



Pacific Lutheran University

TACOMA 44,
WASHINGTON

1962 Bulletin



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WASHINGTON

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PACIFIC LUTHERAN UNIVERSITY

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SCHOOL CALENDAR

Summer Session 1962

Registration begins at 8:30 a.m.	Friday, June 15
Classes begin at 7:30 a.m.	Monday, June 18
Independence Day, a holiday	Wednesday, July 4
First Term ends	Wednesday, July 18
Second Term classes begin 7:30 a.m.	Thursday, July 19
Summer Session closes	Friday, August 17

First Semester 1962-63

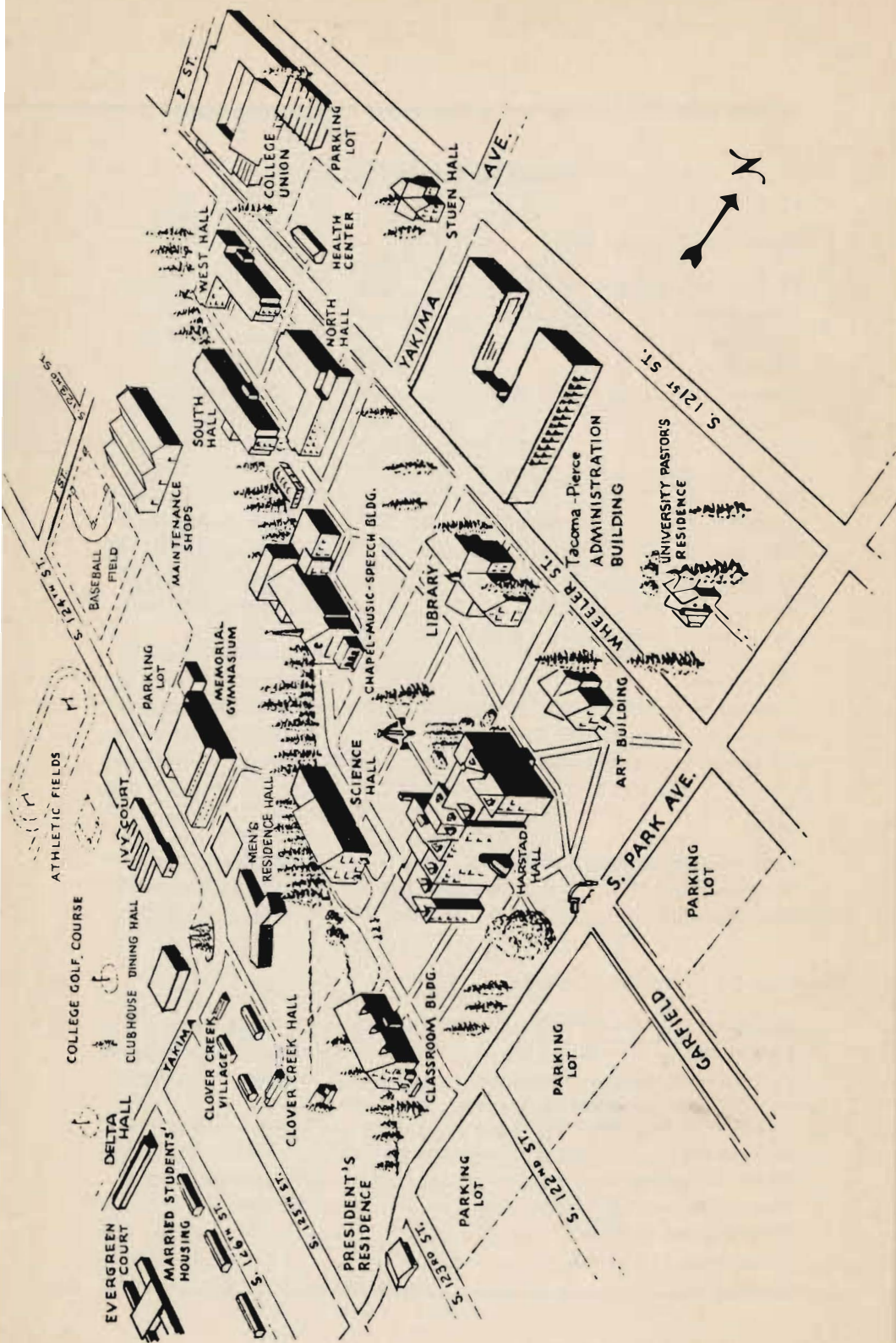
Orientation Days	Sunday, September 16—Wednesday, September 19
Registration	Monday, September 17—Wednesday, September 19
Classes begin 7:50 a.m.	Thursday, September 20
Last date for adding a course	Wednesday, October 3
Last date for discontinuing a course without receiving a grade	Wednesday, October 17
Mid-semester	Friday, November 16
Thanksgiving Recess begins 12:30 p.m.	Wednesday, November 21
Thanksgiving Recess ends 7:50 a.m.	Monday, November 26
Christmas Recess begins 9:30 p.m.	Wednesday, December 19

1963

Christmas Recess ends 7:50 a.m.	Wednesday, January 2
Examinations	Monday, January 21—Friday, January 25
Semester ends	Friday, January 25

Second Semester 1962-63

Registration of new students	Monday, January 28—Tuesday, January 29
Classes begin 7:50 a.m.	Wednesday, January 30
Last date for adding a course	Tuesday, February 13
Last date for discontinuing a course without receiving a grade	Tuesday, February 27
Mid-semester	Friday, March 29
Easter Recess begins 9:00 p.m.	Wednesday, April 10
Easter Recess ends 7:50 a.m.	Wednesday, April 17
Baccalaureate Services 11:00 a.m.	Sunday, May 26
Commencement 3:30 p.m.	Sunday, May 26
Examinations	Monday, May 27—Friday, May 31



THE UNIVERSITY

HISTORY

MEN OF VISION AND FAITH came from the Midwest in 1890 to establish Pacific Lutheran University. These Lutheran church leaders envisioned an institution which would serve church and state when they began construction of the six-story building, now called Harstad Hall. The Rev. Bjug Harstad was the founder and first president.

Located in the community of Parkland, a suburb of Tacoma, Washington, the school opened as an Academy on October 14, 1894. But the vision of its founders was not to be denied. The institution became a junior college in 1921, a three-year normal school in 1931, a college of education in 1939, a college of liberal arts in 1941, and a university in 1960.

Pacific Lutheran University is the only degree-granting school of the Lutheran church in the Pacific Northwest. Two Lutheran schools—Columbia Lutheran College of Everett and Spokane College—merged with Pacific Lutheran several decades ago.

The institution has had its greatest growth in the period since 1945 with rapid and extensive expansion of its curriculum, faculty, physical plant and enrollment.

LOCATION

The University is located in suburban Parkland, seven miles south of the city center of Tacoma, Washington. The 126-acre campus is two blocks west of Pacific Avenue (Highway No. 5 to Mt. Rainier) and two miles east of Highway No. 99. 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" on the west.

Transportation to the campus from downtown Tacoma is available on the Tacoma Transit System "Spanaway" bus which stops at the campus.

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.

OBJECTIVES

The Philosophy

Pacific Lutheran University is a Christian institution whose primary purpose is the preparation of a trained Christian citizenry through an unhampered search for truth in all areas and aspects of life.

Academic Objectives

1. To impart to the student a fund of information covering the important areas of human knowledge which will serve as material for discussion and a basis for further development.
2. To train the student in the processes and procedures for obtaining specific information.
3. To arouse in the student an intellectual curiosity and interest in his surroundings and in mankind in general, so that he will desire to grow in knowledge and understanding.
4. To develop in the student a sense of intellectual honesty and integrity.
5. To give training in professional and pre-professional courses, while continuing to emphasize the broad general training as a base for a university education.

Social Objectives

1. To provide an opportunity for the development and expression of Christian attitudes and faith.
2. To furnish wholesome recreation and Christian fellowship.
3. To provide opportunities for personal development and group recognition and, at the same time, to foster student morale and loyalty to the university.

4. To encourage students to be active and creative, gaining satisfaction from accomplishing things that to them are interesting and worthwhile.

5. To foster through an extracurricular activities program an opportunity to apply skills and knowledge gained in the classroom.

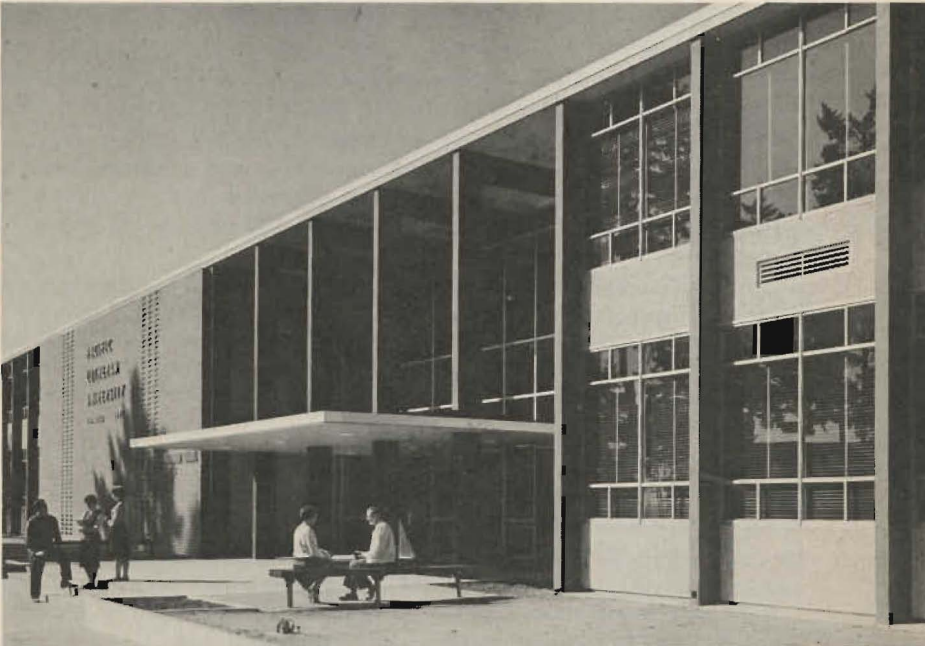
OWNERSHIP AND SUPPORT

Pacific Lutheran University is a corporation owned and operated by the Pacific Lutheran University Association, a division of the North Pacific District of The American Lutheran Church. The North Pacific District is comprised of congregations in Washington, Oregon and Alaska. Also included in the University constituency are congregations of The American Lutheran Church located in Idaho and Montana (west of the Continental Divide).

The University enjoys support from the Augustana Lutheran Church and from the Pacific Lutheran University Alumni Association.

The institution is governed by a Board of Regents which is comprised of representatives from the owning and supporting groups.

In addition to regular support from its church constituency, the University receives considerable assistance from individuals and organizations throughout the nation and world.



Tacoma-Pierce Administration building.

THE CAMPUS

The 126-acre campus is a careful blending of modern, well-equipped academic and living facilities with beautiful natural surroundings. Sweeping green lawns, flower beds, a variety of shrubs and stately Douglas fir trees enhance the campus buildings. Majestic Mt. Rainier, rising 14,410 feet, 30 miles away, dominates the setting.

Most of the university buildings are located on what is termed the "upper campus." An outdoor swimming pool, covered with a plastic air house for year-around use, is adjacent to South Hall. The "lower campus" below a slight hill, includes the gymnasium, athletic fields, a nine-hole golf course, some residence halls, the dining hall, and apartments for married students.

UNIVERSITY BUILDINGS

General

Tacoma-Pierce Administration Building, a two-story structure, was completed the summer of 1960. The building houses the administrative offices of the University, faculty offices, 21 classrooms, television studios and master control, and a small chapel-auditorium.

The Library has reading rooms for 200 students, stacks for 75,000 volumes, classrooms and faculty offices. In addition to the main collection of about 57,000 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 modern building, has laboratory, classroom, library, museum and office facilities for the departments of biology, chemistry, geology, mathematics and physics.

Memorial Gymnasium provides classrooms and activities areas for the department of health and physical education, and accommodations for intramural and intercollegiate athletics. The gymnasium proper has seating for 2,700 spectators.

The Chapel-Music-Speech Building has a 1,238-seat auditorium used for daily chapel, concerts, special events and plays. The building contains classrooms, work areas, and a radio studio for the department of speech; individual practice rooms, ensemble practice rooms, library, and studios for the department of music; a devotional chapel and offices for the student congregation.

The Classroom Building houses seven classrooms and faculty offices.

The Art Building contains classroom, laboratory and office space for the department of art.

The College Union Building contains the cafeteria, bookstore, coffee shop, lounges, student government and publications offices, banquet hall and small dining room.

The Student Health Center houses offices for the university doctor and nurses, and beds for 10 patients.

The Lower Campus Dining Hall contains a cafeteria, coffee shop, campus bakery facilities, and a golf club house with adjacent locker rooms for men and women.

The Warehouse and Shops are used in the maintenance of the physical plant.

Residence Halls for Women, 1962-63

Harstad Hall accommodates 260 students and has three lounges, kitchen facilities, recreation room and self-service laundry.

South Hall accommodates 131 students. Its facilities include two large lounges with kitchens, two small kitchen units with attached study lounges, self-service laundry, and special accommodations for commuting students.

West Hall houses 131 students. Its facilities include two large lounges with kitchens, two study lounges, and self-service laundry.

North Hall houses 115 students and its facilities are similar to those of West Hall.

Stuen Hall houses 14 students and has a lounge.

Rasmussen Hall houses 10 students.

Residence Halls for Men, 1962-63

Alpha Hall accommodates 200 students. It has one formal lounge, one recreation lounge, two study rooms, and laundry facilities in each wing.

Ivy Hall houses 82 students and has a lounge with kitchen and self-service laundry.

Evergreen Court houses 69 students. Its 24 units have private baths and individual entrances. A lounge and self-service laundry are attached.

Clover Creek Hall houses 24 students and has a lounge and self-service laundry.

Delta Hall has 20 rooms which accommodate 40 men. Each room has an individual entrance and a private bath. A part of the building is given to laundry facilities and a lounge.

Other Living Units

The president's home is a brick-rambler located on the corner of Park Avenue and 123rd Street.

Cramer Cottage is a two-story frame house used as the residence of the student congregation pastor and his family. It is located on the corner of Park Avenue and Wheeler Street.

University Apartments are one-story frame units for married students.



"Study to show thyself approved unto God, a workman that needeth not to be ashamed, rightly dividing the word of truth." — II Tim. 2:15

ADMISSIONS

IN ACCORDANCE WITH its general purpose, the University will admit as students men and women of good moral character and health who are qualified by previous training and who show promise of being able to benefit from the courses they intend to pursue.

The approval of an application is based upon a thorough study of the various factors significant as criteria for success in education.

The Committee on Admissions, in judging the qualifications of applicants, pays particular attention to academic performance in high school, including rank in class and grade point average; the kind of courses taken; scores made on the College Entrance Examination Board Scholastic Aptitude Test; character, health, and extracurricular interests and achievements of the applicant.

FRESHMAN ADMISSION PROCEDURES

An applicant seeking admission to the University as a freshman should address a letter of inquiry to the Director of Admissions. In order to be considered for admission, prospective students must submit the following credentials:

1. A formal application for admission, made on the uniform blank used by the institutions of higher learning in the State of Washington. These forms may be procured from high school principals or upon request from the Director of Admissions.

A student may begin the application for admission process after October 1 of his senior year in high school. However, action on the application will not be made until the University receives the applicant's high school transcript which includes grades through the seventh semester.

It is recommended, but not required, that the high school course of the 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.

2. College Entrance Examination Board scores. The applicant must take the College Entrance Examination Board Scholastic Aptitude Test and specify that the results are to be sent to this University. Information regarding this examination may be obtained from the applicant's high school principal or guidance office, or from the College Entrance Examination Board, Box 27896, Los Angeles 27, California. Applicants are urged to write early in their senior year of high school to the CEEB for its Bulletin of Information.

3. Recommendations from two people personally acquainted with the applicant, preferably a pastor, teacher or employer. Recommendation forms may be obtained from the University. Such recommendations should be mailed directly to the Director of Admissions. If possible, a personal interview with a representative of the University should be arranged.

4. Physical examination record. Prior to registering in the University, all new students must take a physical examination given by their home physician. The necessary blanks for this examination are forwarded to the student with the notice of his or her admittance to the University. Students will not be permitted to register until evidence of the physical examination has been recorded by the Student Health Service.

ADMISSION TO ADVANCED STANDING

Students who transfer from accredited institutions of collegiate rank must submit complete official transcripts and records, including a statement of honorable dismissal, and recommendations from two people personally acquainted with the applicant. See (3) above. A physical examination record is also required. See (4) above.

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.



Highlight of orientation week for new students is the faculty reception. Here two students meet the president, his wife and the dean.

ADMISSION TO THE GRADUATE SCHOOL

The procedure for admission to the Graduate School 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.

