for a major include Psychology 101, 240, 301, and either 460 or 490, plus 12 additional hours in the department. Psychology 101 is a prerequisite to all courses in the department except Psychology 110.

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, habits, learning, remembering, thinking, emotion, intelligence, personality and character. I II

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

The course deals primarily with the methods used by normal people in their adjustment to the ordinary and the serious difficulties of everyday life. The following topics are analyzed: motivation and drives, normal adjustment patterns, adjustment by defense mechanisms, by negativism, by fear and regression, by ailments. Personality, psychoanalysis, and techniques of mental hygiene are discussed. I

240 Elementary Analysis 3

An introduction to the language of research including descriptive and inferential statistics and basic experimental design. Some computation is also included. II

301 Human Development 3

See Education 301.

320 Social Psychology 3

A study of the psychological foundations of group life. Analysis of social behavior. Effect of the individual on the group and of the group on the individual. Custom, fashion, war, public opinion, etc., in the light of psychological principles. Prerequisite: Sociology 101. I

332 Industrial Psychology 3

A study of the application and use of psychological theory, research methods, and accumulated knowledge to a variety of industrial areas including personnel selection, training, supervision, labor problems, human engineering, and marketing. Prerequisite: Psychology 240 or 441 or equivalent.

370 Principles of Guidance 2

See Education 370.

390 Experimental Psychology 3

An introduction to experimental design and basic methodological problems. Experiments ranging from basic psychophysics, verbal and motor learning, through perceptual and decision processes are conducted and reported by the student. One individually designed experiment is also required. Prerequisite: Psychology 101, 240.

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 101, 301 or 305 or consent of the instructor. S

421 *Abnormal Psychology 3*

The application of psychological facts and principles to the problems of maladjusted personalities. Symptoms, causes, remedial procedures for abnormal states. II

426 *Psychology of Personality 3*

Includes a historical 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: Psychology 301 and either Education 478 or Psychology 321. II

441 *Statistical Methods 3*

Use and interpretation of elementary statistical techniques: graphic representation; measures of central tendency; simple correlation analysis, and sampling theory. II

450 *Psychological Testing 2*

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. I

451 *Individual Mental Testing 2*

An intensive study of the Stanford-Binet and the Wechsler-Bellevue intelligence scales. Enrollment limited. Prerequisite: consent of the instructor. II

460 *Psychology of Learning 3*

A survey of basic concepts in learning: classical and instrumental conditioning, reinforcement, motivation, extinction, punishment, generalization, and secondary reinforcement, all studied in relation to theoretical explanatory points of view. Prerequisites: Psychology 101, 240, or consent of instructor. II

472 *Occupational Information 2*

See Education 472.

473 *Introduction to Counseling 2*

A course designed to acquaint the student with the various theories and techniques of counseling. The course is meant to be an introduction to the field and no actual counseling will be done; however, there will be opportunity for simulated interviews and some role playing in connection with the development of the theories and the techniques. I II S

474 *Principles of Counseling 3*

A course designed for pastors as an introduction to the field of counseling including theories and techniques. Practical experience in counseling is emphasized. Open only to ordained pastors.

477 Field Work 2

I II

478 Mental Health for Teachers 2

See Education 478.

490 History of Psychology 3

Philosophical and experimental background of scientific psychology from its pre-Aristotelian Greek origins through recent schools, emphasizing the development of classical concepts and approaches. Prerequisites: 9 hours in psychology or consent of instructor.

492 Seminar in Psychology 2

Designed for department majors and others interested in special fields of psychology. Prerequisite: consent of instructor. II
I II

497, 498, 499 Independent Study 1-2

I II

500 Advanced General Psychology 3

An intensive survey of the field of psychology with particular emphasis on motivation, physiological, learning, perception, and thinking, all studied from the most recent critical perspective.

550 Practicum in Group Testing 2

An application to a practical situation of the theories of group testing. The student is expected to develop and defend a good testing program for a particular organization. Some test administration and interpretation is required. Prerequisite: Psychology 353. I II

553 Practicum in Individual Testing 2

Supervised practice in the administration and interpretation of individual tests with particular emphasis on the Wechsler and Stanford-Binet. Prerequisite: Psychology 353, 451, or equivalent.

560 Psychology of Learning 3

An analysis of the theories of learning and their applications. Prerequisite: 9 hours of psychology.

573 Practicum in Counseling 2

Supervised practice in counseling. Prerequisite: Psychology 473 or consent of the chairman of the department.

RELIGION

Mr. Roe, Mr. Christopherson, Mr. Govig, Mr. Helgeson, Mr. Lee, Mr. Vigness

Pacific Lutheran University offers a curriculum designed to introduce the student to the primary sources of the Christian religion, its Bible, the history and teachings of Christianity through the centuries and their application to the problems of today. Students planning to continue beyond the basic courses

required for the first two years should plan their program early with faculty members of the department. Prerequisites for courses 306, 331, 341, 342, 431, 432, 440 are courses 201, 202 or 301, 302, or consent of the instructor. Major: 24 hours.

101 *Life of Jesus 2*

A study of the life and teachings of Jesus based on the Gospels and other writings. I II

112 *History of the Christian Church 2*

The origin, thought and expansion of the Christian Church, the rise of the Papacy, the Reformation and the modern era. I II

201 *The Bible—Old Testament 2*

A study of the literature, history and religious thought in the Old Testament writings. I II

202 *The Bible—New Testament 2*

A study of the literature, history and religious thought in the New Testament writings. I II

223 *The Church at Work 2*

The organization, procedures and practices of the Lutheran Church at the parish level, including such areas as youth work, evangelism, stewardship. I

224 *Parish Education 2*

The needs, materials and methods for Christian instruction at various levels. II

301 *Biblical Studies 2*

Consideration of basic Biblical motifs in the Old Testament. Not open to students who have taken 201. I II

302 *Biblical Studies 2*

Consideration of basic Biblical motifs in the New Testament. Not open to students who have taken 202. I II

306 *Methods in Bible Study 2*

Relating the form of Scripture to its content. Unit, topical, and book studies illustrated and applied for the purpose of improving the student's first-hand acquaintance with Scripture. II a/y 1965-66

312 *The Reformation 3*

See History 312.

331 *Comparative Religion 2*

The living religions of the world: Judaism, Islam, Buddhism, Taoism, Hinduism, Confucianism, compared with Christianity. I a/y 1964-65

332 *The Life and Letters of Paul 2*

A biographical study from the missionary viewpoint. The sources related to his time and environment. Leading concepts discussed in relation to present day application in church life. Survey of Pauline literature. II a/y 1964-65

341 *American Churches 2*

The beginnings and doctrines of the major denominations in America. I

342 *Contemporary Christianity 2*

Mid-century challenges and trends in the Christian church with attention to Christian social thought, communism, ecumenical movements, modern sects, the scientific world-view, and existentialism. II

401 *Romans and Galatians 2*

A study of the two most influential Pauline epistles for devotional and doctrinal content, including historical and modern-day application. I a/y 1965-66

411 *Philosophy of Religion 3*

See Philosophy 411.

421 *History of Church Music 2*

See Music 421.

422 *Applied Church Music 2*

See Music 422.