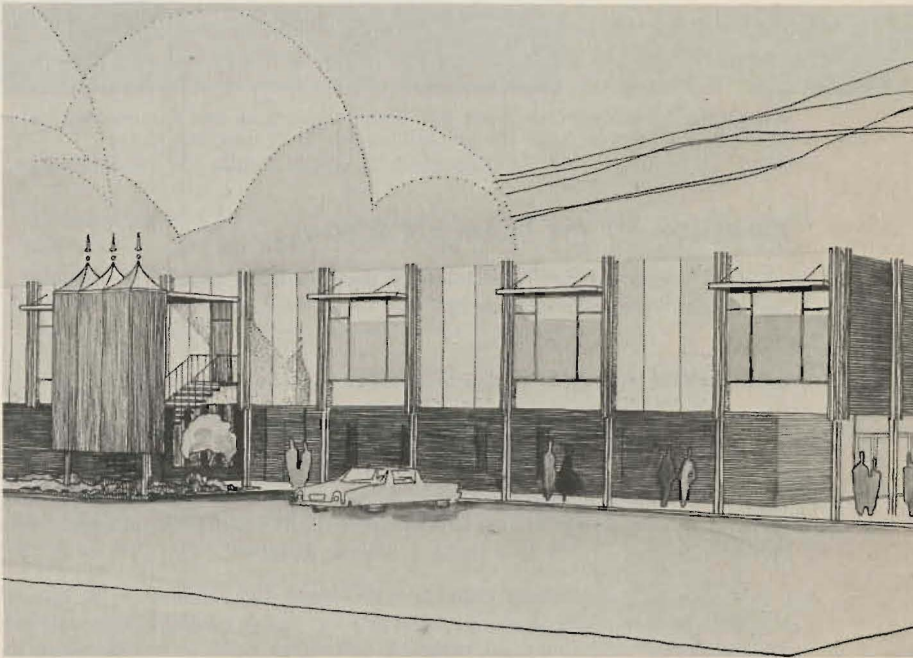
2. Mature individuals who are ineligible for admission as regular students and who are deemed competent by virtue of their demonstrated ability, or by their practical training and experience, to benefit from the courses they desire to take. Students in this category may apply for admission as regular students after they have successfully removed the deficiencies in their earlier preparation.

AUDITORS

A regular or special student may audit a course provided he secures the approval of the Registrar and the instructor of the course. 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.

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.



Construction was scheduled to begin this year on this structure which will house dining facilities for 400 students and pro shop, snack bar and clubhouse for the golf course.

FINANCES

IT IS THE POLICY of the University to maintain high educational standards at a low cost to its students. The support of the cooperating Lutheran Synods and friends who contribute toward the operation of the school enables the University to charge a lower tuition rate than would otherwise be possible.

GENERAL FEES

TUITION, per semester, 12 to 16 hours	\$350.00
Private lessons and laboratory fees are not included in the general tuition.	
MATRICULATION (Paid only by students entering for the first time)	5.00
GENERAL FEE, per semester, 8 hours or more	26.50
HEALTH SERVICE FEE, per semester	10.00
LIBRARY FEE, per semester	10.00
SAGA, (yearbook) per year, payable first semester	7.00
STUDENT ARTIST SERIES, payable first semester	4.00
SWIMMING POOL CONSTRUCTION FEE, per semester	6.00

SPECIAL FEES

TUITION FOR LESS THAN TWELVE HOURS, per credit hour	30.00
This charge does not include private lessons. The General Fee will be prorated for less than eight hours.	
AUDIT, per credit hour	10.00
CHANGE IN REGISTRATION	1.00
GRADUATION AND DIPLOMA (each degree)	15.00
LATE AFTERNOON AND EVENING CLASSES (only), per credit hour	20.00
No general fee. All laboratory fees will be extra.	
EXCESS REGISTRATION, above 16 hours, per credit hour	15.00
ROOM AND RESERVATION DEPOSIT, dormitory room	35.00
LATE REGISTRATION, \$1.00 per day, maximum	3.00
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	1.00

CLASS AND LABORATORY FEES

ART 112, 231, 325, 331, 332, 425, 431, 432	3.00
ART, 111, 210, 213, 215, 219, 313, 315, 316, 415, 416	5.00
ART 450, minimum fee	3.00
BIOLOGY (all laboratory courses)	7.50
BUSINESS ADMINISTRATION 103, 311, 314, 315, 381	5.00
BUSINESS ADMINISTRATION 141, 142, 342	10.00
CHEMISTRY (all laboratory courses 100 to 199)	7.50
CHEMISTRY (all laboratory courses 200 and over)	10.00
CHEMISTRY BREAKAGE FEE (Portion not used refunded)	9.00
ECONOMICS 381	5.00
EDUCATION 315	2.50
EDUCATION 441	5.00
EDUCATION 463, a, b, c, d Student Teachers' Service	12.00
GEOLOGY 101, 102, 121	7.50
MUSIC 110, 140	10.00
NURSING 235, 236, 335, 336, 435, 436, 475, 476	5.00
PHYSICAL EDUCATION 101-110, 202, 205-207, 274 (towel fee per semester)	1.50
PHYSICAL EDUCATION 204	14.00
PHYSICS (all laboratory courses)	7.50
PSYCHOLOGY 441	5.00
PSYCHOLOGY 451	2.00
SCIENCE 121, 122	5.00
SOCIOLOGY 441	5.00
SPEECH 270, 370	3.00

PRIVATE MUSIC FEES

CHOIR GOWN RENT, per year, payable first semester in attendance	2.00
BAND UNIFORM RENT, per year, payable first semester in attendance	2.00
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 No refund is made on these fees.	7.50
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

MEMBERSHIP FEES FOR MUSIC

CHOIR	5.00
CHORUS	3.00
CONCERT BAND	3.00
CONCERT ORCHESTRA	3.00
MADRIGAL SINGERS	3.00

BOARD AND ROOM

Board is furnished in the University Dining Halls at \$190.00 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 is required to reserve a room. \$10.00 is held as a key and breakage fee for the year. \$25.00 is held as a room deposit by the University until the student is graduated or withdraws from the University. The deposit of \$35.00 is refunded if withdrawal is made before July 1.

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

Telephone fee, each resident student, per semester \$ 2.50

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

Women (1962-63)

Harstad Hall, capacity 262	\$310.00
South Hall, capacity 143	310.00
North Hall, capacity 143	310.00
West Hall, capacity 160	310.00

Men (1962-63)

Alpha Hall, capacity 200	310.00
Clover Creek Hall, capacity 24	260.00
Evergreen Court, capacity 69	300.00
Delta Hall, capacity 40	310.00
Ivy Hall, capacity 81	260.00 to 300.00
Stuen Hall, capacity 14	280.00
Rasmussen Hall, capacity 10	280.00

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 FEES PER SEMESTER

The following table will aid the students in estimating the minimum and maximum expenses, respectively:

Tuition	\$350.00	\$350.00
Board and Room	260.00	310.00
General Fee	26.50	26.50
Other Required Fees	37.00	42.00
Books and Supplies	30.00	40.00
	<u>\$703.50</u>	<u>\$768.50</u>

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

PAYMENTS AND ADJUSTMENTS

Semester bills must be paid or arranged for before the first day of classes each semester. A time payment schedule may be arranged providing:

A. Students living in the University residence halls pay at least three hundred dollars (\$300.00) before the first day of classes each semester. Students not living in University residence halls pay at least two hundred dollars (\$200.00) before the first day of classes each semester.

B. The balance is paid in two equal payments in the two months following registration. These payments will be due on dates set when the student registers.

C. A fee of five dollars (\$5.00) is paid for servicing time payments if not paid in full by November 20 or April 20, respectively.

An interest-bearing note will be required for unpaid charges. All notes must be paid within the semester in which they are issued and require acceptable endorsers. Students who fail to meet payments when due may be denied admission to classes. Students will not be admitted to semester final examinations until all obligations to the University have been satisfied.

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

The University reserves the right to withhold statement of honorable dismissal, transcript of records, or diploma, until all University 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 a student from loans or scholarships, or for work performed for pay must be applied on the student's bill and is not given in cash.

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.	
No room refund is given.	

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.

INSURANCE

The University carries no insurance covering the personal effects of the students or the faculty members. The University cannot be held accountable for any losses.

UNIVERSITY RESERVATIONS

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.

SCHOLARSHIPS

Scholarships are awarded by the University in recognition of high scholastic achievement, and as an encouragement to promising students who are dependent in large measure upon their own efforts to secure a university education. In selecting scholarship recipients, the Committee will consider the applicant's academic record, need, letters of recommendation and credentials pertaining to leadership in school, church and community. To be eligible for consideration, a student must have at least a B average and rank in the upper 10 per cent of his class.

Scholarships will vary in amount from \$100 to \$650, and will be for one year. Applications for renewal of scholarships must be submitted in writing each year prior to May 1.

Awards are available to students with outstanding ability and achievement in music, forensics, athletics, and other extra-curricular activities. The amount of these awards will be determined by the committee in consultation with an authorized faculty member.

Applications for scholarships or awards must be made on the appropriate forms to the chairman of the Committee on Scholarships at least 60 days prior to the academic year for which the scholarship is desired. No scholarship application will be considered until the application for admission, transcript, and proper recommendations have been submitted. In any one semester a student may receive only one award or one scholarship from the University.

Pastors and unmarried children of pastors are to be given scholarships in the amount of \$100 for each school year. These scholarships are to be granted 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 scholarships, the amount to be announced at the time of registration.

Scholarships 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.

The American Association of University Women provides a \$100 scholarship annually to a junior woman.

The Augustana Churchmen of the Augustana Lutheran Church awards one scholarship each year on a four-year basis, payable at the rate of \$125 per year and granted only to a member of an Augustana Lutheran Church congregation.

The Columbia Conference Augustana Lutheran Church Women provides scholarships for students of the Columbia Conference.

The Columbia Conference Luther League Scholarship (\$150) is awarded annually to an entering freshman who is a member of the Augustana Lutheran Church.

The Dr. Richard Blandau Scholarship of \$150 is awarded annually to an outstanding junior student majoring in biology for use in the senior year.

The Dr. and Mrs. W. B. Burns Fund (\$10,000) provides interest income that is awarded to young men showing outstanding ability and leadership qualities in athletics.

The Ida A. Davis Fund, established in 1949, provides income for scholarships to worthy students.

The Olaf Halvorson Scholarship is awarded to encourage the study of Norwegian culture and is offered as an inducement to worthy students in the department of Norwegian.

The W. H. Hardtke Seminary Student Scholarship Fund provides for two \$100 scholarships annually.

The Rev. Karl Kilian Memorial Fund was established during the school year 1959-60 in memory of J. Howard Annis. It is directed that the interest on the fund shall be given annually to needy and worthy pre-seminary students and shall be administered by the President of the University.

The Dr. William Ludwig Scholarship (\$100) is given annually to a promising junior student majoring in biology for use in the senior year.

The Ladies of Kiwanis Award provides a \$150 scholarship annually to a junior woman.

The Lutheran Brotherhood Legal Reserve Life Insurance Company grants three annual scholarships of \$300 each to high ranking students to be used during their senior year.

The Tacoma Kiwanis Club annually gives a \$300 scholarship to a Tacoma high school graduating senior chosen by the high school administration. This scholarship to the University is rotated each year between Lincoln and Stadium High Schools.

The Women of Rotary Scholarship provides a \$150 scholarship to a junior woman.

The Gordon J. Storaasli Scholarship (\$150) is given annually to a junior or senior student who is a member of the Augustana Lutheran Church.

The Tacoma Chapter of Altrusa Club provides a \$100 scholarship annually for a University woman.

STUDENT LOAN FUNDS

The University administration is enabled to help students who are in need of financial assistance through the various student loan funds. Unless otherwise stated, the loan funds are administered by the President of the University.

The Alumni Association Loan Fund for students needing financial aid is administered by the Business Office.

The American Lutheran Church Student Loan Foundation provides opportunity for university and seminary students of good Christian character and ability who need financial help to complete their education.

The Anton Anderson Loan Fund is used for needy students. The fund is administered by the Business Office.

The John S. Baker Loan Fund in the amount of \$10,000 was established in 1950. This money is lent to needy and worthy students at a nominal rate of interest.

Delta Kappa Gamma, a women's honorary teacher organization, has established a Student Loan Fund to give financial aid to worthy junior and senior girls in the field of education.

The Lily C. Ekern Fund is used as an aid to outstanding students needing financial assistance.

The Leona M. Hickman Student Loan Fund, established in 1936, provides assistance to men students resident in King County on the basis of need, character, scholastic record, and ability for self-help. The amount available is in excess of \$100,000. All loans bear interest at 5% and must be approved by the Hickman Student Loan Fund Committee. Further information may be obtained from the Trust Department of the Peoples National Bank of Washington, 1414 Fourth Avenue, Seattle, Washington.

The Marie Huth Loan Fund was established during the school year of 1951-52. This money is to be lent to needy and worthy students at a nominal rate of interest and thus be of perpetual assistance to those who will come under the provisions of this gift.

The J. P. Pflueger Student Loan Fund was established during the school year 1952-53 in memory of the late Myrtle Pflueger and in honor of the late Dr. Pflueger, professor at the University from 1930 to 1960.

The O. J. Stuen Alumni Loan Fund, established in memory of Professor O. J. Stuen in 1953, is administered by the Alumni Association in conjunction with the President of the University.

The O. A. Tingelstad Loan Fund was established in memory of Dr. O. A. Tingelstad in 1953 by the Board of Regents of the University.

The Women's Missionary Federation of the Evangelical Lutheran Church, in 1950, gave \$1,500 as a loan fund to the University. It is directed that the principal shall be loaned to needy and worthy juniors and seniors.

The Jeanette Olson-Diana Paul-Miriam Stoa Memorial Student Loan Fund was established in 1958 in memory of the three students named. This money is available to needy and worthy students at a nominal interest rate.

The National Defense Student Loan Program was enacted by the 1958 Congress to assist needy students to obtain an education. Applications for loans are made to the Committee on Scholarships at the University. Any student may apply but priority is given to those planning to teach in public schools and to outstanding students in science, mathematics and modern languages.

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 resident physician, one full-time nurse, and assistants supervises all personal and community health problems on the campus.

All full-time registered students are required to pay a \$10.00 per semester health fee. This fee includes treatment at the Health Center for minor disorders and includes accident coverage to \$500.00 (medical) and to \$50.00 (dental) 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. The same injury and medical coverage is extended to all athletes participating in intercollegiate sports.

All new students or returning 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.

Infirmiry care is available on physician's order. Students who are not registered at the University Boarding Club must pay an additional \$2.50 a day for board.

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.

All students who have been absent due to illness must report to the Health Center before returning to classes. Medical excuses for classes missed are issued only to students who have notified the Center at the time of their illness.

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.

SPECIAL COUNSELING SERVICES

Assistance to every student is available through the staffs of all departments. Faculty members meet the requests of students for private conferences concerning questions the students may have.

In certain areas in which the requests for assistance are more numerous than in others, the University has made provision for specialized services.

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

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. A member of the staff of the University 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 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 veterans and eligible orphans of veterans must carry fourteen semester hours.

Students qualifying under the War Orphans' Bill, Public Law 634, should obtain the certificate of eligibility as stated above.

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

BOARDING CLUB

Students living in residence halls are required to take their meals at the boarding club located in the College Union Building. 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 eat at the boarding club.

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 SHOP

The University operates a coffee shop in the College Union Building. The shop is open daily and dispenses short orders for commuting students.



The Coffee Shop in the College Union is a popular spot for students to meet and chat over a Coke or cup of coffee.

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 promoting 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 are cautioned not to 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.

ASSOCIATED WOMEN STUDENTS, ASSOCIATED MEN STUDENTS—general organizations of which all full-time students become members.

CIRCLE K—affiliate of National Kiwanis.

INTER-CLUB COUNCIL—coordinator of all student activities.

DELTA RHO GAMMA—social organization for off-campus women students.

LADY LUTES—for married women students and wives of students.

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

TOASTMASTERS, TOASTMISTRESSES—affiliates of national clubs.

Honorary and Service

ALPHA PSI OMEGA—national drama fraternity.

BLUE KEY—national junior and senior men's service honorary.

PI KAPPA DELTA—forensic honor fraternity.

SPURS—national service honorary for sophomore women.

TASSELS—local honorary for senior girls.

PI GAMMA MU—national social science honor society.

Athletic

ATHLETIC ASSOCIATION—local organization for Evergreen Intercollegiate Conference.

LETTERMEN'S CLUB—social organization for men who have won letters in one or more major sports.

SKI CLUB—for students interested in individual or competitive skiing.

MEN'S INTRAMURALS—for students wishing to participate in limited but not intercollegiate sports activities.

Departmental

ALPHA SIGMA LAMBDA—planning group for Alpha Kappa Psi, national professional business fraternity.

AMERICAN CHEMICAL SOCIETY—local chapter for national society.

ART LEAGUE—for art students.

KAPPA RHO KAPPA—service and social club for students interested in Greek.

LINNE SOCIETY—for biology students.

LITERARY CLUB—for students interested in creative writing.

PROPELLER CLUB—for students in Business Administration.

SEA (RHO LAMBDA CHI)—local chapter of Student National Education Association.

DELTA IOTA CHI—for nursing students.

PSYCHOLOGY, SOCIOLOGY, POLITICAL SCIENCE, ENGINEERING—for students interested in each study.

FRENCH, GERMAN, SPANISH, VIKING CLUBS—for students interested in languages.

CURTAIN CALL—for students interested in drama.

DEBATE SQUADS—junior and senior divisions for students interested in intercollegiate competition.



This year around recreational pool is covered with a plastic "bubble" and is located next to the residence halls.

Musical

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.

ORCHESTRA—for students having knowledge of orchestral instruments.

BAND—all university organization for those interested in band instruments and music. Pep Band plays at athletic contests.

ORGAN GUILD—student chapter of American Guild of Organists.

MU PHI EPSILON—local chapter of National Music Sorority.

Religious

STUDENT CONGREGATION—under the leadership of the University Pastor, John O. Larsgaard. It is not an incorporated and legal congregation; it 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, and the Lord's Supper is celebrated the first Sunday evening of each month in the University Chapel.

LUTHERAN STUDENTS' ASSOCIATION—local for Lutheran Students' Association of America.

MISSION CRUSADERS, PRAYER SERVICE, CAMPUS DEVOTIONS—service groups of Student Congregation.

PHI DELTA EPSILON—club for young women interested in full-time Christian work.

University 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.

The University maintains the right to exercise supervision over the work, conduct, and recreational activities of all students.

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

The administration does not encourage the student to keep an automobile. If it is necessary for him to use an automobile while attending the University, he must register with the Dean of Students to obtain a permit.

CHAPEL

Chapel exercises are held Monday through Friday, and attendance is required except on student body day. Excuses for absences must be filed with the office of the Dean of Students within one week after the absence has occurred. More than four unexcused absences during any one semester may result in suspension of the student.

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 Inter-Club Council and the Assistant Dean of Students.

ROOM ASSIGNMENTS

All students, except those living with parents, are required to live in dormitories on campus whenever rooms are available. If students cannot be accommodated in the dormitories, the University will make the necessary provision for housing. Room fees of students assigned to private homes will be applied toward their bill or refunded after registration.

Application for housing should be made as early as possible but not before admission to the University has been confirmed. No student may complete registration who does not hold a placement card signed by the appropriate University personnel. This identification card also serves as a temporary meal ticket during the first two weeks of school. Applications for housing are filed in the order of the date of application. If a student has not arrived by the day prior to the beginning of classes, the room reservation will be automatically cancelled. All placement preference lists are automatically obsolete after the fall or spring opening dates of the University residence halls. Any room changes must be approved by the Director of Housing (men) or by the Assistant Dean of Students (women).



Homecoming queen and princesses rule over colorful festivities each fall.

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 for new students, will be assigned in the order of receipt of room applications.

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, table, chairs, and beds.

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 eleven 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 residence halls have mostly double and triple rooms with a limited number of single rooms. Evergreen Court, Ivy Court (Units B, C, D), North Hall, South Hall, and West Hall are provided with draperies and bed spreads. Residents of other dormitories furnish their own. All dormitory rooms are provided with single beds, chests of drawers, study desks, and chairs. Students furnish personal items including sheets, pillow cases, pillows, blankets, and towels. The use of electrical appliances — except radios, clocks, irons, and reading lamps — must have the approval of the Dean of Students or the Assistant Dean. Electric blankets and television sets are 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 either the Dean of Students or the Assistant Dean of Students or their representatives. A final inspection of each room must be made before a student may leave at the end of the spring semester or at any time that he withdraws from the University. If the room has been approved by the Dean of Students or the Assistant Dean of Students, a \$10.00 key and damage deposit is returned at the end of the school year to the student, providing he has been in residence both semesters.



Typical study-bedroom in the women's residence halls

ACADEMIC PROCEDURES

ACADEMIC COUNSELING

TO AID THE INDIVIDUAL student in making the best possible adjustment to university life, a comprehensive counseling and guidance program is in effect.

The academic counseling program is under the general supervision of the Dean of the University. Before the freshmen arrive on the campus they are assigned to faculty counselors. These counselors are selected not only because of their mastery of an academic field, but also because of their interest in working with students. The faculty adviser meets with a student to assist him in mapping his course of study and to approve his first semester's courses. The adviser is available for counseling at any time during the semester, and always meets with his advisee at each registration period. The adviser is available for counseling at time during the semester, and always meets with his advisee each registration period. This adviser-student relationship is maintained throughout the freshman and sophomore years so that the student may have a faculty member follow his plans and courses in detail. A request for a change of adviser may be directed in the Registrar.

By the close of the sophomore year the student is required to choose a major study and have it accepted by the department and the college or school concerned. On his acceptance in a major department within a college or school, the student is assigned to the chairman of that department who acts as his major adviser. When there is but one department in a school, the student will be assigned to the dean of the school or one of the professors. In some instances a student may be assigned a major adviser at the end of his freshman year if he has determined his field of major interest. Major advisers counsel students in upper division academic planning.

REGISTRATION

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 registering and in planning their courses.

A student is not officially enrolled in a class until the instructor has received a class card from the registrar's office.

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 not less than 17 weeks.

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 or school 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

Change of registration slips may be obtained in the registrar's office.

Subjects may not be changed or dropped without permission of the dean of the college or school in which the student is registered. Changes in registration to eliminate conflicts and to correct mistakes in registration will be permitted during the first week of the semester. No change in registration is valid until it has been filed in the business office.

A student is not permitted to add a course after the second week of class meetings. Changes in registration are subject to a fee of one dollar.

WITHDRAWALS

A student wishing to withdraw from the University or from a specific course must secure a withdrawal slip from the registrar's office and get the approval of the dean of the college or school 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, poor; E, failure. The letter P is used when credit has been allowed without defining the grade, and has no bearing upon the student's grade point ratio.

Special circumstances may warrant the use of the temporary mark I (incomplete) to indicate that the student is doing passing work in the course but has been unable to complete a major assignment because of factors beyond his control. An I is not given when the student has neglected his work or failed to take the final examination. The instructor giving an I must file with the dean of the college or school 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 his cumulative grade point ratio will then be based upon the average of his two grades.

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

In order to be eligible to hold office in student organizations, to represent the University in intercollegiate contests of any kind, to participate in dramatic or musical performances, or to be on the staff of either the Saga or the Mooring Mast, a student must be registered for at least 12 hours; furthermore, he must have earned a grade point average of 2.00 during the previous semester and must maintain a cumulative 2.00 grade point average.

Participation in intercollegiate athletics is governed by the code of the Evergreen Intercollegiate 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.

HONOR 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 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.

ACADEMIC ORGANIZATION

UNIVERSITY REQUIREMENTS

THE PROGRAMS of study offered by the University are organized into the following college and schools:

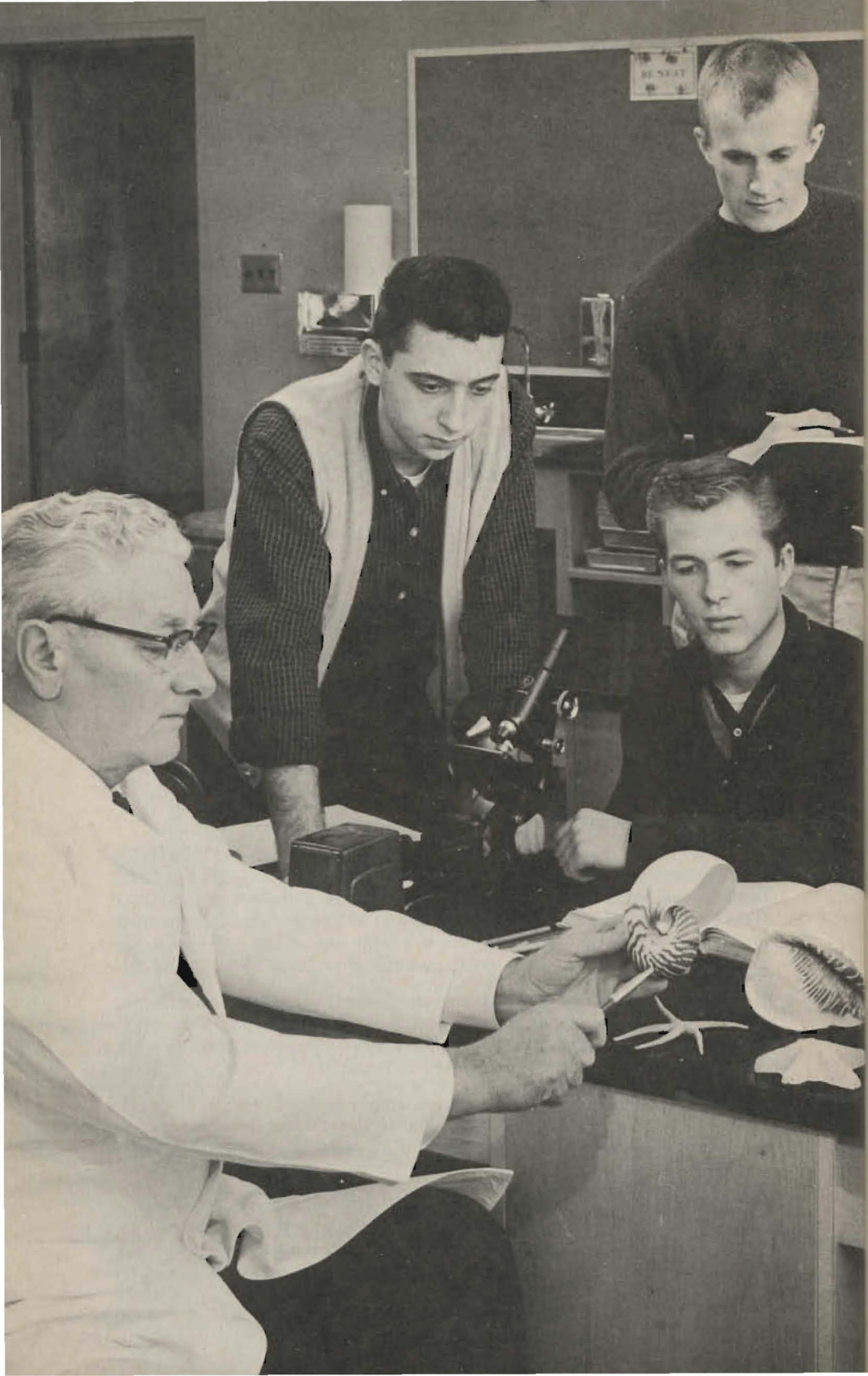
- College of Arts and Sciences
- School of Business Administration
- School of Education
- School of Fine and Applied Arts
- School of Nursing
- Graduate School

A candidate for a bachelor's degree must meet the general University requirements with reference to registration, residence, fees, and academic load. He also must meet the specific requirements of the college or school from which he expects to receive a degree. The candidate must present credit in approved courses amounting to a minimum of 128 semester hours and have maintained a grade point average of at least 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 years is required.

A candidate for the master's degree must meet the general University requirements. He must earn a minimum of 30 semester hours in credits acceptable for the advanced degree with a grade point average of 3.00 or better.

A student should familiarize himself with all general regulations of the University and is responsible for complying with them as well as with the particular requirements of the college or school in which he takes his degree.



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.

General Course Requirements

Candidates for the Bachelor of Arts and Bachelor of Science degrees must meet the following general course requirements:

1. **English Composition and literature. Requirement: 9 hours**
Composition 101, 102 (6 semester hours) is required of all freshmen. Any three-hour course in literature will complete this requirement, which ought to be fulfilled by the end of the sophomore year in most programs.
2. **Fine Arts. Requirement: 3 hours**
This requirement may be met by a course in art or music. Applied music courses will not meet this requirement.
3. **Foreign Languages. Requirement: 14 hours**
All students must have a minimum of 14 semester hours of classical or modern language in high school and college combined. Students who present two units in one classical or modern language at entrance are required to earn six additional credit hours in the same language. Students presenting four units in one language at entrance are not required to take a foreign language in college.
4. **Health and Physical Education. Requirement: 4 hours**
Physical education activities must be taken during the freshman and sophomore years.
5. **Religion. Requirement: 8 hours**
Underclassmen must complete Religion 101, 112, 201, 202 (in successive semesters).
6. **Philosophy. Requirement: 3 hours**
This requirement may be met by Philosophy 201, 300, 312, or 301 and 302. Philosophy 461 may be taken to meet the requirement only upon written permission from the chairman of the philosophy department.

Biology students study the marine life found in nearby waters of Puget Sound and the Pacific Ocean in addition to specimens brought in from other areas.

7. Science. Requirement: 8 hours

Before the end of the sophomore year, eight hours in one science is to be completed. This requirement may be satisfied by any one of the following year courses: Biology 101, 102 or 131, 132 or 141, 142; Chemistry 111, 112 or 121, 122; Geology 101, 102; Physics 151, 152 or 261, 262.

8. Social Sciences. Requirement: 15 hours

The 15 hours required in social sciences must be taken in the departments of economics, geography, history, political science, psychology and/or sociology. Only six hours in any one department may be applied toward the fifteen hour requirement. A year course (six hours) in history is required.

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*

First Semester	Hrs.	Second Semester	Hrs.
Engl 101 Composition	3	Engl 102 Composition	3
Foreign language	3 or 4	Foreign language	3 or 4
Rel 101 Life of Christ or Rel 112 History of the Christian Church	2	Rel 101 Life of Christ or Rel 112 History of the Christian Church	2
Science (a year course)	4	Science (a year course)	4
Social science or mathematics	3 or 4	Social science or mathematics	3 or 4
PE activity	1	PE activity	1
	<u>16 or 17</u>		<u>16 or 17</u>

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

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

Freshman Year	Hrs.	Sophomore Year	Hrs.
Engl 101, 102 Composition	6	History 103, 104 or 203, 204	6
Chem 121, 122 Inorganic Chemistry and Qualitative Analysis or	8	Chem 112 or 203 Organic Chemistry	4
Chem 131, 132 Chemical Principles	5	Biol 131, 132 General Zoology	8
Foreign language 101, 102	8	Foreign language 201, 202	6
Rel 101 Life of Christ	2	Rel 201 The Bible—Old Testament	2
Rel 112 History of the Christian Church	2	Rel 202 The Bible—New Testament	2
Math 131 College Algebra	3	Social science requirement	3
Social science requirement	3	PE activity	2
PE activity	2		—
	<u>33</u>		<u>33</u>

Junior Year		Hrs.	Senior Year		Hrs.
Chem 321 Quantitative Analysis		4			
² Philosophy requirement		3			
Biol 201 Microbiology		4			
Biol 274 Microtechnique		2	Specialized technical training		30
³ Literature requirement		3			
Fine arts requirement		3			
³ Social science requirement		3			
Biology 361, 371, or 441		4			
Electives		5-8			
		<hr/>			
		31-34			

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

²Qualification for Mathematics 200 will fulfill this requirement.

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

Freshman Year		Hrs.	Sophomore Year		Hrs.
Art 110 Introduction to Visual Arts	3		G E 151, 152 Engineering Drawing and Descriptive Geometry	4	
Chem 121, 122 Inorganic Chemistry and Qualitative Analysis	8		Hist 103, 104 History of Western Europe or Hist 203, 204 American History	6	
Engrl 101, 102 Composition	6		Math 201, 202 Analytic Geometry and Calculus	6	
G E 101 Engineering Problems	2		Phys 261, 262 General Physics	10	
Math 112 Trigonometry	2		Rel 201 The Bible—Old Testament	2	
Math 131 College Algebra	3		Rel 202 The Bible—New Testament	2	
Math 200 Analytic Geometry and Calculus	4		PE activity	2	
Rel 101 Life of Christ	2				32
Rel 112 History of the Christian Church	2				
PE activity	2				
		34			
Junior Year					
Econ 300 General Economics	3		Science electives	11-16	
Literature elective	3		Social science electives	6	
Philosophy Requirement	3		Spch 101 Fundamentals of Speech	3	
Phys 342 Mechanics	4				33-38



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.

Pre-Medical and Pre-Dental Curriculum

Freshman Year		Hrs.			
Biol 131, 132 General Zoology	8	Rel 101 Life of Christ	2		
Engl 101, 102 Composition	6	Rel 112 History of the Christian Church	2		
*Foreign language 101, 102	8	PE activity	2		
Hist 103, 104 History of Western Europe or					
Hist 203, 204 American History	6		34		
Sophomore Year		Hrs.			
Art 110 Introduction to Visual Arts	3	Math 151 College Algebra and Trigonometry	4		
Biol 231 Genetics	3	Rel 201 The Bible—Old Testament	2		
Chem 121, 122 Inorganic Chemistry and Qualitative Analysis	8	Rel 202 The Bible—New Testament	2		
Foreign language 201, 202	6	Social science elective	3		
		PE activity	2		
			33		
Junior Year		Hrs.	Senior Year		Hrs.
Biol 361 Comparative Anatomy	4		Biol 411 Histology		4
Biol 364 Vertebrate Embryology	4		Biol 441 General Physiology		4
Chem 203, 204 Organic Chemistry	8		Chem 301 Introductory Physical Chemistry		4
Philosophy requirement	3		Chemistry elective		4
Phys 151, 152 Essentials of Physics	8		Literature requirement		3
Social science elective (upper division)	3		Social science elective (upper division)		3
Electives	2		Electives		8
	32				30

*Students who present two units in one modern language at entrance may meet the requirements by six additional credit hours in the same language. They would then register for 201, 202.