431 *The Lutheran Confessions 2*

Analysis and history of the basic theological documents of the Lutheran Church. I a/y 1965-66

432 *The Christian Classics 2*

Readings in the great Christian literature of all ages—devotions, biography, theology, poetry and hymns; lectures and discussions. II a/y 1964-65

435 *The Prophets 2*

The role of the prophets in Old Testament history, their theology and relevance to the Church today. I

440 *The Book of Revelation 2*

The history of its interpretation, its structure and place in the New Testament. Leading eschatological concepts, millennialism, the return of Christ, the resurrection of the body, the Christian hope. II a/y 1965-66

497, 498 *Individual Study 1-2*

Permission of the department is required.

SCIENCE (GENERAL)

Mr. Ostenson, Mr. Ellingson

A major in general science may be obtained by taking two years' work in either biology, chemistry, or physics and one year in each of two other sciences (biology, chemistry, geology, or physics).

121 Introduction to Biological Science 4

A survey course including a brief study of the plant kingdom and of the animal kingdom. 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 a week. I II

136 Descriptive Astronomy 2

Topics covered include the moon, the solar system, coordinate systems for locating stellar objects, characteristics of stars. S

SOCIOLOGY

Mr. Schiller, Mr. Knorr, Mr. Mackey, Mr. Thuesen

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.

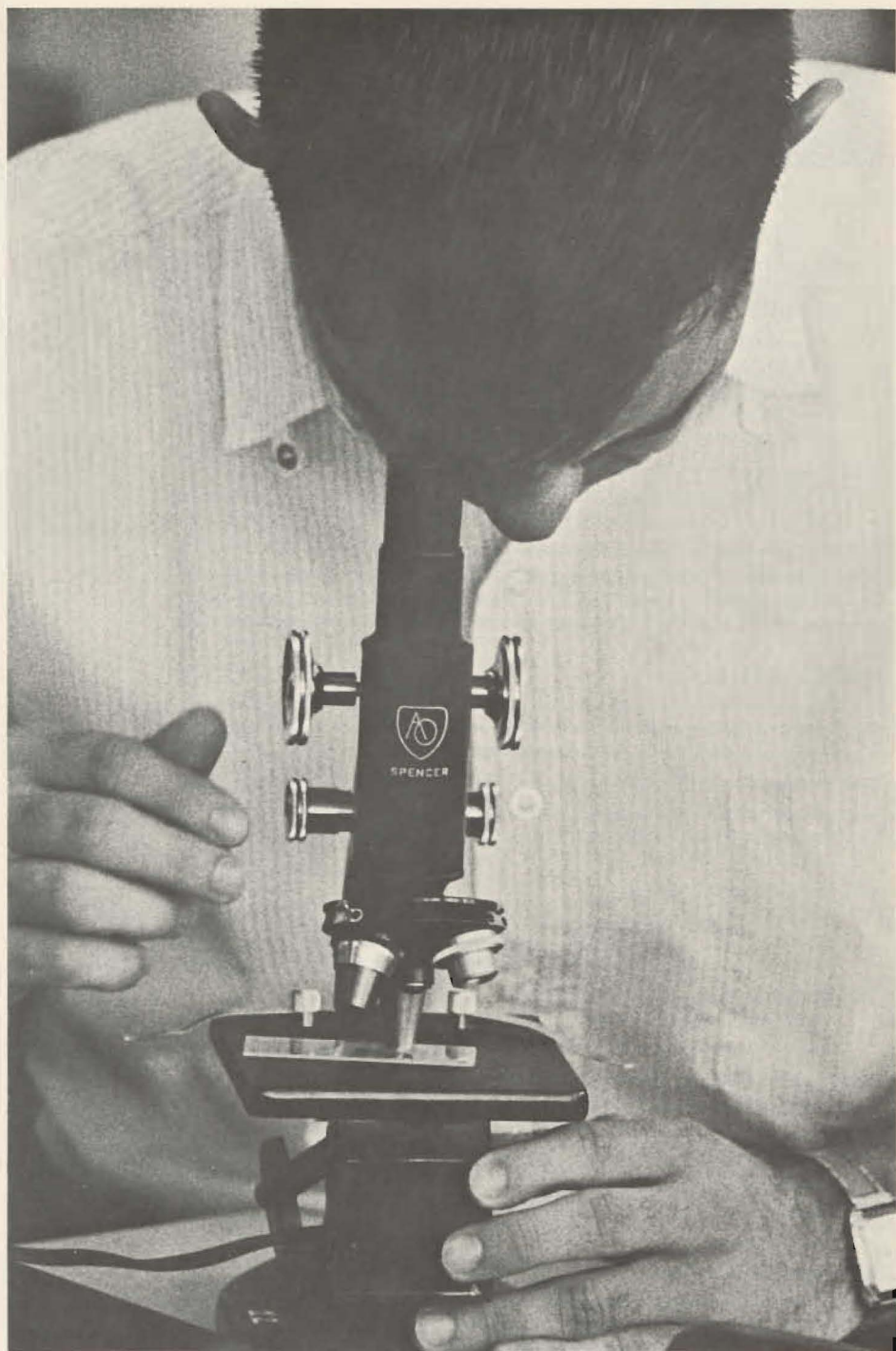
A major in the Department of Sociology provides the proper background for activity in the following fields: (1) advanced research and teaching in sociology; (2) social work, welfare administration, nursing, community organization and community planning; (3) the preaching and teaching ministry, parish 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.

Sociology 101 or 300 is the prerequisite for all other courses in the department.



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

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

132 *Contemporary Marriage Problems 3*

A practical examination of the basic problems involved in contemporary courtship and marriage. No prerequisite.

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 Dynamics 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. I II

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 1965-66

315 *Public Opinion 2*

An analysis of public opinion and propaganda from the point of view of modern social science. S

320 *Social Psychology 3*

See Psychology 320.

321 *Labor Problems 3*

See Economics 321.

332 *Modern Marriage 3*

A practical inquiry into the forces influencing modern courtship and marriage, with emphasis on human experience rather than statistical presentations. (Not open to students who have had Sociology 132). II



341 *Race Relations 3*

A study of interracial contacts and conflicts, with emphasis upon American racial problems. I a/y 1964-65

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

355 *Human Ecology 3*

The factors and forces which determine the distribution of people and institutions in time and in space.

359 *Rurban Society 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 1964-65

360 *Human Migration 3*

The consideration of major quantitative and qualitative problems of population and population movements in contemporary society. I a/y 1965-66

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 1964-65

407 *Educational Sociology 3*

A systematic view of significant sociological data and principles applicable to educational policies and practices. II a/y 1964-65

412 *History of Social Thought 3*

An evaluation of the forces causing sociological change, with some historical background for present day social thought and trends. I

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 principles and practices in the total field of social work, with a comprehensive picture of available services and future needs. I

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. II a/y 1964-65

450 Contemporary Social Institutions 3

The origins and developments of major American social institutions and related institutional patterns. a/y 1965-66

495 Seminar 1-3

Permission of the department required.

497, 498 Independent Study 1, 2

Open to students majoring in sociology. Permission of the department required. I II

510 Graduate Research 1, 3

Permission of the department is required.

SPEECH

*Mr. Karl, Mr. Bassett, Mr. Doughty, Mr. Nordholm,
Mr. Steen, Mr. Utzinger*

The requirements for the Bachelor of Fine Arts with a major in drama or speech are outlined under the School of Fine and Applied Arts in the section, Academic Organization.

Candidates for the Bachelor of Arts degree may complete a major with 24 credit hours in speech arts, or 27 hours in drama, or 24 hours in a combination major.

Speech major: 24 credit hours. Required courses: Speech 101, 250, and nine hours chosen from 104, 220, 256, 270, or 308. All students majoring in the field will participate in some phase of dramatics and forensics.

Drama major: 27 credit hours. Required courses: Speech 101, 250, 256, 338, 350 and 12 hours from the following: Speech 352, 353, 356, 357, 358, 383, 384. 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 62 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 served.

101 Fundamentals of Speech 3

Foundation course dealing with basic elements of the speech situations, including the visible and audible approaches. Some concentration on content. Extensive platform work. I II

104 *Fundamentals of Speech Structure 3*

Technique, composition and delivery of speeches for various occasions. Group and individual projects. Major portion is platform work. Prerequisite: Speech 101. I II

106 *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

182, 282, 382, 482 *Forensics I*

One year competition in intercollegiate forensics during the corresponding academic year. II

206 *Parliamentary Law 2*

Study of parliamentary law based upon Robert's Rules of Order. Practical work dominates. Designed primarily to aid those who do or will belong to organizations. II

233 *Logic 3*

See Philosophy 233.

250 *Interpretative Reading 3*

An introduction to the art of interpretative reading. Emphasis given to developing logical and emotional responsiveness to literature. I II

256 *Fundamentals of Acting 3*

Training of the actor with emphasis upon movement, emotional recall, and responding to imaginary stimuli. Lecture and performance. I

270 *Radio and Television Speaking 3*

Microphone and camera techniques, and styles of delivery for radio and television programs. Extensive use of recording and television equipment. I

308 *Extempore Speaking 3*

Platform work predominates. Special emphasis given to the study of gathering material, methods of preparation, and delivery. Prerequisite: Speech 101, 104, or consent of instructor. I a/y 1965-66

338 *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

350 *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: Speech 250. II

352 *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. II a/y 1964-65

353 Stage Lighting 3

Theory and practice of stage lighting and makeup. Open to speech majors or by permission of the department. II a/y 1965-66

354 Costume and Make-Up 3

The design and the making of costumes for stage productions, and the theory and practice of makeup. Open to speech majors or by permission of the department. I II a/y 1964-65

356 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 1964-65

357 English Drama 3

See English 357.

358 Modern Drama 3

See English 358

370 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. For speech majors or candidates for the Bachelor of Fine Arts degree, by permission of the department. II a/y 1964-65

383 Shakespeare 3

See English 383.

384 Shakespeare 3

See English 384.

430 Speech Pathology 3

A study of speech difficulties, with emphasis on identification and cause. Limited to speech majors or to other persons by permission of the department. I

432 Communicative Disorders and Clinical Practices 2

Clinical school procedures in speech correction and audiology. Emphasis on diagnostic and therapeutic techniques of common disorders. S

434 Voice Science 3

The physiological, anatomical and physical basis of speech and hearing. Prerequisite: Speech 430. II a/y 1964-65

440i 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.

442 *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. S

462 *Summer Drama Workshop 5*

The summer drama workshop will consist of four and one-half weeks of intensive work in drama. Acting, stage management, lighting instruction, and all other phases of production. S

470 *Summer Television Workshop 4*

A practical and intensive study of the creative and production techniques of television programing. 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 and will require the direction of various television programs. S

474 *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. S or II

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

BOARD OF REGENTS

Ex-Officio

	<i>Represents</i>
Dr. S. C. Siefkes, 523 Dexter Avenue North, Seattle, Wash.	ALC
Dr. Robert Mortvedt, Pacific Lutheran University	PLU

Term expires 1965

Rev. Philip Engstrom, 1905 Indiana Avenue, Pullman, Wash.	LCA
Mr. Harold E. Nelson, 3718 N. 35th Street, Tacoma, Wash.	LCA
Mrs. Milton Nesse, 2434 N. Lafayette Street, Bremerton, Wash.	ALC
Dr. Eric Paulson, South 3712 Gandy, Spokane, Wash.	ALC
Rev. H. Peder Waldum, 621 S. Main Street, Kalispell, Mont.	ALC

Term expires 1966

Dr. Carl Bennett, 3115 West Canal Drive, Kennewick, Wash.	ALC
Dr. Paul Bondo, 11723 E. Bingham Avenue, Tacoma, Wash.	ALC
Mr. Earl Eckstrom, 3608 Second Avenue N.W., Seattle, Wash.	ALC
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Mr. Ed. A. Morken, Gencsee, Idaho	ALC
Mr. Alvin Randall, 665 Winding Way Street East, Salem, Ore.	LCA
Mr. Elmer J. White, 3332 43rd Avenue N.E., Seattle, Wash.	LCA

Term expires 1967

Mr. Herman E. Anderson, 16 Forest Glen Lane S.W., Tacoma, Wash.	Alumni
Rev. Theodore C. Brueckner, 10390 Canyon Rd. S.W., Beaverton, Ore.	ALC
Mr. Donald E. Cornell, 1019 E. Ninth Street, Port Angeles, Wash.	ALC
Dr. A. G. Fjellman, 1823 Terry Avenue, Seattle, Wash.	LCA
Rev. David C. Getzendaner, 2324 Lombard Avenue, Everett, Wash.	LCA
Mrs. J. L. Moilien, 2137 N.E. Schuyler, Portland, Ore.	ALC

Regents-at-Large (Terms expire 1967)

Mr. Michael Dederer, 1008 Western Avenue, Seattle, Wash.
Mr. George H. Gallaway, 1469 Bellevue (Apt. 802), Burlingame, Calif.

Advisory Members

Rev. Ivar Pihl, 1120 North 16th Street, Corvallis, Ore.	LCA
Rev. Karl Ufer, 1503 Ruby Street, Pullman, Wash.	ALC

University Attorney

Mr. Fred Henriksen, Security Building, Tacoma, Wash.

CHURCH OFFICIALS

American Lutheran Church**General**

- Dr. Fredrik A. Schiotz, President, 422 S. Fifth St., Minneapolis, Minn.
 Dr. Norman A. Menter, Vice-President,
 2200 Evangeline at Ford Road, Dearborn Heights, Mich. 48127
 Dr. William Larsen, Secretary, 422 S. Fifth St., Minneapolis, Minn.
 Mr. N. Burdette Nelson, Treasurer, 422 S. Fifth St., Minneapolis, Minn.

North Pacific District

- Dr. S. C. Siefkes, 523 Dexter Ave. N., Seattle 9, Wash.
 Rev. Judson L. Crary, Administrative Assistant,
 523 Dexter Ave. N., Seattle, Wash.
 Dr. L. V. Rieke, Church Council Representative,
 5525 60th Ave. N.E., Seattle 5, Wash.