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.

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.

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 course requirements for the Bachelor of Arts degree conferred by the College of Arts and Sciences. Students preparing for staff positions in business may take specialized courses beyond the core in accounting, economics, finance, marketing, and office administration.

Degree

The School of Business Administration offers the degree Bachelor of Business Administration.

Admission

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

- (1) completed the freshman year with a minimum of 24 semester hours including Economics 101, 102 and English 101, 102;
- (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;
- (4) completed a series of tests including scholastic aptitude, achievement, interest, and personality.

Requirements for the Degree of Bachelor of Business Administration

A candidate must present credits amounting to 128 semester hours including the general and professional requirements listed below, and a minimum grade point average of 2.00.

The candidate must meet the general requirement of one year in residence and must have earned a minimum of 30 semester hours (six of these hours must be in the School of Business Administration) during his senior year at the University with a minimum grade point average of 2.00. A minimum of 40 semester hours of upper division courses earned in the junior and senior years is required.

GENERAL COURSE REQUIREMENTS

1. *Foreign language.* Students must present at least two units from high school in one foreign language. Students who do not meet this requirement must complete a minimum of eight semester hours in one modern foreign language.
2. *Mathematics.* Students who are not exempted by the Mathematics Placement Test must take Mathematics 101.

3. All other general requirements are the same as the general course requirements for the Bachelor of Arts degree. The requirement in English 101, 102 (6 semester hours) must be completed before admission to the School of Business Administration.

PROFESSIONAL REQUIREMENTS

1. Economics 101, 102 must be completed before admission to the School.
2. *Professional core curriculum:* The following courses are to be completed after admission to the School:

B A 211, 212 Elementary Accounting	B A 381 Statistics
B A 352 Production Management or	B A 391 Business Law
B A 354 Office Management	B A 452 Business Policy
B A 364 Business Finance	
B A 371 Marketing	

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

3. *Business electives:* At least two courses in addition to those presented to meet the requirements in (1) and (2) above must be completed in the School. These courses must be chosen with the aid of the student's adviser.
4. *Other requirements:*
 - (a) At least six hours of work must be taken in Business Administration during the senior year.
 - (b) A student may not present more than 60 hours in combined courses in business administration and economics for the degree Bachelor of Business Administration.
 - (c) A minimum grade point average of 2.00 for all courses taken in business administration is required for the Bachelor of Business Administration degree.
 - (d) Fifteen hours must be elected from among recommended supporting subject areas.

Curriculum of Business Administration

Freshman Year*		Hrs.
Econ 101, 102 Principles of Economics	6	Rel 112 History of the Christian Church 2
Engl 101, 102 Composition	6	Science (a year course) 8
Hist 103, 104 History of Western Europe or		PE activity 2
Hist 203, 204 American History	6	<hr style="width: 100%;"/>
Rel 101 Life of Christ	2	32

*Assumes that the student has presented two units of one foreign language from high school and was exempted from Mathematics 101 on the basis of the score made on the Mathematics Placement Test.

Sophomore Year	Hrs.	Junior Year	Hrs.
Art or music	3	B A 371 Marketing	3
B A 211, 212 Elementary Accounting	6	B A 381 Statistics	3
Literature elective	3	B A 391 Business Law	3
Rel 201 The Bible—Old Testament	2	B A 352 Production Management	3
Rel 202 The Bible—New Testament	2	B A 364 Business Finance	3
Social science	3	B A elective	3
Electives	11	Phil 312 Ethics	3
PE activity	2	Electives	11
	—		—
	32		32
		Senior Year	Hrs.
		B A 452 Business Policy	2
		B A Electives	6
		Electives	24
			—
			32

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 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. They may be admitted to the School of Education as candidates for the Bachelor of Arts in Education degree if they have met the following requirements:

1. Have completed successfully the course in Education 202, Introduction to Education.
2. Have completed satisfactorily a series of screening tests including scholastic aptitude, achievement, interest, and personality.
3. Have received approval of speech and voice.
4. Have ideals and personality qualities which make for successful teaching.
5. Have a clearly defined purpose or goal.
6. Have selected a preferred level of preparation and the area or areas of concentration to be followed.
7. Have 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 transfer into the School of Education must expect that the time for completion of the degree will be extended beyond four years.

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

1. Pre-service education leading to the bachelor's degree in education and a provisional certificate. This includes general education, professional education, and areas of concentration.
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 (thirty semester hours) of college must be completed before the sixth year of teaching. Twenty semester hours taken prior to the first year of teaching may be counted. Eight semester hours in residence must be completed AFTER THE FIRST YEAR OF TEACHING and BEFORE THE BEGINNING OF THE THIRD YEAR. Fifth-year students are required to take a minimum of twenty semester hours at Pacific Lutheran University.

Each candidate follows a curriculum during the pre-service program that directs him toward a specific level and, if the chosen level is secondary, toward a particular teaching area at the level and/or in areas in which he is prepared. His first year of teaching must be at the level and in the subjects for which he is prepared and recommended.

Student teachers obtain their training in the excellent school systems adjacent to the university.



Curriculum Requirements

Suggested Schedule of Courses

Freshman Year		Hrs.	Sophomore Year		Hrs.
Engl 101, 102	Composition	6	Art 110	Introduction to Visual Arts or	
Hist 103, 104	History of Western Europe or Hist 203, 204 American History	6	² Art 111	Fundamentals of Art or	
Rel 101	Life of Christ	2	³ Music 101	Fundamentals of Music or	
Rel 112	History of the Christian Church	2	Music 120	Music Survey	3
¹ Sci 121	Introduction to Biological Science	4	² Geog 101	World Geography	3
¹ Sci 122	Introduction to Physical Sciences	4	H&PE 210	Health Essentials	3
Spch 101	Fundamentals of Speech Electives	3	Hist 210	The Pacific Northwest	2
PE activity		2	Psy 101	General Psychology	3
		32	Rel 201	The Bible—Old Testament	2
			Rel 202	The Bible—New Testament	2
			Educ 202	Introduction to Education	3
			English	Elective	3
			Social Science	Elective	3
			Electives		3
			PE activity		2
					32
					32
Junior Year		Hrs.	Senior Year		Hrs.
Educ 301	Human Development	3	⁴ Educ 370	Principles of Guidance	2
Educ 311	Methods and Observation	3	Educ 461	Curriculum, Methods, and Student Teaching	5
Educ 312	The Teaching of Reading	2	Educ 463	Student Teaching	9
² Educ 319	The Teaching of Arithmetic	2	Philosophy	Requirement	3
	Concentration area requirements	22		Concentration area requirements	13
	September Experience	0			32
		32			

¹Students planning to concentrate in this area should not enroll for these courses without the consent of the department concerned.

²Required of students planning to be elementary school teachers.

³Not required for students taking Option I.

⁴Not required but strongly recommended for Option I and II.

GENERAL EDUCATION

1. English Composition and Literature. Requirement: 9 hours

English 101, 102 (6 semester hours) is required of all freshmen. Any three-hour course in literature will complete this requirement, which ought to be fulfilled by the end of the sophomore year in most programs.

2. Fine Arts. Requirement: 3 hours

This requirement may be met by a course in art or music. Applied music courses will not meet this requirement. (Students planning to be elementary teachers should take note of the prerequisites for Art 325 or 425 and for Music 340.)

3. Health and Physical Education. Requirement: 7 hours

Health 210 and Physical Education activities are required. (Physical education activities must be taken during the freshman and sophomore years.)

4. Religion. Requirement: 8 hours

Underclassmen must complete Religion 101, 112, 201, 202.

5. Philosophy. Requirement: 3 hours

This requirement may be met by any one of the following: Philosophy 201, 300, 301 and 302, 312, or 461.

6. Science. Requirement: 8 hours

Science 121 and 122 are required of all except those in Option I and II who select science as an area of concentration. A year of one laboratory science may be substituted by those who have adequate high school background in the other sciences.

7. Social Sciences. Requirement: 17 hours

The 17 hours required in social sciences must be taken in the departments of economics, geography, history, political science, psychology and/or sociology. A year course (six hours) in history, History 210, and Psychology 101 are required. The remaining six hours must be earned in departments other than history. Geography 101 is required of all prospective elementary teachers.

8. Speech. Requirement: Speech 101, 3 hours

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 — The Teaching of Reading	2 hrs.
Education 461 — Curriculum, Methods and Student Teaching (alternate level)	5 hrs.
Education 463 — Student Teaching (at preferred level)	9 hrs.
Education 319 — The Teaching of Arithmetic, required of all Option II (junior high school) and Option III (elementary) students	2 hrs.

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*

(1) Education 463, Student Teaching. The student spends half days for fifteen weeks and full days for three weeks under the supervision of the University in a teaching situation at his chosen level and area. **AT LEAST ONE SEMESTER IN RESIDENCE IS REQUIRED BEFORE ADMISSION TO STUDENT TEACHING.**

(2) Education 461, Curriculum, Methods, and Student Teaching. The student spends afternoons for fourteen weeks in a teaching situation on a level different from that chosen in Education 463.

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.

Areas of Concentration

BUSINESS EDUCATION

Option I

Under Option I, 45 semester hours are required.

Program I — Business Education

(Economics 101 is a prerequisite for some of the following courses and should be taken in the Freshman year.)

Required: Business Administration 103, 142, 143, 144, 243, or 311, 211, 212, 241, 273, 340, 342, 352 or 354, 364, 371, 391, and 440b.

FINE AND APPLIED ARTS

Option I

Under Option I, 45 semester hours are required with from 24 to 30 semester hours devoted to one department in the area. Concentrations in this area are offered in Art (Program 1) and Music. (Programs 2 and 3.)

Program 1 — Art and Music

Required in Art: Art 110, 111, 112, 210, 213, 215 or 231, 219, 440a, 411, 412, plus six hours of electives to total 30 hours.

Required in Music: Music 111, 112, 120, 340, plus four hours of private study and two to four hours of choir, chorus, band, orchestra or madrigal singers.

Program 2 — Music Education and Theory

Required: Music 111, 112, 211, 212, 221, 222, 141, 142, 243, 244, 340, 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.

Program 3 — Music and Art

Required in Music: 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 four hours of electives to total 30 hours.

Required in Art: Art 111, 213, 219, 325, 412 and 3 to 9 hours of electives to total 15 to 21 hours.

Option II

Students with a major concentration in Fine Arts are required to complete 24 to 28 hours in one of the following: Art (Program 1) or Music (Program 2).

Students with a major concentration in an area other than Fine Arts, take a minor concentration of 17 to 21 hours. Programs a or b may be selected.

Program 1 — Art

Required: Art 110, 111, 112, 210, 213, 215 or 231, 219, 440a, 411, 412, plus four hours of electives to total 28 hours.

Program 2 — Music

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.

Program a — Art

Required: Art 111, 213, 219, 325, 412 plus 5-9 hours of electives to total 21 hours.

Program b — Music

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. One to three hours of electives to total 18-21 hours.

Option III

In the area of Fine and Applied Arts under Option III a student may elect one of two concentrations:

- (a) Twenty-four hours in the area as listed in Programs 1, 2, 3 below; or
- (b) Twelve hours in the area, courses to be determined in consultation with the School of Education.

Program 1 — Art

Required: Art 111, 213, 219, 325, 412. Twelve hours of electives to total 24 hours.

Program 2 — Music

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.

Program 3 — Art and Music

Required: Art 111, 213, 325. Seventeen hours of electives to total 24 hours.

HEALTH AND PHYSICAL EDUCATION

The Health and Physical Education area includes courses offered in the department of Health and Physical Education.

Option I

Under Option I, 45 semester hours are required with 24 to 30 semester hours devoted to one department in the area. The concentrations in this area are Physical Education (Program 1) and Correctional Therapy (Program 2).

Program 1 — Physical Education

Required: Men and women—Physical Education 210, 274, 292, 310, 312, 322, 323, 334, 341, 342, 345, 450, 465, 497. Biology 161, 162.

Men—Physical Education 363, and two hours from 270, 271, 272 or 273, and two hours of electives.

Women—Physical Education 290, 333.

Program 2 — Corrective Therapy

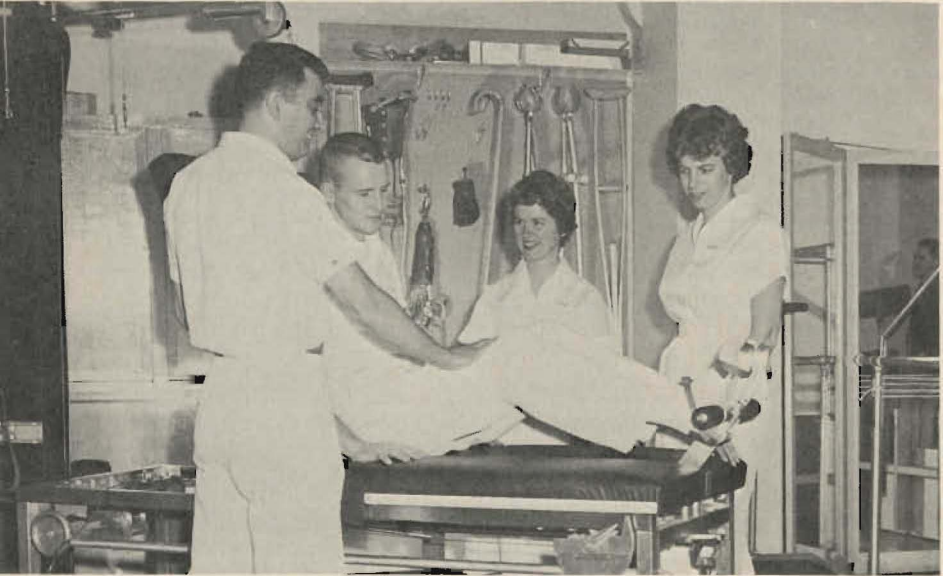
Required: Biology 161 and 162. Health and Physical Education 210, 290 (women), 292, 312, 322, 323, 334, 341, 345, 346, 363 (men), 391, 392, 450, and 497.

Electives from: 274, 310, 333, 342, and 465.

Option II

Students with a major concentration in Health and Physical Education are required to complete 26 hours in this area using Program 1.

Students with a major concentration in an area other than Health and Physical Education take the minor concentration (Program a) of 17 hours.



Physical education majors receive professional training in corrective therapy at the nearby U. S. Veterans Hospital, American Lake.

Program 1 — Health and Physical Education

Required: Men—Physical Education 210, 274, 292, 312, 322, 341, 345, 363, 450, 497, and two hours selected from 270, 271, 272, 273. Biology 161, 162.

Elective: two hours.

Required: Women—Physical Education 210, 274, 290, 292, 312, 322, 333, 341, 345, 450, 497, Biology 161, 162.

Elective: two hours.

Program a — Health and Physical Education

Required: Men—Physical Education 210, 292, 341, 345, 363.

Women—Physical Education 210, 290, 292, 333, 341, 345.

Electives: Men—six hours selected from Physical Education 270, 271, 272, 273, 346, 450, 465.

Women—four hours selected from Physical Education 346, 450, 465.

Option III

In the area of Health and Physical Education under Option III a student may elect one of two concentrations:

- (a) Twenty-four hours in the area as listed in Program 1; or
- (b) Twelve hours in the area as listed in Program a.

Program 1 — Health and Physical Education (24 semester hours)

Required: 210, 292, 310, 312, 341, 345, 346, 450, 465.

Electives: five hours

Program a — Health and Physical Education

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

LANGUAGE ARTS

The Language Arts area includes composition, foreign languages, journalism, literature, and speech.

Option I

Under Option I, 45 semester hours are required with not more than 24 to 30 semester hours devoted to one department in the area of concentration. Concentrations in this area are offered in Literature (Program 1), Speech (Program 2), German (Program 3), and French (Program 4). Supporting work carried in this area should include one of the following: Program a, b, c, d, or e.

Program 1 — Literature

Required: Twelve hours selected from English 233, 234, 251, 252, 341, 342; English 302 and 440c or 440d.

Electives: Fifteen hours of upper division courses.

Recommended: Program c, d, or e listed as a supporting combination. (For those planning to do graduate work: Program e.)

Program 2 — Speech

Required: Speech 101, 104, 250 and six hours from 220, 256 or 270.

Electives: Nine hours.

Recommended: Program a or b as a supporting combination.

Program 3 — German

Required: German 101, 102, 201, 202, 222 and twelve advanced hours from the following: 301, 302, 335, 336; 411, 412; 440k; 451, 452. Supporting Program a, b, c, d, or e.

Program 4 — French

Required: 101, 102; 201, 202; 221, 222; and twelve advanced hours from the following: 301, 302; 335, 336; 351, 352; 401, 402; 440m; Supporting Program a, b, c, d, or e.