Board of College Education

- Mr. Leonard Haas, 123 Roosevelt Ave., Eau Claire, Wis.
 Mr. Harold Holm, 3430 Stratford Ave., Racine, Wis.
 Mr. Paul Kauper, 1702 Shadsford Road, Ann Arbor, Mich.
 Rev. Harold B. Kildahl, 515 Walders St., Minot, N.D. 58701
 Rev. Fred Landdeck, 2295 Gloriette, Santa Susana, Calif.
 Rev. A. Gordon Nasby, 6644 Oshkosh Ave., Chicago, Ill. 60631
 Rev. John N. Parbst, 3741 17th Ave. S., Minneapolis, Minn. 55407
 Mr. Edward A. Sagebiel, Seguin, Tex. 78155
 Judge Hilbert Schauer, 331 Meeker St., Fort Morgan, Colo.
 Rev. Morris Wee, 333 E. Grant St., Minneapolis, Minn. 55408
 Rev. Emil F. Wendt, 1553 Pinyon Ave., Grand Junction, Colo.
 Rev. Erling H. Wold, 6263 Carpenter Ave., North Hollywood, Calif.

Lutheran Church in America, Pacific Northwest Synod

- Dr. A. G. Fjellman, President, 1823 Terry Avenue, Seattle, Wash.
 Mr. Gordon J. Storaasli, Assistant to the President, 1823 Terry Ave., Seattle,
 Wash.

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.

Representing Boards of College Education

- Mr. Norman D. Fintel, Executive Director, Board of College Education,
 The American Lutheran Church
 Dr. Francis C. Gamelin, Executive Secretary, Board of College Education &
 Church Vocations, Lutheran Church in America



ADMINISTRATIVE AND OTHER OFFICERS 1964-65

President	Robert A. L. Mortvedt
<i>Academic Administration</i>	
Academic Vice-President	Philip E. Hauge
Registrar	Linka K. Johnson
Director of Summer Session	Lynn S. Stein
Dean of the College of Arts and Sciences	Erich C. Knorr
Dean of the College of Professional and Graduate Studies	Philip E. Hauge
Director of the School of Business Administration	Dwight J. Zulauf
Director of the School of Education	Kenneth A. Johnston
Director of the School of Fine and Applied Arts	Vernon A. Utzinger
Director of the School of Nursing	Eline Kraabel Morken
Director of Graduate Studies	Theodore C. Sjoding
Director of Teacher Placement	Arne K. Pederson
Librarian	Frank H. Haley
<i>Business Administration</i>	
Business Manager	A. Dean Buchanan
Assistant Business Manager	Allen P. Lovejoy
Plant Manager	William Campbell
Manager of the Bookstore	Carl G. Faulk
Director of Food Service	Edith Dougherty
Director of Athletics	H. Mark Salzman
<i>Development</i>	
Vice-President in Charge of Development	Clayton B. Peterson
Associate in Development	Clifford O. Olson
<i>Public Relations</i>	
Director	Milton L. Nesvig
Director of Admissions	J. E. Danielson
Director of Alumni Relations	Lawrence J. Hauge
Director of Church Relations	Roy E. Olson†
News Bureau Chief	Richard D. Kunkle
Admissions Counselors	Jon Olson, James VanBeek
<i>Student Personnel Services</i>	
Dean of Students	Richard C. Langton
Assistant Dean of Students	Margaret D. Wickstrom
Assistant to the Dean of Students	Leighland Johnson
Director of Testing, Veterans' Affairs	Leslie O. Eklund††
Nurse	Gladys Bergum
Physician	Louis Rosenblatt, M.D.
Housemothers	Maria Bitschenauer, Linda Dodgen, Frances Fitzpatrick, Marguerite Laugman, Marie Kraabel, Maria Moe, Alta Pierson, Agnes Shaffland
Housefathers	Jerry Dodgen, Alf Kraabel, S. M. Moe
<i>Student Congregation</i>	
Pastor	John O. Larsgaard

† Resigned, effective January 1, 1965.

†† Retired as of November 30, 1964.

FACULTY* — 1964-65

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.

GEORGE E. ADAMS, 1963-

Assistant Professor of Mathematics

B.S., United States Military Academy, 1934; M.S., Purdue University, 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, University of Oxford.

†CHARLES DEAN ANDERSON, 1959.

Professor of Chemistry

B.A., St. Olaf College, 1952; M.A., Ph.D., Harvard University, 1954, 1959.

GEORGE EVANS ARBAUGH, 1959-

Associate Professor of Philosophy

B.A., Augustana College, 1955; M.A., Ph.D., State University of Iowa, 1958, 1959.

ABE J. BASSETT, 1964-

Assistant Professor of Speech

B.A., Bowling Green State University, 1952; M.A., Ph.D., Ohio State University, 1956, 1962.

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.

ROY E. CARLSON, 1962-

Assistant Professor of Physical Education, Coach of Football and Baseball

B.S., University of Washington, 1948; M.S., Washington State University, 1962.

*Date after name indicates beginning of the term of service.

†On leave, 1964-65.



GEORGANN A. CHASE, 1964-

Instructor in 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 CULVER, 1964-

Assistant Professor of Political Science

B.A., San Diego State College, 1954; M.A., University of California, 1957.

CARROL ELVIN DEBOWER, 1964-

Assistant Professor of Education

B.S., Midland College, 1952; M.Ed., D.Ed., University of Nebraska, 1959, 1964.

JUDD C. DOUGHTY, 1962-

Instructor in Speech and Assistant in Radio and Television

B.A., M.A., Pacific Lutheran University, 1955, 1964.

GAIL DURHAM, 1964-

Instructor in French

A.B., Willamette University, 1963; M.A., Middlebury College, 1964.

HAROLD F. EHRET, 1963-

Instructor in Mathematics

B.A., M.A., Montana State University, 1951, 1953.

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.

JACK ANTON ELLINGSON, 1963-

Instructor in Geology and General Science

B.S., M.S., B.A., B.A.Ed., University of Washington, 1958, 1959, 1961.

GEORGE ROBERT ELWELL, 1959-

Assistant Professor of Art

B.A., Youngstown University, 1949; M.A., New York University, 1955.

DONALD RAYMOND FARMER, 1955-

Professor of Political Science

B.S. Ed., Ph.D., University of Minnesota, 1944, 1954.

M. JOSEPHINE FLETCHER, 1963-

Instructor in Nursing

B.S.N., North Park College, 1960; M.S., DePaul University, 1963.

R. BYARD FRITTS, 1949-

Associate Professor of Music

B.M., Wittenberg College, 1948; M.Mus., A.Mus.D., Eastman School of Music, University of Rochester, 1949, 1958.

EMMA S. FULLILOVE, 1964-

Instructor in Nursing

B.S., Columbia University, 1960; M.N., University of Washington, 1962.

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-

Assistant Professor of Chemistry

B.A., DePauw University, 1954; M.A., Ph.D., Harvard University, 1956, 1959.

GORDON OLIVER 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.

WAYNE M. GILDSETH, 1964-

Assistant Professor of Chemistry

B.A., Augustana College (South Dakota), 1957; Ph.D., Iowa State University, 1964.

*STEWART D. COVIG, 1958-60, 1961

Assistant Professor of Religion

B.A., St. Olaf College, 1948; B.Th., Luther Theological Seminary, 1952; M.Th., Princeton Theological Seminary, 1954; further graduate study, University of Oslo.