Program a — Literature

Required: Twelve hours selected from English 233, 234, 242, 251, 252, 341, 342; English 302 and 440c or 440d.

Electives: Three to seven hours of upper division courses.

Program b — Composition and Literature

Required: Six hours selected from English 233, 242, 251, 252, 341, 342, 384. Two hours selected from English 321, 440c, 440d. Six to eight hours selected from English 217, 218, 302, 404, 418, or journalism.

Program c — Composition and Speech

Required: Seven hours of advanced composition and journalism and nine hours of speech and drama.

Program d — Speech

Required: Sixteen to 21 hours of speech and drama.

Program e — Foreign Languages

Required: Fourteen to 16 hours of one (other) foreign language (including 101, 102): French, German, Latin, Russian or Spanish.

Option II

Students with a major concentration in Language Arts are required to complete 24 to 28 hours in one of the following: Literature (Program 1), Speech (Program 2), German (Program 3), French (Program 4).

Students with a major concentration in an area other than Language Arts may take a minor concentration of 17 to 21 hours. Programs a, b, or c may be selected.

Program 1 — Literature

Required: Twelve hours selected from English 233, 234, 242, 251, 252, 341, 342; and two hours from English 302, 321, 440c or 440d.

Electives: Ten or eleven hours of upper division electives in English. Balance of the work to be taken in the field of speech.

Program 2 — Speech

Required: Fifteen to 18 hours of Speech.

Electives: Nine to 12 hours in supporting fields.

Program 3 — German

Required: Eighteen hours in the same sequence as under Option I. (101, 102 to be included.)

Electives: Nine hours selected from English 233, 242, 251, 252, 341, 342, 383 or 384; or six hours from the above group, plus four hours from English 217, 218, 302, 404, 418 or journalism. Students electing this program are urged to add English 321, 440c or 440d to the required courses.

Program 4 — French

Required: Eighteen hours in the same sequence as under Option I. (101 and 102 are to be included.)

Electives: Nine hours selected from English 233, 242, 251, 252, 341, 342, 383, or 384; or six hours from the above group, plus four hours from English 217, 218, 302, 404, 418, or journalism. Students electing this program are urged to add English 321, 440c or 440d to the required courses.

Program a — Literature or Literature and Composition

Required: Fourteen or 15 hours selected from English 233, 242, 251, 252, 341, 342, 383, or 384; or nine hours from the above group, plus four to six hours from English 217, 218, 302, 404, 418, or journalism. Students are urged to add English 321, 440c or 440d to the required courses. Balance of the work to be taken in speech.

Program b — Speech and Literature

Required: Speech 101, 104, and 250.

Electives: Nine to 12 hours selected from English 233, 242, 251, 252, 341, 342, 383 or 384; or six hours from English 217, 218, 302, 404, 418 or journalism 203, 204.

Program c — Foreign Languages

Fourteen to 16 hours in one foreign language (including 101, 102): French, German, Latin, Russian, or Spanish.

Option III

In the area of Language Arts under Option III a student may elect one of two concentrations:

- (a) Twenty-four hours in the area with not more than 16 in one department as listed in Programs 1, 2, 3 below; or
- (b) Twelve hours in the area, courses to be determined in consultation with the School of Education.

Program 1 — Literature or Composition and Literature

Same as Program a, Option II, plus electives to total 24 hours.

Program 2 — Speech and Literature or Composition

Same as Program b, Option II, plus electives to total 24 hours.

Program 3 — Foreign Languages

Same as Program c, Option II.

SCIENCES AND MATHEMATICS

Option I

Under Option I, 45 semester hours are required with not more than 24 to 30 semester hours devoted to one department in the area of concentration. Concentrations in this area are offered in Biology (Program 1), Chemistry (Program 2), Mathematics (Program 3), Physics (Program 4), and General Science (Program 5).

Program 1 — Biology

Required: Biology 131, 132 and 141, 142; Chemistry 121, 122; Mathematics 131.

Electives: Nine hours of upper division courses in Biology.

Recommended: Geology 101, 102; Chemistry 203, 204; Physics 151, 152 or 261, 262.

Program 2 — Chemistry

Required: Chemistry 121, 122, 203, 204, 311, 312, 321, 422. Mathematics 112, 131, 200, and 201. Physics 151, 152 or 261, 262.

Recommended: Biology 131, 132 and Physics 311.

Program 3 — Mathematics

Prerequisite: Mathematics 112 and 131 or equivalent.

Required: 27 hours of mathematics in courses numbered 200 or above including Mathematics 200, 201, 290, 321, 341, 453, 454.

Electives: 18 hours of sciences.

Recommended: Physics 261, 262.

Program 4 — Physics

Prerequisites: Higher algebra, solid geometry and one year of high school physics or chemistry.

Required minimum: 24 semester hours of Physics, eight semester hours of chemistry, mathematics through Mathematics 202, and General Science 121; selection from the following groups: Physics 151, 152, or 261, 262; Physics 311 and 342 or 412; Advanced laboratory courses, selected from Physics 315, 316, 451, or 454; Chemistry 121, 122; Mathematics through Calculus 202; Science 121.

Program 5 — General Science

Prerequisite: Mathematics 101 or equivalent.

Required: Biology 101, 102 or 131, 132 and 141 or 142; Chemistry 121, 122; Geology 101, 102; Physics 151, 152, 311; Mathematics 112, 131, 200.

Electives: To complete the 45 hours.

Option II

Students with a major concentration in Science and Mathematics are required to complete 24 to 28 hours in one of the following: General Science (Programs 1a or 1b), Biology (Program 2), Chemistry (Program 3), Physics (Program 4), or Mathematics (Program 5).

Students with a major concentration in an area other than Science and Mathematics may take a minor concentration of 17 to 21 hours. Programs a, b, c, d, or e may be selected.

Program 1a — General Science

Prerequisite: Mathematics 101.

Required: Biology 101, 102, or 131, 132, and 141 or 142; Chemistry 121, 122; Physics 151, 152 or 261, 262.

Program 1b — General Science

Prerequisite: Mathematics 101 or equivalent.

Required: General Science 121; Chemistry 121, 122; Physics 151, 152 or 261, 262; Mathematics 101, 112 and/or 131.

Geology 101, 102 may be substituted for either Physics or Chemistry when a year of either subject has been taken in high school.

Program 2 — Biology

Required: Biology 101, 102 or 131, 132 and 141 or 142; Chemistry 121, 122; General Science 122, Mathematics 101.

Electives: Four hours upper division Biology courses.

Recommended: Physics 151, 152 or 261, 262, or General Science 122 or Geology 101, 102.

Program 3 — Chemistry

Prerequisite: Mathematics 101.

Required: Chemistry 121, 122, 203, 204, 302, 321.

Electives: One course chosen from Mathematics 112 and/or 131, 200 or equivalent; Biology 101, 102, or 131, 132; Geology 101, 102.

Program 4 — Physics

28 to 30 hours in major area of concentration.

Prerequisites: Higher Algebra, Solid Geometry, and one year of high school chemistry or physics. General Science 121.

Required: Physics 151, 152 or 261, 262, 311, 342 (15 to 17 hours), and Mathematics 112, 131 and 200, 201 (10 to 12 hours).

Electives: Chemistry 121, 122; Physics 315, 316; Mathematics 202.

Program 5 — Mathematics

Prerequisites: Mathematics 112 and 131 or equivalent.

Required: Mathematics 200, 201, 290, 321, 453.

Recommended: Physics 151, 152 or 261, 262. Mathematics 341, 454.

Program a — Biology

Required: Twelve to 16 hours chosen from Biology 101, 102, 131, 132, 141 or 142; General Science 122.

Program b — Chemistry

Required: Twelve to 16 hours chosen from Chemistry 121, 122, 201, 202 or 321, 322.

Program c — Geology

Required: Fourteen hours of Geology 101, 102, 201, 202.

Program d — Mathematics

Prerequisite: Mathematics 112 and 131 or equivalent.

Required: Mathematics 200, 290, 321 and three hours selected from Mathematics 201, 341, and 453.

Program e — General Science and/or Mathematics

Seventeen to 21 hours in Science and Mathematics selected to give maximum breadth of preparation. Courses selected and total hours are subject to approval of science departments and will vary depending upon high school background of the individual student.

Option III

In the area of Science and Mathematics under ● Option III a student may elect one of two concentrations:

- (a) Twenty-four hours in the area with not more than 16 in one department as listed in Programs 1, 2, 3 below; or
- (b) Twelve hours in the area, courses to be determined in consultation with the School of Education.

Program 1 — Biology

Required: Biology 101, 102 or 131, 132 and 141 or 142; Chemistry 111, 112 or 121, 122; General Science 122.

Program 2 — Chemistry

Required: Chemistry 121, 122, 203, 204.

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

Program 3 — General Science

Same as Program 3, Option II.

SOCIAL SCIENCE

The Social Science area includes history, political science, sociology, economics, geography, and psychology.

Option I

Under Option I, 45 semester hours are required with not more than 24 to 30 semester hours in one department to be supported by 15 to 21 hours of related work from other departments in the same area of concentration.

Concentrations in this area are offered in History (Program 1), General Social Sciences (Program 2), Political Science (Program 3) and Sociology (Program 4).

Program 1 — History

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

Electives: Sixteen hours in History plus three additional hours in any Social Science department.

Program 2 — General Social Sciences

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.

Electives: 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.

Program 3 — Political Science

Required: Political Science 101 or 301, 251, 252, 331. Social Science: Economics 101; Geography 101; History, eight hours; Psychology 101, Sociology 101 or 300.

Program 4 — Sociology

Required: Sociology 101 or 300, 202, 255, 412, 431; Economics 101 or 300; Geography 101; History, eight hours; Political Science 101 or 301; Psychology 101.

Electives: Sociology, eleven hours; other social science: eight to thirteen hours.

Option II

Students with a major concentration in Social Science are required to complete 24 to 28 hours from Program 1.

Students with a major concentration in an area other than Social Science may take a minor concentration of 17 to 21 hours from Program a or b.

Program 1

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

Program a

Required: Twelve hours in History and nine hours selected from other social sciences—economics, political science, psychology or sociology.

Program b

Required: Eight hours of history and 9 to 13 hours selected from the other social sciences—economics, political science, psychology, sociology.

Option III

In the area of Social Sciences under Option III a student may elect one of two concentrations:

- (a) Twenty-four hours in the area with not more than 16 in one department as listed in Programs 1 or 2 below; or
- (b) Twelve hours in no more than two departments, courses to be determined in consultation with the School of Education.

Program 1 — General Social Sciences

Required: Sixteen hours from one of the following social sciences—economics, history, political science, psychology, or sociology.

Electives: Eight hours in other departments.

Program 2 — General Social Sciences

Required: Sixteen hours from any two fields of Social Sciences.

Electives: Eight hours.

PROFESSIONALIZED SUBJECT MATTER

Option III

In the area of Professionalized Subject Matter under Option III, a minimum of 12 hours is required.

*Art—325 Art in the Elementary School
425 Classroom Art Techniques

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 Children's Literature
 421 Advanced Children's Literature

*Music—340 Music in the Elementary School

Physical Education—312 Physical Education in the Elementary
 School
 341 Methods in Folk Games
 342 Problems in Teaching Rhythmics

*Required for Option III

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.
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.

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 Departments of Art and Speech. They are required to complete 36 hours in their chosen concentration area plus 12 hours in the other areas in the School of Fine and Applied Arts.

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

The general course requirements for the Bachelor of Arts degree are also required for both the degrees of Bachelor of Fine Arts and Bachelor of Music but with the following exceptions:

1. The number of hours required in a foreign language may vary from six 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 Dean 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).
3. The social science requirement is 12 hours, six of which must be completed in one department.

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, Description of Courses.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in the field of Art should follow the course outline as listed under the School of Education in the section, Academic Organization.

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

Requirements for a Bachelor of Fine Arts degree with a major in art are 36 credit hours in art, 12 additional credit hours earned in speech and music. Course requirements for a major in art with an emphasis either in oil painting or sculpture are Art 110, 111, 112, 210, 213, 215, 219, 231, 411, 412, 450, either 315, 316 or 331, 332, and either 415, 416 or 431, 432.

Freshman Year		Hrs.	Sophomore Year		Hrs.
Art 110 Introduction to the Visual Arts		3	Art 215 Sculpture		2
Art 111 Fundamentals of Art		3	Art 219 Poster Design		2
Art 112 Drawing and Painting		2	Art 231 Oil Painting		2
Art 210 Creative Design		2	Approved music electives		6
Engl 101, 102 Composition		6	Rel 201 The Bible—Old Testament		2
¹ Foreign language 101, 102		8	Rel 202 The Bible—New Testament		2
Rel 101 Life of Christ		2	² Science requirement		8
Rel 132 History of the Christian Church		2	Social science elective		3
PE activity		2	Spch 101 Fundamentals of Speech		3
Electives		2	PE activity		2
		<hr/> 32			<hr/> 32
Junior Year		Hrs.	Senior Year		Hrs.
Art 315, 316 Sculpture or			Art 415, 416 Sculpture or		
Art 331, 332 Oil Painting		4	Art 431, 432 Oil Painting		4
Art 411, 412 History and Appreciation		6	Art 450 Special Problems		4
of Art		6	Social science electives		6
Literature elective		3	Electives		18
Philosophy requirement		3			<hr/> 32
Social science elective		3			
Spch 352 Stage Scenery and Costume		3			
Electives		10			
		<hr/> 32			

¹A student entering without two units in a foreign language will be required to take two years of foreign language in college. The number of hours required is dependent upon an evaluation of the student's needs by the chairman of the department and his recommendation to the Dean of the School of Fine and Applied Arts.

²A year course in science is required. This requirement may be satisfied by any one of the following year courses: Biology 101, 102 or 131, 132 or 141, 142; Chemistry 111, 112 or 121, 122; Geology 101, 102; Physics 151, 152 or 261, 262; Science 121, 122.

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, Description of Courses.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in the field of speech should follow the course outline as listed under the School of Education in the section, Academic Organization.

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 36 hours of work within the Department of Speech following the program outlined below. The selection of courses must be made with the approval of the chairman of the department.

BACHELOR OF FINE ARTS

Major in Speech

Freshman Year		Hrs.	Sophomore Year		Hrs.
Art 110 Introduction to the Visual Arts	3		Modern language 101, 102	8	
Art 111 Fundamentals of Art	3		Music electives	6	
Engl 101, 102 Composition	6		Rel 201 The Bible—Old Testament	2	
Rel 101 Life of Christ	2		Rel 202 The Bible—New Testament	2	
Rel 112 History of the Christian Church	2		Approved speech courses	12	
Science	8		PE activity	2	
Spch 101 Fundamentals of Speech	3				32
Spch 104 Fundamentals of Speech Structure	3				
PE activity	2				
		32			
Junior Year		Hrs.	Senior Year		Hrs.
Phil 201 Introduction to Philosophy or Philosophy requirement	3		Literature elective	3	
Social science electives	6		Social science elective	3	
Approved speech courses	9		Sociology elective	3	
Electives	14		Approved speech electives	9	
		32	Electives	14	
				32	

¹A year course in science is required. This requirement may be satisfied by any one of the following year courses: Biology 101, 102 or 131, 132 or 141, 142; Chemistry 111, 112 or 121, 122; Geology 101, 102; Physics 151, 152 or 261, 262; Science 121, 122.

²A student entering without two units in a foreign language will be required to take two years of foreign language in college. The number of hours required is dependent upon an evaluation of the student's needs by the chairman of the department and his recommendation to the Dean of the School of Fine and Applied Arts.

Music

The Department of Music offers curricula leading to the 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, Description of Courses.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in the field of music should follow the outline as listed under the School of Education in the section, Academic Organization.



Music education facilities include the mighty 32-rank Casavant organ which is located in the spacious University Chapel

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

Freshman Year		Hrs.	Sophomore Year		Hrs.
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
Hist 103, 104 History of Western Europe or		6	¹ Music, vocal or instrumental lessons		2
Hist 203, 204 American History		6	Music ensemble		0
Modern language 201, 202		6	Social science electives		6
Rel 101 Life of Christ		2	Science requirement		8
Rel 112 History of the Christian Church		2	Rel 201 The Bible—Old Testament		2
PE activity		2	Rel 202 The Bible—New Testament		2
		<u>32</u>	PE activity		<u>2</u>
					<u>34</u>

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.

A. *Instrumental Performance*

Junior Year	Hrs.	Senior Year	Hrs.
Mus 350 Piano (Advanced) or Mus 352 Organ	4	¹ Mus 350 Piano (Advanced) or ¹ 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		—
	30		32

B. *Vocal Performance*

Junior Year	Hrs.	Senior Year	Hrs.
Mus 354 Voice (Advanced)	4	¹ 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
² Foreign language	8		—
Electives	2		30
	32		

C. *History and Literature*

Junior Year	Hrs.	Senior Year	Hrs.
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
² Foreign language	8	Literature elective	3
Mus 141, 142 Strings	2	Philosophy requirement	3
Music elective	6		—
	32		32
			32

¹ Formal recital required during senior year.² The number of hours required is determined upon the evaluation of the student's needs by the chairman and his recommendation to the Dean of the Schools.