ROGER K. GUILFORD, 1962-

Instructor in Biology

B.S., M.Ed., University of California, 1952, 1957; M.S., Oregon State University, 1962.

ARNOLD JASPER HAGEN, 1955-

Associate Professor of Education

B.A., Concordia College, 1931; M.Ed., University of Montana, 1941; D.Ed., University of Oregon, 1955.

PHILIP ENOCH HAUGE, 1920-

Professor of Education, Academic Vice President, Dean of the College of Professional and Graduate Studies

B.A., St. Olaf College, 1920; M.A., Ph.D., University of Washington, 1924, 1942; LL.D., Pacific Lutheran University, 1960.

JOHN GREIBROK HELGESON, 1963-

Instructor in Religion

B.A., Concordia College, 1950; B.Th., Luther Theological Seminary, 1954; further graduate study, University of Edinburgh.

‡MARTHA S. HILBERT, 1959-61, 1962-

Instructor in Business Administration

B.S., Mississippi State College for Women, 1943; graduate study, Pacific Lutheran University.

*On leave, 1964-65.

‡Resigned, effective December 31, 1964.

- MARTIN E. HILLGER, 1962-
Assistant Professor of English
B.A., Valparaiso University, 1948; M.A., Northwestern University, 1949;
Ph.D., Indiana University, 1959.
- BRANTON K. HOLMBERG, 1964-
Instructor in Psychology
B.S., M.S., Central Washington State College, 1962, 1964.
- PHYLLIS B. HOLUM, 1964-
Instructor in English
B.A., Washington State University, 1963; M.A., University of Michigan, 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-
Assistant Professor of Chemistry
B.S., Ph.D., University of California, 1956, 1960.
- LUCILLE MARGUERITE JOHNSON, 1953-
Associate Professor of English
B.A., Concordia College, 1940; M.A., Washington State University, 1943;
further graduate study, University of Colorado, University of Washington,
University of Oslo, Montana State University.
- 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; D.Ed., Washington State University, 1964.
- ALBERT HUGH JONES, 1964-
Assistant Professor of Education
B.S., M.A., Ohio State University, 1951, 1955; Further graduate study, Ohio
State University.
- 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-
Associate Professor 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-

Instructor in Music

B.S., M.S., Juilliard School of Music, 1949, 1950; graduate study, Columbia University, Pacific Lutheran University, University of Puget Sound.

ERICH CARL KNORR, 1949-

Professor of Sociology, Dean of the College of Arts and Sciences

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-**

Associate 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.

RICHARD C. LANGTON, 1964-

Associate Professor of Education, Dean of Students

B.A., Pacific Lutheran University, 1947; M.A., Ph.D., University of Washington, 1949, 1950.

CAROLYN LAURSEN, 1964-

Instructor in Nursing

B.S., Pacific Lutheran University, 1959; graduate study, University of Washington.

ELSA H. LEHMAN, 1964-

Associate Professor of Nursing

B.S., Columbia University, 1953; graduate study, Boston University.

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.

OTTILIE ELISE LITTLE, 1946-51, 1952-

Professor of German

A.B., University of Illinois, 1923; M.A., University of Washington, 1926; Ph.D., Hanseatic University, Hamburg, Germany, 1937.

*On leave, 1964-65.

GENE CARROLL LUNDGAARD, 1958-

Instructor in Physical Education, Coach of Basketball

B.A., Ed., Pacific Lutheran University, 1951; M.S., University of Washington, 1964.

HAROLD FRANK MACKEY, 1963-

Assistant Professor of Sociology

A.B., Hope College, 1943; B.D., Garrett Biblical Institute, 1946; further graduate study, Washington State University.

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.

MARJORIE IRENE MATHERS, 1964-

Assistant Professor of Education

B.A. in Ed., M.A., Central Washington State College, 1953, 1961.

ELINE KRAABEL MORKEN, 1953-

Associate Professor of Nursing, Director of the School of Nursing

B.A., St. Olaf College, 1928; R.N., Emanuel Hospital School of Nursing, 1931; M.N., University of Washington, 1962.

ALICE JAMES NAPJUS, 1963-

Instructor in Education

B.A., University of Washington, 1956.

MILTON LUTHER NESVIC, 1947-51, 1953-

Assistant Professor of English; Director of Public Relations

Graduate, Pacific Lutheran University, 1935; B.A., St. Olaf College, 1937; Cand. Theol., Luther Theological Seminary, 1942; M.A., University of Minnesota, 1947.

FREDERICK LAURENCE NEWNHAM, 1950-

Associate 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, 1934, 1962.

DALE F. NIELSEN, 1962-

Instructor in Psychology

B.A., Pacific Lutheran University, 1959; M.A., Montana State University, 1962.

DONNA MAE NIELSEN, 1962-

Instructor in Nursing

B.S., Montana State College, 1959; graduate study, Montana State College.

ERIC NORDHOLM, 1955-

Assistant Professor of Speech

B.F.A., Art Institute of Chicago, 1951; graduate study, Indiana University.

PHILIP A. NORDQUIST, 1963-

Assistant Professor of History

B.A., Pacific Lutheran University, 1956; M.A., Ph.D., University of Washington, 1963, 1964.

ROBERT CARL OLSEN, 1947-

Professor of Chemistry

B.S., Ph.D., Michigan State University, 1931, 1936.

BURTON THOMAS OSTENSON, 1947-

Professor of Biology

B.A., Luther College, 1932; M.S., Ph.D., University of Michigan, 1934, 1947.

RONALD L. PATTIE, 1964-

Instructor in Biology

B.A., Concordia College, 1955; M.A., Montana State College, 1960.

DOROTHY KATHERINE PAYNE, 1959-

Instructor in Music

B.Mus., Eastman School of Music, University of Rochester, 1956; graduate study, Eastman School of Music, Vienna Music Academy.

ARNE KENNETH PEDERSON, 1956-

Assistant 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.

CHARLES ARTHUR PETERSON, 1959-

Associate Professor of Business Administration

B.S., Kansas State Teachers College, 1951; M.S., University of Tennessee, 1952; further graduate study, University of Minnesota.

ROBERT EUGENE PIERSON, 1959-

Associate Professor of Economics

B.A., St. Olaf College, 1952; M.A., Northwestern University, 1954; further graduate study, Northwestern University.

DEE ANN POULSEN, 1963-

Instructor in Health and Physical Education

B.A., Pacific Lutheran University, 1962.

HOWARD W. PURVIS, 1963-

Instructor in German

B.A., Lewis & Clark College, 1958; M.A., University of Washington, 1962.

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-

Associate Professor of English

B.A., St. Olaf College, 1943; M.A., Ph.D., University of New Mexico, 1956, 1958.

- KARL PHILIP REITZ, 1963-
Instructor in Mathematics
B.S., Pacific Lutheran University, 1961; M.A., University of Oregon, 1963.
- DONALD L. REYNOLDS, JR., 1961-
Instructor in English
B.A., Washington State University, 1951; M.A., University of Washington, 1959.
- PETER JOHN RISTUBEN, 1960-
Associate Professor of History and Political Science
B.A., Concordia College, 1955; M.A., University of South Dakota, 1957; Ph.D., University of Oklahoma, 1964.
- KELMER NELSON ROE, 1947-
Associate Professor of Religion, Greek
B.A., Luther College, 1925; B.Th., Luther Theological Seminary, 1928; M.Th., Princeton Theological Seminary, 1929.
- GEORGE ROSKOS, 1950-
Associate Professor of Art
B.S. Art Ed., Youngstown College, 1949; M.A., Iowa University, 1950.
- JUNE E. RUTH, 1964-
Instructor in Nursing
B.S., M.S., University of Colorado, 1964, 1964.
- H. MARK SALZMAN, 1951-
Associate Professor of Physical Education, Athletic Director, Coach of Track
B.A., Carthage College, 1947; M.A., University of Iowa, 1951.
- MELVIN L. SCHAMBERGER, 1964-
Instructor in Biology
B.S. in Ed., Northern Illinois University, 1962; M.S. to be conferred, Oregon State University, 1965.
- JOHANNES AUGUST SCHILLER, 1958-
Assistant Professor of Sociology
B.A., Capital University, 1945; Cand. Theol., Evangelical Lutheran Theological Seminary, 1947; M.A., University of Kansas, 1959; further graduate study, University of Washington.
- WALTER CHARLES SCHNACKENBERG, 1942-44, 1952-
Professor of History
Graduate, Pacific Lutheran University 1937;
B.A., St. Olaf College, 1939; M.A., Gonzaga University, 1947; Ph.D., Washington State University, 1950.
- THEODORE CAROL SJODING, 1951-
Professor of Education, Director of Graduate Studies
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.

CARL D. SPANGLER, 1961-62, 1963-

Assistant Professor of Spanish and French

B.A., Grove City College, 1958; M.A., Pennsylvania State University, 1959; further graduate study, Pennsylvania State University.

PAUL J. STEEN, 1960-

Assistant Professor of Speech

B.A., Pacific Lutheran University, 1954; M.S., Syracuse University, 1957.

LYNN S. STEIN, 1961-

Associate Professor of Education, Director of Summer Session.

B.A., North Dakota State Teachers College, 1937; M.A., Montana State University, 1952; Ed. D., Montana State College, 1961.

VERNON L. STINTZI, 1964-

Assistant Professor of Business Administration

B.A., Coe College, 1937; M.B.A., Arizona State University, 1964.

THEODORE JOHANNES THUESEN, 1963-

Instructor in Sociology

B.A., Augustana College, Illinois, 1949; M.A., State University of Iowa, 1955; C.Th., Grand View Seminary, 1956; further graduate study, University of Oregon.

DOROTHY MILDRED TOLLEFSON, 1961-

Assistant Professor of Nursing

B.S. in N., M.Ed., University of Minnesota, 1956, 1959.

JANET ULLELAND LABES, 1962-

Instructor in Nursing

B.S., Pacific Lutheran University, 1959; M.S., University of Oregon, 1963.

VERNON ALFRED UTZINGER, 1950-53, 1957-

Professor of Speech, Director of the School of Fine and Applied Arts

B.A., North Central College, 1922; M.A., Northwestern University, 1929; Ph.D., University of Southern California, 1952.

PAUL G. VIGNESS, 1956-

Associate Professor of Religion and History

B.A., St. Olaf College, 1918; M.A., Ph.D., Stanford University, 1924, 1930.

MARGARET D. WICKSTROM, 1951-

Assistant Professor of Religion, Assistant Dean of Students

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.

SVEN T. WINTHER, 1960-62, 1964-

Assistant Professor of Psychology

B.A., Pacific Lutheran University, 1958; M.S., Ph.D., University of Oregon, 1960, 1964.



RHODA HOKENSTAD YOUNG, 1938-42, 1943-

Assistant Professor of Physical Education

Graduate, Pacific Lutheran University, 1935; B.A., M.S., University of Washington, 1937, 1956.

DWIGHT JUDSON ZULAUF, 1949-53, 1959-

Associate Professor of Business Administration, Director of the School of Business Administration

B.S., University of Oregon, 1948; M.S., Columbia University, 1949; further graduate study, University of Washington, University of Oregon, University of Minnesota.

Assistants, Associates and Lecturers

AUDREY BETTS

B.A., Pacific Lutheran University. Assistant in Music.

R. TED BOTTIGER

B.A., University of Puget Sound; LL.B., University of Washington. Assistant in Business Administration.

HAROLD S. EASTMAN

A.B., University of Puget Sound; M.B.A., Stanford University. Assistant in Economics.

CATHERINE ELLIOTT

University of Washington, Central Washington State College. Assistant in Music.

SYDNEY ENGESET

B.F.A., M.F.A., University of Washington. Assistant in Art.

ROLF ESPESETH

B.M., Concordia College (Moorhead); M.M., Eastman School of Music; S.M.D., Union Theological Seminary School of Sacred Music. Assistant in Music.

ROBERT E. HARRINGTON

B.S., University of Utah. Assistant in Business Administration.

DONALD A. JAENICKE

B.A., University of Puget Sound. Assistant in Business Administration.

MARGARET A. KEBLBEK

B.A., Western Washington College of Education; M.A., Central Washington College of Education. Assistant in Education.

MYRTLE C. MacLENNAN

B.A., University of Puget Sound; M.A., Columbia University; further graduate study, Pennsylvania State University. Assistant in Education.

JOHN MEDNIS

B.S., Jelgava Teachers College, Latvia; B.D., Northwestern Lutheran Theological Seminary. Assistant in Russian.

GERALD E. SCHIMKE

B.A., Pacific Lutheran University; M.B.A., Harvard. Assistant in Business Administration.

ROBERT E. SCHMID

B.A., University of Puget Sound. Assistant in General Engineering.

KATHARINE R. SEGER

B.S., University of Nebraska. Assistant in Business Administration.

LOUIS J. SOUZA

B.S., M.S., Springfield College. Assistant in Health and Physical Education.

ROBERT W. STEVENSON

A.B., Stanford University; M.B.A., University of Pennsylvania, Wharton School of Commerce. Assistant in Business Administration.

ANN K. TREMAINE

B.Music, University of Oregon. Assistant in Music.

Library**FRANK HAMILTON HALEY, 1951-***Librarian*

B.A., Willamette University, 1935; B.D., Drew University, 1945; A.B.L.S., University of Washington, 1950.

ALVIN DAVID THIESSEN, 1964-*Humanities Librarian and Chief of Reference Services*

A.B., University of Saskatchewan, 1927; A.M., University of Toronto, 1928; A.B., St. Catherine's College, Oxford University, 1931; A.M.I.S., University of Michigan, 1949.

TIBOR BARTEKY, 1963*Social Sciences Librarian*

M.L.S., University of Southern California, 1961; Ph.D., Law, Ph.D., Political Science, 1948, 1951, Pazmany University, Budapest.

MIRIAM LUTH BECKMAN, 1964-*Circulation Librarian*

B.A., University of Puget Sound, 1928; M.A., Boston University, 1933; M.Libr., University of Washington, 1964.