D. Theory and Composition

Junior Year		Hrs.	Senior Year		Hrs.
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 Instructional Conducting		2
Music ensemble		2	Mus 491 Composition		6
Mus 341 Choral Conducting		2	Music elective		3
Mus 150 Pianor or			Literature elective		3
Mus 350 Piano (Advanced)		2			30
Mus 491 Composition		5			
Music electives		6			
Philosophy requirement		3			
		<hr/>			
		32			

SCHOOL OF NURSING

The School of Nursing is a professional school which meets all requirements of the University for the degree 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 (R.N.) are qualified to fill first level staff nursing positions in health agencies.

Philosophy and Purpose

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

The School of Nursing believes that nursing as a profession should be concerned with the physical, mental, emotional, social, and spiritual health of the individual. Nursing education, therefore, strives to inculcate in its students a sense of responsibility to acquire the knowledge and skills necessary to meet the total health needs of the individual.

The School of Nursing believes that mental, emotional, social, and spiritual growth are essential to the enrichment of one's own life and to the optimum development of one's ability to help others. The preparation of the professional nurse, therefore, should include cultural preparation through the use of the various disciplines of the University and the professional curriculum should afford education in all available fields, of health teaching arranged in a logical sequence of learning and responsibility.



Student nurses live on campus and take their clinical training in hospitals near the university.

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

Health

The nurse is a teacher and promoter of health. The student of nursing through her behavior maintains and promotes her own optimum health. Physical examinations, x-rays, and immunizations beyond that in the general health program are required prior to admission to the clinical period and periodically thereafter, and are the responsibility of the student. 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, including the facilities for public health nursing; special health examination fees; student uniforms (approximately \$70.00); and nursing aptitude and achievement tests (\$10.00 to \$20.00).

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. Theory and laboratory are directed by faculty members in the following clinical facilities:

MOUNTAIN VIEW GENERAL HOSPITAL (287 beds)

CLARIS ALLISON, M.D., *Superintendent*
 AGNES WILSON, R.N., *Director of Nurses*

MADIGAN GENERAL HOSPITAL (536 beds)

LT. COL. ALICE WEINSTEIN, ANC, *Chief, Nursing Service*
 JOHN L. CRAWFORD, MC, *Hospital Commander*

VETERANS ADMINISTRATION HOSPITAL (American Lake) (904 beds)

THOMAS A. MARCH, M.D., *Hospital Director*
 FLORENCE M. NASKE, R.N., *Chief, Nursing Service*

GOOD SAMARITAN HOSPITAL, Puyallup, Washington (71 beds)

MR. PAUL TESLOW, *Administrator*
 MRS. VIRGINIA LOVETT, R.N., *Director of Nursing Service*

TACOMA-PIERCE COUNTY HEALTH DEPARTMENT

C. R. FARGHER, M.D., *Director of Health*
 MRS. EDITH MITCHEL, R.N., *Chief of Nursing Division*

TACOMA DAY NURSERY

MRS. SHIRLEY BUCHAN, *Director*

CRIPPLED CHILDREN'S SCHOOL

MRS. DOROTHY M. JOHNSON, *Co-ordinator*

Additional hospitals, day nurseries, and other facilities are used as needed to enrich the student's learning.

THE BASIC NURSING PROGRAM

This program is planned for high school graduates and may be completed in four academic years and one summer by students who meet university requirements. Through this program of general and professional education students may prepare themselves for beginning positions in professional nursing, including public health nursing.

Objectives of the Basic Nursing Program:

1. To develop an appreciation of the value of a general education in adding depth and breadth to personal and professional experiences.
2. To develop an ability to function effectively as a professional nurse.
3. To develop the ability to work with members of the health team.

4. To develop ability to use problem-solving techniques in her nursing experiences.
5. To develop an attitude of self-evaluation which will foster continuing professional and personal growth.

Admission, Promotion and Graduation

The student admitted to the basic nursing program, (1) must meet university admission requirements, (2) must have a grade point average of 2.5 from High School, (3) must, through the medium of testing and counseling, give evidence of emotional, mental and manual aptitudes for nursing, and (4) must meet the physical requirements.

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

For graduation from the School of Nursing, the candidate must meet the general requirements of the University and must have completed the following specific requirements: natural sciences, 20 hours; social sciences, 20 hours; humanities, 23 hours; and professional nursing, 70 hours.

Curriculum in Basic Nursing Program

First Year		Hrs.
Biology 161, 162	Human Anatomy and Physiology	8
Chemistry 111	Inorganic Chemistry	4
Chemistry 112	Organic Chemistry	4
English 101, 102	Composition	6
Nursing 103	Introduction to Nursing	2
Psychology 101	General Psychology	3
Religion 101	Life of Christ	2
Religion 112	History of the Christian Church	2
P.E.	Activity	2
		33
Summer		
Nursing 136	Fundamentals (for nine weeks)	9
Second Year		
Biology 201	Microbiology	4
Art or Music elective		3
Nursing 235, 236	Medical-Surgical Nursing	18
Religion 201	The Bible—Old Testament	2
Religion 202	The Bible—New Testament	2
Sociology 101		3
		32
Third Year		
Literature elective		3
Nursing 335, 336	Maternal and Child Nursing	14
Psychology 301	Human Development	3
Philosophy 300 or 312		3
Sociology 430	The Family	3
Social Science elective		3
Nursing 338	Public Health Organization	2
		31

Fourth Year		Hrs.
Elective		2-3
Nursing 401, 402	Seminar	4
Nursing 435	Psychiatric Nursing	6
Nursing 475	Advanced Nursing	8
Nursing 436	Public Health Nursing	7
Social Science elective		5-6
		32-34

THE REGISTERED NURSE PROGRAM

This program is planned for registered nurses who are graduates of diploma or associate degree programs in nursing who have developed the understandings, skills and techniques needed for hospital bedside nursing. The baccalaureate program offers an opportunity to develop general and professional education for the registered nurse to a level equivalent to that achieved in the basic collegiate program and to work toward attainment of personal and professional goals.

Objectives of the Program for Registered Nurses:

1. To develop an increasing knowledge of the behavioral, medical and natural sciences.
2. To develop increasing ability in providing comprehensive nursing in the hospital and in public health nursing services.
3. To develop increasing capacity for growth through self-understanding and self-direction.
4. To develop a broadening concept of nursing as a profession.
5. To develop an understanding of the foundation necessary for advanced preparation in nursing.

Admission, Promotion and Graduation

The student admitted to the registered nurse program (1) must meet university admission requirements, (2) provide the school with official transcript of her basic nursing course, (3) provide the school with evidence of her current registration in a state or country, and (4) take the Graduate Nurse Examination.

Each applicant's credentials are individually evaluated and her course planned with her faculty advisor in the light of her needs, previous college preparation, the qualifying examination results, and her major field of interest. A minimum of one semester's work in a clinical area is required.

For graduation the candidate must have completed 12 hours in the natural sciences, 15 hours in the social sciences, 23 hours in the humanities, 54 hours in professional nursing. A total of 128 credits is required for graduation. Forty credits in this program must be in upper division courses.

Curriculum in Registered Nurse Program

	Hrs.
Professional Courses	54
Nursing 338, 401, 402, 404, 436, 475, 497-498 plus credit from School of Nursing.	
General Education Courses	
English 101, 102 and Literature elective	9
Art or Music	3
Philosophy 300 or 312	3
Religion	4
Natural Science	12
Social Science	15
Electives	28
Total	128

Since laboratory experience is an integral part of the program, students are urged to carry professional liability insurance.

Graduate School

Purpose

The graduate program at the University provides advanced professional training in the area of a student's specialization in education and affords opportunity for research and special investigations in these same areas. The program of graduate study should become an initiation into methods of intensive study and research in some selected area of knowledge.

Admission

Students holding a bachelor's degree from an accredited college or university who attained an undergraduate scholastic grade-point ratio of 3.0 during their senior year of college, and who have had one year of teaching experience, may be admitted and granted *regular status* in the Graduate School. Those with less than the 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 a semester's work with a grade average of 3.0. Students 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 Graduate School Office. 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 Registrar's office) plus an official transcript. This should be done before or during the first session of registration in graduate courses. Approval of admission to the Graduate School does not imply admission to candidacy for the degree. All correspondence concerning admission should be directed to the Registrar.

Classification of Students Admitted to Graduate Study

1. Those students approved for unqualified admission to graduate study by the Dean of the Graduate School and the dean of the college or school providing the major field of study 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 Dean of the Graduate School 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 major department.

Program of Study

At the present time the program of study of *regular status* students includes a major area of concentration in education or a teaching field and a minor completed in one of the departments of the University. For his major he selects any one of the following fields: Elementary or Secondary School Administration, Guidance and Counseling, and Elementary Classroom Teaching or Secondary Classroom Teaching. Minors are offered in the following fields: art, biology, business administration, chemistry, English, health and physical education, history, music, political science, psychology, sociology, and speech. A student wishing to minor in other departments may complete the work at another institution if he has the prior approval of his graduate committee. The specific course and credit requirements for the major and minor fields of concentration are set forth in a bulletin and other publications, which are obtainable on request.

The total graduate program, including approval of the student's research work, is supervised by a graduate committee composed of the Dean of the Graduate School, two representatives of the college or school offering the major, and the chairman (or his representative) of the department of the minor field. 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 program of courses approved by their respective graduate committees after approval of admission, not later than the second 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.

Other 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; namely, 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 type-written copies of his thesis (to be bound later), the original for deposit in the college library and the first carbon copy for the Graduate School. Under the research paper plan, the student also must deposit type-written copies of each paper with the Graduate School.

A written comprehensive examination over the required course 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 Dean of the Graduate School and must be successfully passed not later than eight 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.

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.

Graduation and thesis binding fees are to be paid in the business office not later than four weeks before commencement.

For further details concerning course numbers and procedure, the student is referred to the bulletin, obtainable on request.

Summary of Procedures for the Master's Degree

<i>Procedures</i>	<i>Under the Direction of</i>	<i>Date</i>
Application for admission to graduate work	Dean of the Graduate School	Before or during first session of registration as a regular status student
Approval of admission	Dean of the Graduate School the student's major Graduate committee*	After submission of application-
Selection of major and minor areas of concentration	Graduate committee*	After approval of admission, but not later than second session of registration
Approval of degree program	Graduate committee*	After approval of admission, but not later than second session of registration
Selection and approval of thesis problem or problems for research papers	Adviser	Not later than the semester before the commencement in which student takes his degree
Progress reports on thesis or research papers	Registrar's office	Periodic evaluation and approval
Registration for thesis or research papers		Must not be later than the last registration dates before the semester in which student takes his degree
Comprehensive written examination over major	Dean of Graduate School	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 paper	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

*Composite of the Dean of the Graduate School, representatives of the college or school of major, chairman of department of minor.

DESCRIPTION OF COURSES

IN THE FOLLOWING PAGES will be found descriptions of 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 or above and are regarded as upper division subjects. Courses numbered 500 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*
- III *Course or courses 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 110, 111, 112, 210, 213, 215, 219, 231, 313 or 315 or 331, 411, 412 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 to concentrate in the field of art, should follow the course outline as listed under the School of Education in the section, Academic Organization.

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 thorough 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. The work is planned so as to develop appreciation and to stimulate originality in the actual creation of good design. Four hours laboratory per week. II

213 Clay Modeling 2

This is a course in the various methods of modeling in clay. Application of these methods is made to pottery and small figures. Individual instruction is given in plaster casting. Four hours laboratory per week. I II

215 Sculpture 2

A course for beginners concerned with sculptural form. II

- 219 Poster Design 2**
Principles of lettering and letter construction with a brief history of the alphabet. This is followed by the planning of the layout and painting of posters and a concentrated study of the reproduction of posters by the silk screen process. Four hours laboratory per week. I
- 231 Oil Painting 2**
A course for beginners in oil painting techniques and a study in beginning composition and criticism. I
- 313 Advanced Clay Modeling 2**
Emphasis on individual study of form and design in pottery including an experimental study of the composition of bodies and glazes. I II
- 315, 316 Sculpture 2, 2**
Offers concentration in more and varied media and technique. Media are clay, plaster, stone, wood, and welded metals. Prerequisite: Art 215. I II
- 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, 332 Oil Painting 2, 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 II
- 411, 412 History and Appreciation of Art 3, 3**
The course is planned to increase the student's appreciation of works of art. In the first semester a general survey is made of architecture, sculpture, and painting from the pre-classical arts through the arts of the Renaissance. In the second semester a similar survey is made from the Renaissance through the twentieth century. I II
- 415, 416 Sculpture 2, 2**
A continuation of 315, 316 with an emphasis on individual direction and specialization in the chosen media. Prerequisite: 315, 316. I II
- 425 Classroom Art Techniques 2**
All media common to the classroom are studied for full use manipulation and techniques. Also media not so common to the classroom are studied. Four hours laboratory per week.
- 431, 432 Oil Painting 2, 2**
A continuation of 311-312 with an emphasis on individual student direction and specialization in style and technique. Prerequisite: Art 311, 312. I II
- 440a Art in the Secondary School 2**
A course planned for those who intend to teach in the secondary grades. Planned similarly to Art 325. Four hours combined lecture and laboratory per week. Prerequisite: Art 111 or consent of instructor. II
- 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

BIOLOGY

Mr. Strunk, Miss Ford, Mr. Knudsen, Mr. Leraas, Mr. Ostenson

The work in this department is designed to (a) give the student a broad knowledge and cultural appreciation of the world of living things; (b) provide a sound training for teachers who enter the biological sciences; (c) establish a biological foundation for practical work in fields such as agriculture, forestry, fish and wildlife, bacteriology, entomology and other related fields; (d) lay an adequate foundation for students who desire to enter the fields of medicine, dentistry, veterinary medicine, medical and hospital technology, nursing, health education; (e) prepare students for graduate and research fields in the biological sciences.

A major for the Bachelor of Arts degree consists of a minimum of 24 hours, at least 12 hours in the upper division courses. Required supporting subjects for the major are one year of chemistry and Mathematics 131. Chemistry 203, 204 and Physics 151, 152 or 261, 262 are strongly recommended. Students planning to major in biology should not register for Biology 101, 102.

Candidates for the Bachelor of Arts in Education degree, who are planning to concentrate in the field of biology, should follow the course outline as listed under the School of Education in the section, Academic Organization.

A major for the Bachelor of Science degree consists of a minimum of 35 credit hours. Required supporting subjects are Chemistry 121, 122, 203, 204; Physics 151, 152 or 261, 262; Mathematics 131. The group requirements of the College of Arts and Sciences also must be fulfilled.

A minimum of 60 credit hours in sciences and mathematics is required, but no more than 40 credit hours in the Department of Biology may be counted in the 128 credit hours required for graduation.

Curriculum in Biology

Freshman Year	Hrs.	Sophomore Year	Hrs.
Biol 131, 132 General Zoology	8	Biology approved courses	8
Engl 101, 102 Composition	6	Chem 121, 122 Inorganic Chemistry and Qualitative Analysis	8
Foreign language 101, 102	8	Foreign language 201, 202	6
Hist 103, 104 History of Western Europe or		Math 131 College Algebra	3
Hist 203, 204 American History	6	Rel 201 The Bible—Old Testament	2
Rel 101 Life of Christ	2	Rel 202 The Bible—New Testament	2
Rel 112 History of the Christian Church	2	PE activity	2
PE activity	2		
	34		31
Junior Year	Hrs.	Senior Year	Hrs.
Art 110 Introduction to the Visual Arts	3	Biology approved courses	12
Biology approved courses	8	Literature requirement	3
Chem 203, 204 Organic Chemistry	8	Philosophy requirement	3
Phys 151, 152 Essentials of Physics or		Social science elective	3
Phys 261, 262 General Physics	10	Approved electives	11
Social science electives (upper division)	3-6		
	32		32

*Students 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.