Emeriti**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, 1914; Cand. Theol., Luther Theological Seminary, 1918; M.S., University of Washington, 1936; further graduate study, University of Washington; L.H.D., Luther College, 1960.

GEO RENEAU, 1933, *Professor Emeritus of Sociology*, 1952

Ph.B., Ph.M., University of Chicago, 1900, 1910

JOSEF EMIL RUNNING, 1948, *Assistant Professor Emeritus of Mathematics*, 1961

B.A., St. Olaf College, 1916; M.A., University of Minnesota, 1941.

FACULTY COMMITTEES 1964-1965

The first-named member of each committee is the chairman. The President is an advisory member of all committees.

COMMITTEE ON COMMITTEES: Jordahl, Gilbertson, Reigstad.

ARTIST SERIES: Gilbertson, Klopsch, Steen. Advisory members: Skones, Utzinger.

ATHLETIC: A. Pederson, Mackey, Ellingson. Advisory members: Karl, Salzman.

FACULTY WELFARE: Hagen, Young, Ostenson.

FINANCIAL ASSISTANCE: Pierson, Farmer, Newnham. Advisory members: Buchanan, Danielson.

LECTURE SERIES: Schnackenberg, Barteky, Hillger.

RELIGIOUS ACTIVITIES: Knapp, Schiller, Olsen. Advisory members: Larsgaard, Roe.

SOCIAL: Poulsen, Tollefson, Ehret. Advisory member: Dougherty.

STANDARDS: Rustiben, Guilford, Utzinger, A. Knudson, G. Adams. Advisory members: Langton, Wickstrom.

STUDENT ACTIVITIES AND WELFARE: Gerheim, Kittleson, Payne. Advisory members: Wickstrom, Langton.

ADMISSIONS: H. Adams, Elwell, Nordquist. Advisory members: Danielson, Hauge, Knorr.

COMMITTEE TO PROMOTE GRADUATE STUDIES: Leraas, E. Eklund, King. Advisory members: Sjoding, Knorr, Hauge.

EDUCATIONAL POLICIES: Arbaugh, Ranson, King, L. Stein, Christopherson, Giddings. Advisory members: Hauge, Knorr.

LIBRARY: Huestis, L. Johnson, Arbaugh. Advisory members: Hagen, Haley.

PUBLICATIONS: Reigstad, Spangler, Utzinger. Advisory members: Hauge, Knorr, Nesvig.

STUDENT ACADEMIC STATUS: Salzman, Stein, Jordahl. Advisory members: Buchanan, Hauge, Knorr, Wickstrom, Langton.

Alumni Association 1964-65

President Carl T. Fynboe
Vice-President Donald E. Strandness
Secretary Lawrence J. Hauge

*Graduates 1964***Bachelor of Arts**

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 George Henry Ahrens
 John Edwin Anderson
 Audrey Karen Arnt
 Laura A. Auby
 Donald Stephen Bailes
 Barbara Helen Bauer
 George Melvin Beard
 Darrell Victor Beddoe
 David Michael Boe
 Timothy Alan Browning
 David L. Carlson
 Bill Keyes Chapman, Jr.
 Darwin Earl Christensen
 James Allan Crabtree
 Stella Jean Cummings
 Gerald Alex Dittrich
 Kenneth James Edmonds
 Olav Simon Engen
 Jack Wayne Estes
 Gerald Wilbur Farmer
 Hans Stavig Theodore Floan
 Leslie Edward Foss
 Sharon Mae Frye
 Phillip George Goldbeck
 Frieda Beth Grimsrud
 Andrea Rachel Hagen
 Emily Margrethe Hallan
 Theona Marie Hasley
 Paul Meldahl Hegstad
 Alexia A. Henderson
 Larry Joe Hitterdale
 Kristin Laverne Hoefs
 Conrad Lloyd Hunge
 Robert Neil Husted
 Joanne Rae Jensen
 Sheila Kay Jensen
 Judith Lyvne Johnson
 Denton Roger Kees
 David Raymond Kniefel
 Marguerite Elaine Korsmo
 Arthur Eugene Lang
 David Mitchell Lang
 Arlo Joel Larson
 Howard Norman Larson
 James Edward Larson
 Ingrid Maria Lein
 Cletus Vincent Lynch, Jr.
 Michael Hunter McIntyre
 Jerrold Jackson Merchant
 Loeda Thelma Meyer
 Orlin James Monson
 A. George Nace III
 Carolyn Lee Nelson
 Jeanne Carol Ogden
 William Herbert Osness
 Hughey Orshorn Parrish
 Judith Lenore Pederson
 Gary D. Plews
 Marion Joanne Rasmussen
 John Mark Rieke
 Elaine Louise Roloson
 William Rodney Rosenblatt
 Ann Louise Schnackenberg
 Lloyd Fredrick Schneider
 Barbara Ellen Sellar
 Dan Jakobsen Selmann
 Ann Christie Soine
 Bridget Maria Smiley
 Anita Stiebrs
 Gary Lee Sund
 Gerald D. Sundby
 Keith Melvin Swenson
 Reggy Bruce Swenson
 Nancy Irene Thompson
 Marion F. Tidwell
 James Victor Trangsrud
 Paul Norman Urlic
 Denise Ann vanKonynenburg
 Peter Henry vanKonynenburg
 Stanley Ralph Warner
 Doris Carol Williams
 Phillip Andrew Yokers

Bachelor of Science

John Edward Brannfors
 Roy Kenneth Carlson
 Edward Earl Davis
 David Eric Evans
 Mark Samuel Follett
 Marvin Dale Fredrickson
 Charles Frederick Hammargren
 Dennis Dale Howard
 Donald Carl Jordan
 Gary David Lange

Gerald Louis Larson
 Cyrus Michael McNeely
 Jon Erling Malmin
 Robert Franklin Meade
 Arvin Neil Meyer
 Anthony M. Reynolds
 Nathan Paul Stime
 EngSik Tang
 Christopher Simon Tarimo
 Louis Carl Wagner, Jr.

Bachelor of Science in Medical Technology

Connye Louise Idstrom
 Joyce Carole Larson
 Mary Josephine Nelson

Norine Kay Radovich
 Veena Vasislth

Bachelor of Business Administration

John Anton Baker
 Lynn Ross Berg
 Michael George Brewick
 Gary Reynold Condray
 Dennis LeRoy Courtright
 Filmore George Enger, Jr.
 Lester Burton Goldberg
 Donald Arthur Isensee
 David Richard Jaeger

Jerry Edward Lubking
 James Edward Martin
 Peter Hanford Martin
 Calvin Jess Pullis
 J. Robert Shive
 Blair Henry Siverts
 Donald Frederick Stegmann
 Clarence Bennett Watts
 William Theodore Zier

Bachelor of Arts in Education

Eris Marie Aasland
 Diane Sue Adams
 Sharon Cecelia Aller
 Beverly Sue Anderson
 Kathleen Elise Anderson
 Terry Ray Asbjornson
 Claudette Gigi Baker
 Helen Evangeline Barnreiter
 Eddie George Baum
 Sharon Marie Baumeister
 Irma North Bendock
 Mitchell Jay Billings