- 101, 102 General Biology 4, 4**
A general consideration of the most important principles and facts of the science of living things. Two lectures and two laboratory periods per week. I II
- 131, 132 General Zoology 4, 4**
A survey of the animal kingdom and of fundamental biological principles. Two lectures and two laboratory periods per week. I II
- 141, 142 General Botany 4, 4**
A survey of the plant kingdom, structure, first semester: life history, second semester. Two lectures and two laboratory periods per week. I II
- 154 The Flowering Plants 2**
Field studies of the flowering plants of the region. Not to be counted toward a major in biology. I
- 161, 162 Human Anatomy and Physiology 4, 4**
A study of the structure and the functions of the human body. The course is designed to meet the needs of pre-nursing students and majors in Physical Education. Two lectures and two laboratory periods per week. I II
- 201 Microbiology 4**
Bacteria, yeasts, molds, viruses, and other microorganisms, their characteristics and their role in the home, medicine, agriculture, and industry. Two lectures and two laboratory periods per week. Prerequisite: 102, 132, 142 or 161. I II
- 203 The Spring Flora 2**
A course dealing with the local spring flora. II
- 221 Biological Techniques 2**
Methods of collecting and preserving biological materials for classroom and research study. Prerequisite: 102, 132 or 142. S
- 222 Conservation of Natural Resources 2**
The conservation of natural resources in the United States. I
- 231 Genetics 3**
A study of the laws of inheritance and their special application to man. Prerequisite: Science 121 or Biology 102, 132 or 142. II
- 242 Systematic Botany 3**
The identification and classification of the seed plants represented in the local flora. One lecture and two laboratory periods per week. Prerequisite: Biology 102 or 142. II a/y 1963-64
- 274 Microtechnique 2**
Principles and practice in methods of preparing histological, embryological and cytological specimens for microscopical study. Prerequisite: Biology 102, 132, or 142. II a/y 1963-64
- 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 102, 132 or consent of instructor. II
- 323 Natural History of Invertebrates 4**
The classification, anatomy, natural history and importance to man of the invertebrates. Lectures, laboratory studies and field collections. Prerequisite: Biology 102 or 132. I a/y 1962-63

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 102 or 132; 361 recommended. II a/y 1962-63

344 Plant Physiology 3

A study of the plant's internal mechanism. One lecture and two laboratory periods per week. Prerequisite: Biology 102 or 142. 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. Lectures, laboratory studies and field work. Not to be counted toward a major in biology. 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 102 or 132. I

364 Vertebrate Embryology 4

A study of the development of vertebrates. Two lectures and two laboratory periods per week. Prerequisite: Biology 102 or 132; 361 recommended. 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 102 or 132. I a/y 1963-64

372 General Entomology 4

The classification, natural history, economic importance and control of insects. Two lectures and two laboratory periods per week. Prerequisite: Biology 102 or 132. II a/y 1963-64

411 Histology 4

A microscopic study of the tissues and organs of vertebrates. Two lectures and two laboratory periods per week. Prerequisite: Biology 132 and 361 or 364. I

424 Ecology 3

A study of plants and animals in relation to their environment. Two lectures and one laboratory period per week. Prerequisite: Biology 132 and 142. II a/y 1963-64

432 Comparative Psychology 3

A course devoted to the neurological basis of animal reactions with emphasis on the mechanics of adjustment to heat, light, chemical and mechanical stimulation. Prerequisite: Instructor's consent. S

441 General Physiology 4

A course designed to acquaint the student with the fundamental principles of physiology. Prerequisite: Instructor's consent. II a/y 1962-63

471 History of Biology 2

Rise and development of zoological theories and laws. Prerequisite: Biology 102, 132 or 142 or instructor's consent. I a/y 1963-64

481, 482 Seminar 1, 1

Selected topics in biology on the basis of literature and/or original research. Open to juniors and seniors majoring in biology. I II

497, 498 Independent Study 1-2

Investigations in fields of special interest may be carried out by those students majoring in biology who have demonstrated their ability to do independent work. Open to majors only. Prerequisite: Consent of the chairman of the department.

504, 505 Graduate Research 1-3

510 Graduate Seminar 1-3

520 Arthropod Vectors 3

Carriers of disease. Offered on demand.

BUSINESS ADMINISTRATION

*Mr. Zulauf, Mrs. Hilbert, Mr. King, Mr. Peterson
assisted by Mr. Pearson, Mr. Peters, Mr. Wilkins*

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.

103 Business Mathematics and Machines 2

Fundamental operation of 10-key and rotary calculators. Application of machines operation to problems in business mathematics including decimals, percentages, interest, discounts, markups, installments, annuities. I

141 Beginning Typewriting 2

Introduction of keyboard and basic techniques of touch system; for those who have had no previous training in typewriting. Five hours per week. I II

142 Advanced Typewriting 2

Review of fundamentals; development of speed and accuracy; emphasis on production standards in letters, tabulations, manuscripts, and business forms. Four hours per week. Prerequisite: BA 141 or equivalent. I II

143 Beginning Shorthand 3

Gregg Shorthand Simplified; for those who have had no previous training in this subject; emphasis on theory, reading, and copying; beginning dictation; no credit for one semester, must be followed by BA 144. Five hours per week. I

144 Intermediate Shorthand 3

Intensive review of fundamentals; emphasis on speed in reading, writing, and dictation; beginning transcription. Five hours per week. Prerequisite: BA 143 or equivalent. II

211, 212 Elementary Accounting 3, 3

Balance sheet, income statement, accounting cycle, adjustments, asset valuation, partnerships, corporations, basic cost accounting, funds statements, analysis of financial statements, use of costs in decision-making. I 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 141 or equivalent, and English 102. I

243, 244 Advanced Shorthand 3, 3

Emphasizes sustained speed building in dictation and transcription; stress is placed on competence designed to meet high secretarial employment standards. Four hours per week. Prerequisite: BA 144 or equivalent. I, 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 Consumer Economics 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

321 Labor Problems 3

See Economics 231.

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

342 Secretarial Procedure 3

Fundamentals of office practice and procedures; business ethics, attitudes, responsibilities; filing systems, office machines, duplicating processes, application of secretarial skills. Prerequisites: BA 142 and 144, 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 381. 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 141, 212. II a/y 1962-63

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, 381. 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 1963-64

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 1962-63

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

372 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 1962-63

373 Sales Management 3

Functions of the sales manager; organization; selection, development, compensation, supervision and control of salesmen; sales planning and analysis. Prerequisites: BA 371, 381. 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 1963-64

381 Statistics 3

See Economics 381.

391, 392 Business Law 3, 3

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

421 Personnel Management 3

Principles and procedures used in obtaining and maintaining an efficient working force. Prerequisites: BA 381 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. I
- 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, 381. 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.
- 499 Major Conference 1-4**
Individual problems and assignments, group conferences and research reports. Prerequisite: Consent of instructor.
- 550 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. Huestis, Mr. Olsen, Mr. Schwarz

Chemistry, the science that describes matter and the changes which matter can undergo, occupies an important position in present-day culture. The chemistry department aims to provide its students with every possible opportunity to obtain a sound knowledge of chemistry. In addition, however, it encourages its students to give serious consideration also to the broader areas of study which confront them at a Christian liberal arts institution and which can help them find purpose in life.

A major fulfilling the requirements for the Bachelor of Arts degree consists of a minimum of 24 hours plus Mathematics 112 and 131 and Physics 151, 152 or 261, 262.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in the field of chemistry should follow the course outline as listed under the School of Education in the section, Academic Organization.

Students planning to enter the chemical profession are advised to follow the program leading to the Bachelor of Science degree. This degree requires a minimum of 60 credit hours in the various fields of science and mathematics of which 40 hours must be in chemistry. These 40 hours must include Chemistry 122 or 132; 203, 204; 309; 311; 312; 321, 322; 401; and 422. It is considered extremely important that both Chemistry 312 and 322 be completed before the senior year. No more than 40 hours in chemistry may be counted toward graduation. Required supporting subjects include Physics 261, 262 (or 151, 152) and Mathematics 112, 131, 200, and 201. In addition, Physics 311 and 312; Biology 131, 132; and Mathematics 202 and 311 are recommended.

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 French or Russian is also recommended.

A student will not be allowed to enroll in a more advanced chemistry course if he has not obtained a grade of C or above in all chemistry prerequisites.

Suggested Course Schedule for the B.S. Program

Freshman Year		Hrs.	Sophomore Year		Hrs.
Chem 121, 122 Inorganic Chemistry and Qualitative Analysis or		8	Chem 203, 204 Organic Chemistry		8
Chem 131, 132 Chemical Principles		5	Math 201 Analytic Geometry and Calculus		3
Engl 101, 102 Composition		6	² Phys 261, 262 General Physics		10
¹ German 201, 202 Intermediate German		6	Rel 201 The Bible—Old Testament		2
Math 112 Plane Trigonometry		2	Rel 202 The Bible—New Testament		2
Math 131 College Algebra		3	¹ Electives		6-8
Math 200 Analytic Geometry and Calculus		4	Physical Education		2
Rel 101 Life of Christ		2			33-35
Rel 112 History of the Christian Church		2			
Physical Education		2			
		32-35			
Junior Year		Hrs.	Senior Year		Hrs.
Chem 309 Chemical Literature		1	Chem 401 Organic Qualitative Analysis		4
Chem 311, 312 Physical Chemistry		8	Chem 422 Advanced Inorganic Chemistry		3
Chem 321 Quantitative Analysis		4	³ Art or music requirement		3
Chem 322 Instrumental Analysis		4	³ Social science requirements		6
³ Literature requirement		3	³ Philosophy requirement		3
³ History requirement		6	Electives		13-15
³ Social science requirement		3			32-34
Electives		3-6			
		32-36			

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.

²Physics 151, 152 may be substituted, if necessary.

³Courses thus designated may be taken in any order.

111 General Inorganic Chemistry 4

Basic aspects of chemical theory and inorganic chemistry. Three lectures and one 2-hour laboratory period per week. I

112 Introductory Organic Chemistry 4

Survey of organic chemistry, including that pertinent to biological systems. Three lectures and one 2-hour laboratory period per week. Prerequisites: Chemistry 111, 122, or 132. II

121, 122 Inorganic Chemistry and Qualitative Analysis 4, 4

Fundamental chemical theory, inorganic chemistry, and, in the second semester, inorganic qualitative analysis. This course or Chemistry 131, 132 is a prerequisite for all chemistry courses numbered 200 or above. Two lectures, one discussion period, and one 3-hour laboratory period per week. Prerequisite: Completion of Mathematics 101 or its equivalent, or co-registration in Mathematics 101. I II

131, 132 Chemical Principles 4, 1

First semester consists of an intensive coverage of chemical principles and illustrative inorganic chemistry, second semester of supervised study of topics of unique interest or value to the individual student. Admission *only* by departmental invitation, which will be extended to students who (a) enroll in Chemistry 121, 122 and obtain high scores on an entrance examination evaluating their previous training in chemistry or (b) present a grade of 3, 4, or 5 on an Advanced Placement chemistry examination. First semester: two lectures, one discussion period, and two 2-hour laboratory periods per week. Second semester: one discussion period per week. I 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 122. I II

221, 222 Industrial Chemical Calculations 2, 2

Quantitative interpretation and application of physical and chemical data to various industrial processes. This course is primarily for those people who intend to enter the field of chemical engineering. Two lectures per week. Prerequisites: Chemistry 122 and Mathematics 201 and 202 (may be taken concurrently). I II a/y 1963-64

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 152 or 262, Chemistry 204, and Mathematics 131. II

309 Chemical Literature 1

Study of systematic procedures for library research. One lecture per week. Prerequisites: Chemistry 204 and reading knowledge of German. I a/y 1962-63

311, 312 Physical Chemistry 4, 4

A study of the relationship between the physical and chemical properties and the energy content of chemical systems. Three lectures and one 3-hour laboratory period per week. Prerequisites: Chemistry 204, Physics 262 (or 152), and Mathematics 201. I II

321 Quantitative Analysis 4

Chemical methods of quantitative analysis. Two lectures and two 3-hour laboratory periods per week. Prerequisites: Chemistry 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. II

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. Prerequisites: Chemistry 312 or 322 (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, stereochemistry and reaction mechanisms. Three lectures per week. Prerequisites: Chemistry 312 or 322. 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. Prerequisites: Chemistry 312 or 322. II

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. King, Mr. Peterson

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 28 semester hours including Economics 101, 102, 301, 302, 304, 381, and 401, 402. As supporting subjects for a major, Mathematics 151 and 200, or their equivalent, are required. English 101, 102 must be completed with a grade of C or better.

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. II

273 Consumer Economics 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

304 Development 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. I a/y 1962-63

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 1962-63

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

401, 402 Seminar 2, 2

A general review of economic theory. Student research into current economic analysis in selected areas. 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

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

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

EDUCATION

*Mr. Amend, Mr. Bolon, Mrs. Broeckel, Mr. Carlson, Mr. Eklund,
Mr. A. Hagen, Miss Nielsen, Mr. Pederson, Miss Runbeck,
Mr. Sjöding, Mrs. Stenson, Mr. Stein;
assisted by Mr. Holden, Mrs. Lamka, Mr. Mainord, Mr. Springer*

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 developmental process of the human organism beginning with the prenatal period and continuing through adolescence. Emotional, social, intellectual, and physiological aspects of development are included. Students will have opportunity to do both longitudinal and cross-sectional type observations. 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

312ab or cd The Teaching of Reading 2

A comprehensive survey of teaching reading in all the grades. Effective materials, methods, techniques and procedures are studied. 312ab for elementary teachers and 312cd for secondary teachers. 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 II

405 Adolescent Psychology 2

See Psychology 405. (G)

407 Educational Sociology 2

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 II (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. I 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)

425 Classroom Art Techniques 2

See Art 425. (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)

429 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 (G)

431ab and cd Teacher Education Seminar 1

This course brings together the college teachers and the classroom teachers from the public schools who are working with student teachers so that they may build common understandings and goals for the training of teachers. 431ab for elementary teachers and 431cd for secondary teachers. I

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 311cd. S

436, 437, 438, 439 Workshops 1-3

Workshops in special fields held during the summer for varying periods of time. S (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

See English 440c. (G)

440d Literature in the Secondary School 2

See English 440d. (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)

445 Teaching World Understanding in the Elementary School 2

The psychology and sociology underlying the teaching of world understanding to children; implementation of these ideas in the curriculum; concrete plans for the classroom teacher's use. S

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 alternate teaching level plus student teaching on that level. Students enroll in 463a or b and 461cd or in 463c or d and 461ab. I II

463a, b, c, or d Student Teaching 9

Teaching in the public schools under the direction and supervision of classroom teachers and university teachers. Those preparing primarily for kindergarten and primary elect 463a; those for intermediate and upper grades, 463b; those for junior high school, 463c; and those for senior high school, 463d. Prerequisite: Education 311 and one semester in residence. I II

465 Special Project 1-5

Students who wish to do individual study and research on educational problems or additional laboratory experience in public school classrooms may do so with special permission of the 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 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)
- 476 Behavior in the Classroom 2**
A study of the means of building pupil-teacher relationships conducive to a good learning climate and to the development of responsible well-balanced citizens. Prerequisite: Teaching experience or consent of the instructor. 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
- 536, 537, 538, 539 Workshops 1-3**
Graduate workshops in special fields held during the summer for varying lengths of time. S
- 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

572 Vocational Guidance 2

A study of the techniques and procedures of vocational guidance and counseling. Topics emphasized are interviewing, tests necessary for study of vocational fitness, making and writing up interpretations from testing and other fact-finding devices, practice in writing case reports, sources of vocational information, and classroom methods in vocational group guidance. Students are required to take representative tests and to give vocational guidance to at least one college undergraduate or high school student, such work to be performed outside of class under periodic supervision. S

581 Public School Administration 3

A beginning course for those students planning to enter the field of public school administration and supervision. Some consideration will be given to the role of the school board and superintendent, but major emphasis will be on the role of the principal as his work relates to children and youth, parents, teachers, and other school employees, buildings, transportation, and the community. Prerequisite: At least one year of teaching experience. S

584 Public Relations 2

Teaching and public school management critically studied for opportunities to improve public relations. S

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.

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. Briesmeister, Mr. Carlson,
Mrs. Johnson, Mr. Klopsch, Miss Knudson, Miss Moravec,
Mr. Nesvig, Mr. Olafson, Mr. Reigstad, Mr. Reynolds;
assisted by Mrs. Hundtofte*

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 journalistic, critical and creative writing; (3) to give men and women, regardless of their intended vocations, the rich interpretive insights into man's experience, together with the aesthetic values, that an intensive and extensive knowledge of literature affords; or (4) to provide training for teachers of English on all levels, including the preparation for graduate work leading to teaching in college.

For the major in literature in liberal arts at least 24 credit hours are required in addition to English 101 and 102. These shall include:

English 251 and 252 (or 251 and 484), 6 hours.

English 382 or 383 or 384 or 388 or 482, 3 hours.

English 341 or 342 or 389 or 483 or 484, 3 hours.

A second course from one of the last two groups, 3 hours.

Upper division electives, 9 hours.

Majors who plan to do graduate work should take 404, 497 and 498 in addition to the above requirements.

The requirements for majors should be regarded as bare minimums. The student is urged to take additional courses, both lower and upper division, to round out his knowledge of the masterpieces of English and American literature and, to the extent possible, of world literature. At the beginning of his junior year the student's program should be planned in consultation with the major adviser to insure the best possible training in literature and in related fields.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in the field of English should follow the course outline as listed under the School of Education in the section, Academic Organization.