Mollie Yates Bothwell
 Ingrid S. Brenneise
 Evelyn Louise Brink
 Karen Gloria Broeckel
 Mark Theodore Carlson
 Shirley Ann Carlson
 Thomas Edgar Chambers
 Joyce McClain Chatman
 Judith Lynne Chindgren
 Wanda June Cozad
 Ruth Elaine Danielson
 Robert Randall Dary



Robert David DeBolt
Eunice Jessie DeSoto
Judi Ann DeWeese
Norma Ruth Deyton
Jerry Dodgen
Gerald Vincent Dunlap
Janice Lynn Dyer
Linnea Joyce Eger
Mary Lynn Ekstrand
Evelyn Bernice Elliott
Nancy Diane Elliott
Eilene M. Emly
Barbara Kay Erickson
Mary Ann Fenimore
Carole Bierman Ferri
Richard Dean Finstuen
Dennise Carolyn Fredrickson
Jacquelynn Ann Furlong
Korin Sharon Gandrud
Robert Douglas Geisler
Carole Jane Haaland
Marilyn Deanne Hannula
Dwayne Milton Hatch
Sally M. Hatcher
Virginia Lea May Hatcher
Stuart W. Hawkins
Deana Marie Hendrickson
Alan James Hokenstad
Rainer Koch Houser
Marvin Thomas Jacobson
Melinda Ann Johnson
Robert Sherrill Julin
Karleen Ingrid Karlson
Margo Anne Knudson
Elizabeth Ann Kroll
Jerome Harry Larson
Patricia Dee Larson
Raymond William Ledyard
Dorothy Jean Lee
Warren Hexom Lee
Cecelia Raye Lind
LaVon Roberta Logan
John Mark Lono
Diane Lou Lundgren
Patricia O. McCarter

Alice Tuma McDonald
Carol Jean McGinty
Lee Charles McKnight
Nadine F. McMillan
Kenneth Dale Miller
Carolyn Elaine Moelling
Miriam Harriet Muedeking
Carolyn Jane Myers
Donald Clark Myhre
Dick Edward Nelson
Janet Lynn Nelson
Nancy Lee Nelson
Alice Kaaland Ness
Gary Matthew Nikkari
Marilyn Adell Nordlund
Dorothy Catherine Norris
Michael Robert Norris
Evelyn Southard Osborne
Clara Y. Palmer
Leslie Paul Pederson
Joan Bernice Peterson
Jerry Dean Poppen
Bessie Lucile Porteous
Lyle May Pyle
Ellen Louise Laaback Quaas
Willadine Radke
Karen Virginia Rapp
Janice Ellen Rauch
Janet Mae Reinsdorf
Jean LaRae Riggers
Maren Marie Ristuben
William Douglas Robb
Larry Dean Rodahl
Karen Kay Rommen
Marilyn Kaye Rudenick
John Oliver Ruud
Susan Marie Saari
Glenda Rae Sadler
Dallas Anne Schuler
Edith N. Skog
Darrell James Smith
Michael Charles Smith
Marvin Ray Snell
James E. Snyder
Waneta Rae Somers

Donald Arthur Swanson
Judith A. Swenson
Ronald Allen Swift
James Lambert Taylor
Kathleen Marie Taylor
Dale Richard Thompson
Lucille Daniel Thrasher
Tina Dempster Tossey
Karen Lee Vanderwarker

Bachelor of Fine Arts

Virginia Elizabeth Dryer
Virginia Lee Langford

Bachelor of Music

Emily Lou Erickson
Daniel Erik Olson

Bachelor of Science in Nursing

Judith Diane Broderson
Judy Marie Carlson
Mary Louise Crocker
Pauline Constance Elmer
Beverly Ruth Nelson Glenn
Mary Llewelyn Griffiths
Carla Aline Hansen
Sylvia Diane Larson

Master of Arts

Judd Cleveland Doughty
Donald Glenn Huseby
Dorothy Darnall Lineback

Judith Ann Waters
J. Martin Weil
Karen Charlene Westberg
Marjorie Kathleen Whisler
Marion E. Wild
Helen Louise Wills
Richard Lind Wilson
Kathleen Louise Zell
Linda Rae Zimmer

Carol Ann Menke

Merrily Ruth Worrell

Sharon Rose Matson
Marion Helen Noffsinger
Arlene Rae Olstad
Mary Louise Phelps
Betty Louise Sullivan
Beverly Jean Templeton
Arlene Leslie Thorne
Carol Lee Wyckoff

Donald H. Potter, Jr.
Myrtle Daniel Taylor



Statistical Summary

ENROLLMENT—1963-1964	Men	Women	Total
Graduates	167	167	334
Seniors	201	178	379
Juniors	212	189	401
Sophomores	210	238	448
Freshmen	262	304	566
Specials:			
Music Lessons Only	6	1	7
Auditors	35	5	40
Other Specials	17	5	22
Extension	169	86	255
Total Regular School Year	<u>1279</u>	<u>1173</u>	<u>2452</u>
Summer Session Enrollment, 1963	311	590	901
Total	<u>1590</u>	<u>1763</u>	<u>3353</u>
Students Counted Twice	134	220	354
NET TOTAL	<u>1456</u>	<u>1543</u>	<u>2999</u>

ENROLLMENT—Fall, 1964	Men	Women	Total
Graduates	70	79	149
Seniors	182	176	358
Juniors	188	186	374
Sophomores	200	209	409
Freshmen	275	332	607
Specials:			
Music Lessons Only	4	3	7
Auditors	21	5	26
Other Specials	45	9	54
Extension	46	56	102
Total Fall 1964	<u>1031</u>	<u>1055</u>	<u>2086</u>
Summer Session Enrollment, 1964	337	727	1064

GEOGRAPHICAL DISTRIBUTION—Fall, 1964

Washington	1542
Oregon	178
California	130
Montana	64
Idaho	36
North Dakota	29
Alaska	17
Minnesota	16
Hawaii	11
Colorado	8
Iowa	4
Wisconsin	4
Illinois	3
Nevada	3
Arizona	2
Michigan	2
Ohio	2
Washington, D. C.	2
Wyoming	2
Indiana	1
Maryland	1
New Jersey	1
North Carolina	1
Puerto Rico	1
South Carolina	1
South Dakota	1
Tennessee	1
Utah	1
Virginia	1
Canada	7
Madagascar	3
Germany	2
Guatemala	1
Hong Kong	1
India	1
Jamaica	1
Japan	1
Jordan	1
Kenya	1
Sweden	1
Tanganyika	1
TOTAL	2086



RELIGIOUS AFFILIATIONS—Fall, 1964

Lutheran

The ALC	975
LCA	188
Missouri	89
Norwegian Synod	3
AELC	2
Wisconsin	1
Unclassified	104
Total Lutherans	1362

Other Denominations

Presbyterian	112
Methodist	96
Baptist	79
Catholic	79
Episcopalian	60
Congregational	19
Pentecostal	14
Christian	16
Covenant	7
Christian Scientist	6
Latter Day Saints	6
Unitarian	5
Seventh Day Adventist	5
Jewish	4
Quaker	2
Greek Orthodox	1
Moslem	1
Buddhist	1
Independent Churches	52
No affiliation	159
Total Non-Lutheran	724
GRAND TOTAL	2086

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