51 Preparatory English 0

A review of the mechanics of expression: grammatical usage, punctuation and capitalization, and spelling. Students who fail in the English Placement Test are required to complete this course before being allowed to register for English 101. Three hours per week. I

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

103 Composition Workshop 2

For students needing individual work upon elementary problems in writing exposition. Students planning to enter college in the fall or students at any point in their college work may register for this course. S

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; make-up; laboratory work in connection with the *MOORING MAST* and *SAGA*. II

208 Editorial Conference 1-4

Provides opportunity for the university publication staff to do practical research work on journalistic problems. Open to advanced students in journalism with consent of the instructor. I II

217 The Short Story 2

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 2

Aimed to help the student develop greater accuracy, facility, clarity and effectiveness in the ordinary forms of written discourse. (Upper division students may obtain upper division credit.) I

230 An Approach to Literature 3

A study of representative types of drama, poetry, essays and prose fiction. The aim of the course is to develop an appreciation of literature by considering the nature of the creative experience and the qualities and functions of literature as art. Not recommended for majors in literature. I II

233, 234 World Literature 3, 3

A reading course in the literatures of various nations, ancient, medieval, and modern. Intended to give pleasure and to develop an understanding of the foreign point of view. Readings, reports, lectures, discussions. I II

242 Major American Writers 3

Designed especially for students not majoring in English. Not recommended for those who plan to take 341, 342. II

251, 252 Literary Backgrounds 3, 3

A study of English classics from *Beowulf* to Hardy, emphasizing the work of the major writers, the development of literary forms, and their relation to the general cultural background. I II

302 The English Language 2

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 Children's Literature 2

A short history of children's literature: a study of the literature for children in the lower grades. I

329, 330 Masterpieces of Expository Literature 3, 3

A study of books notable for their literary value and for their wide influence upon literature and thought in the western world. Major works by such writers as Machiavelli, Erasmus, More, Montaigne, Bacon, Galileo, Pascal, Locke, Newton, Rousseau, Lessing, Voltaire, Diderot, Newman, Carlyle, Kierkegaard, Arnold, Darwin, Pater, Nietzsche, Henry Adams, Veblen. I II

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

335 Folklore and Folk Literature 2

A study of folk literature with particular emphasis on the ballad and the folktale; some attention to related folk customs and beliefs. II

341, 342 American Literature 3, 3

From Edwards to Hawthorne and Melville. From Whitman and Twain to World War I. I II

349 Modern Poetry 2

A study of recent English and American poetry. II S

350 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

357 English Drama 3

Plays representing the development of drama from the sixteenth century to the nineteenth, exclusive of Shakespeare. I a/y 1963-64

358 Modern Drama 3

Selected plays representing the development of drama in the contemporary period: British, Continental, American. II a/y 1962-63

381 Medieval British Literature in Translation 3

Primarily a study of prose, poetry, and drama of the Middle English period but includes also a selection of Old English literature. I

382 Chaucer 3

Especially *Troilus* and *Crisyde* and *The Canterbury Tales*. Some study will be made of the development of the English language. II a/y 1962-63

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, Twelfth Night, Measure for Measure, Hamlet, Lear, Coriolanus, Timon of Athens, Tempest. II

388 Seventeenth Century Literature 3

Donne, Milton and their contemporaries. II a/y 1963-64

389 Eighteenth Century Literature 3

Defoe, Addison, Swift, Pope, Thomson, S. Johnson, Boswell, Goldsmith, Gray, Collins, Burns, Blake. I a/y 1962-63

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

421 Advanced Children's Literature 2

A continuation of the study of children's books with emphasis on the early writing for children and on the juvenile literature of the last five years; special problems in book selection. Prerequisite: English 321. S

440c English in the Secondary Schools 2

Materials, problems, and methods. I

440d Literature in the Secondary Schools 2

A study of literature for junior and senior high school students. II

441 American Novel 3

Survey of the development of the novel in the United States from the eighteenth century to the present day. II a/y 1963-64

442 American Drama 3

A brief survey of 18th and 19th century American drama, with more particular study of twentieth century plays and playwrights. I a/y 1962-63

451 English Novel 3

A study of several novels, selected to represent some of the main developments in prose fiction during the eighteenth and nineteenth centuries. I a/y 1963-64

471, 474 Studies in Major Writers 3, 3, 3, 3, (2, 2, 2, 2S)

Major works of from one to five writers will be studied intensively: 471, Classical American Writers; 472, British Writers; 473, 474, Contemporary American, British or Continental Writers. I II S

481 English Renaissance Drama 3

Shakespeare's contemporaries: Lyly, Peele, Greene, Marlowe, Dekker, Jonson, Marston, Webster, Chapman, Tourneur, Beaumont and Fletcher, Middleton, Massinger, Ford.

482 Sixteenth Century Literature 3

Prose and poetry of the Renaissance in England, including work of Skelton, More, Gascoigne, Sidney, Spenser, Donne, Lyly, Ascham, Greene, Deloney, and others. II a/y 1963-64

483 Early Nineteenth Century Literature 3

Wordsworth, Coleridge, Scott, Byron, Shelley, Keats; with supplementary reading of essays and criticism of the period. I

484 Late Nineteenth Century Literature 3

An intensive study of the literature of the Victorian period (1830-1900): poetry, criticism, drama and some fiction. II

497, 498 Major Conference 2, 2

Designed to enable exceptional senior major students and senior majors who plan to do graduate work in literature and to round out their background by an intensive, planned course of reading. I II

550 Graduate Seminar 1-3

FOREIGN LANGUAGES

*Mrs. Little, Mr. Govig, Mr. Haydon, Mr. Koppitch, Mr. Luciw,
Mr. Malmin, Mr. Roe, Mr. Spangler, Mr. Weber*

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).

The elementary courses in foreign languages (101, 102) are not open for college credit to students who have completed two years of the respective language in high school. All elementary foreign language classes meet daily.

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.

Not open to freshmen and students with previous credits in Greek and Latin.

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 to concentrate in the field of German should follow the course outline as listed under the School of Education in the section, Academic Organization.

- 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 1963-64
- 302 Goethe's Faust 3**
Review of earlier literary expressions of the Faust theme and Faust, Part I. II a/y 1963-64
- 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 1962-63
- 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 1962-63
- 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

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 to concentrate in the field of French should follow the course outline as listed under the School of Education in the section, Academic Organization.

- 101, 102 Elementary French 4, 4**
Grammar, selected readings. I II
- 201, 202 Intermediate French 3, 3**
Readings in French history and literature. I II
- 221, 222 Grammar and Conversation 2, 2**
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 1962-63. 18th Century to the 20th Century. II a/y 1962-63
- 351, 352 Composition and Advanced Grammar 3, 3**
I II a/y 1962-63
- 401, 402 Contemporary French Literature 3, 3**
Study and analysis of representative playwrights and novelists. I II a/y 1963-64
- 440m Methods in Teaching French 2**
Offered on demand.

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. Worstell***101 Engineering Problems 2**

An introduction to engineering methods including mathematic review, use of slide rule and logarithms, use of formulas in problem solving with emphasis on systematic procedure and standard form of reports. I II

151, 152 Engineering Drawing and Descriptive Geometry 2, 2

I II

GEOGRAPHY*Mr. Jansen***101 World Geography 3**

A survey of the physical and social features of the various countries. I II

GEOLOGY*Mr. P. Carlson*

The earth is a vast and fascinating subject for study. This study is rooted not only in human curiosity but in the need to know more about the products of the earth, which are the lifeblood of civilization. Geology is the science that probes at the secrets the earth still holds, secrets not only of fact but of principle that explains the fact.

101, 102 General Geology 4, 4

The earth; its materials and history. Physical geology the first semester; historical geology the second semester. Two lectures and two laboratory periods per week. I II

121 Rocks and Minerals 2

A study of the composition, classification and identification of the common rocks and the important economic and rock forming minerals. S

203 Mineralogy 3

Fundamental principles of crystallography and mineralogy. One lecture and two laboratory periods per week. I

204 Petrology 3

Origin, occurrence, classification of the more common rocks; emphasis on hand lens identification. II

HEALTH AND PHYSICAL EDUCATION

*Mr. Salzman, Mr. Gabrielsen, Mr. Lundgaard, Mrs. Templin, 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 131, 132, 161, 162. Physical Education 210, 292, 312, 322, 334, 341, 342, 345, 346, 363, 450, 497.

Women—Prerequisite: Biology 131, 132, 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 to concentrate in Health and Physical Education should follow the course outline under the School of Education in the section, Academic Organization.

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 1963-64

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 1

Optional activity class for sophomores. I II

207 Gymnastics and Rebound Tumbling 1

Optional activity class for sophomores. I II

Theory

- 270 Football 2**
II
- 271 Basketball 2**
II
- 272 Track 2**
II a/y 1962-63
- 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
- 290 Methods in Teaching Individual Sports (Women) 2**
Techniques and methods used in teaching tennis, golf, archery, badminton, and tumbling. II
- 312 Physical Education in the Elementary School 2**
Progressive series of games and athletic activities 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 1962-63
- 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 1963
- 333 Methods in Teaching Team Sports (Women) 2**
Techniques and methods used in teaching soccer, basketball, volleyball and softball. I
- 334 Life Saving 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
- 341 Methods in Folk Games 2**
Study of the methods and materials used in folk dancing. I
- 342 Problems in Teaching Rhythmics 2**
Prerequisite: Health and Physical Education 341. 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 1963

483 Tests and Measurements in Physical Education 3

S a/y 1963

491 Reading and Research 1-2

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 1963

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. Nodtvedt, Mr. Akre, Mr. Ristuben, Mr. Schnackenberg, Mr. Vigness

The aim of the study of history is to acquaint the student with man's past political, economic, intellectual, social, artistic and religious activities in order that he may orient himself intelligently in contemporary world affairs. He will then be better equipped to interpret man's role in the rapidly evolving events of our changing social order.

Major in Bachelor of Arts degree: 30 credit hours including History 103, 104 and 203, 204. The following courses in other departments of social science are required to support the major in history: Geography 101; Economics 101 or 300; and, Political Science 301. At least one upper division course in sociology is recommended.

The remaining 18 hours required for completion of a major in history are to be selected from upper division history courses in consultation with the departmental major adviser.

Candidates for the Bachelor of Arts degree in Education who are planning to concentrate in the field of history should follow the course outline as listed under the School of Education in the section, Academic Organization.

103, 104 History of Western Europe 3, 3

A general survey of European civilization from the fall of the Roman Empire to 1914. I II

112 History of the Christian Church 2

See Religion 112.

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 the American institutions and ways of life. I II

210 The Pacific Northwest 2

A survey of the discoveries, explorations and settlements of the Pacific Northwest. The international rivalries; the missionary, economic and political background; the establishment of the state and local governments. I II

231 Latin American History 3

An introductory survey of the beginnings and development of the Latin American countries. The relation of Latin America to the United States and European nations holding colonies in and near South America. Offered on demand.

241, 242 History of the Ancient World 3

First semester: Survey of the ancient Mediterranean world through the history of ancient Greece and the conquest of Alexander the Great. Second semester: Roman history. The origin and rise of the Roman Empire and Roman civilization; its political, economic and social development and foreign policy. May be taken for upper division credit with consent of instructor. I II

313 Medieval History 3

A study of the history of Europe from the fall of the Roman Empire to the beginnings of the Renaissance (476-1300). Documentary research in selected medieval sources. I a/y 1963-64

333 European History from 1648 to 1789 3

An advanced study of men and movements during the early development of the modern, scientific age. Readings and research. Prerequisite: History 103, 104. I a/y 1962-63

334 The French Revolution and Napoleon 3

An advanced course of readings and research in the revolutionary events in Europe from 1789 to the Congress of Vienna. Prerequisite: History 333. II a/y 1962-63

337 Nineteenth Century Europe 3

An advanced study of the development and expansion of European civilization from 1815 to 1914. Readings and research. Prerequisite: History 103, 104. I a/y 1963-64

338 Twentieth Century Europe 3

An advanced course of readings and discussions of events and trends marked by two global wars since 1914. Prerequisite: History 337. II a/y 1963-64

341 American Colonial History 3

An intensive study of the colonial period to the American Revolution: backgrounds of colonial settlements, colonial governments and the economic, political, religious and cultural progress up to the independence period. Prerequisite: History 203, 204. I a/y 1962-63

352 Recent American History 3

A study of the political, social, economic structure and cultural institutions of the United States in the present century. The United States in world history; the two World Wars, the United Nations, the Cold War. Prerequisite: History 203, 204. II a/y 1963-64

361, 362 English History 3, 3

A study of the political, economic, social, legal, literary, artistic and religious developments in the British Isles. First semester: England to 1603; second semester: The Stuarts to 1901. I II a/y 1962-63

365 The Renaissance 3

A systematic study of the Age of the Renaissance in Italy. Italian and trans-Alpine humanism. Readings and research in selected areas of the Renaissance by each student. Contributions to the Reformation Era. Prerequisite: History 103, 104. I a/y 1963-64

366 The Reformation 3

An intense study of the Reformation Era especially in Germany, Switzerland, France, England. Readings and research by each student. Also a study of the Catholic Reformation. Prerequisite: History 103, 104. II a/y 1963-64

425 The High Renaissance 2

Introductory background to the High Renaissance. Renaissance during the late fifteenth and the sixteenth centuries. Readings, research theses. I a/y 1962-63

426 The Reformation in the British Isles 2

An intensive study of the Protestant Reformation in Britain and Scotland during the sixteenth and seventeenth centuries. II a/y 1962-63

443 American History (Civil War and Reconstruction) 3

Special emphasis on the impact of the Civil War and the period of reconstruction upon the country: the political, social, economic and diplomatic trends and changes. Prerequisite: History 203, 204. I a/y 1963-64

454 History of American Diplomacy 3

A survey of 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: Consent of instructor. II a/y 1962-63

456 History of European Diplomacy Since 1870 3

The Bismarckian Alliance structure. France and Russia. British isolation and its problems. Triple Alliance and Triple Entente. The League of Nations. French hegemony and collective security. International anarchy and the rise of the Axis Powers. World War II. The United Nations and the Cold War. Readings and discussions. Prerequisite: Consent of instructor. I a/y 1963-64

457 History of Ideas: European Civilization 3

An advanced study of the leading ideas developed in pursuit of the meaning of history in western Christendom since the decline of Rome. Readings and research in the writings of Augustine, Aquinas, Vico, Macchiavelli, Luther, Bossuet, Voltaire, Condorcet, Marx, Comte, Burckhardt, Toynbee. Prerequisite: Consent of the instructor.

464 Britain in the Twentieth Century 3

Nineteenth century background of the British Empire. Origin and rise of the Labor party, disintegration of the Liberal party, Irish nationalism. Parliament and social legislation. Formation of the British Commonwealth of Nations. The Empire's part in the world wars of the twentieth century and in the United Nations. Prerequisite: History 103, 104. II a/y 1963-64

471 English Constitutional History 3

Evolution of the English concept of the crown and parliamentary government from Anglo-Saxon times to the present. The structure and the functions of England's central and local governmental institutions. Evolution of imperial government and relations with dominions and colonies. Prerequisite: Consent of instructor. I a/y 1963-64

474 American Constitutional History 3

A survey of 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: Consent of instructor. II a/y 1963-64

475 Nineteenth Century Italy 2

Lectures, readings and discussions on the rise of liberalism and nationalism in the Italian peninsula from 1815 to 1915. S

476 England and Scotland in the Seventeenth Century 2

An advanced examination of the tumultuous affairs in British development which led to the victory of Parliament. The Stuarts, Cromwell, dissent, restoration. William and Mary. Readings, discussions. S

481 History of Russia 3

A general survey of the development of Russia. Attention given to the collapse of Czarism, the rise of Communism, and present world relations. Prerequisite: History 103, 104. I a/y 1962-63

484 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. II a/y 1962-63

491, 492 Independent Reading and Research 1-2

595, 596 Seminar in European History 3

597, 598 Seminar in American History 3

MATHEMATICS

Mr. Muyskens, Mr. Newell, assisted by Mr. Rognlie

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 290, and at least 12 credit hours of upper division courses. Physics 261, 262 is also required. Physics 412 may be substituted for four hours of upper division mathematics.

Candidates for the Bachelor of Arts in Education degree, who are planning to concentrate in the field of mathematics, should follow the course outline as listed under the School of Education in the section, Academic Organization.

Requirements for the Bachelor of Science degree in Mathematics consist of a minimum of 37 credit hours of mathematics including Mathematics 202 and 290 and at least 24 credit hours of upper division mathematics and a minimum of 60 hours in the areas of science and mathematics. Physics 261, 262 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

Freshman Year		Hrs.	Sophomore Year		Hrs.
Engl 101, 102	Composition	6	Art or music	elective	3
Hist 103, 104	History of Western Europe or		Math 202	Analytical Geometry and	
Hist 203, 204	American History	6		Calculus	3
*Math 200, 201,	Analytic Geometry and		Math 290,	The Number System	3
	Calculus	7	Phys 261, 262	General Physics	10
Rel 101	Life of Christ	2	Rel 201	The Bible—Old Testament	2
Rel 112	History of the Christian Church	2	Rel 202	The Bible—New Testament	2
PE activity		2	Social science	elective	3
Science elective		8	Electives		3
		33	PE activity		2
					31
Junior Year		Hrs.	Senior Year		Hrs.
Literature	elective	3	Foreign	language	6
**Foreign	language	8	Mathematics	approved courses	12
Mathematics	approved courses	12	Social	science electives	6
Phil 201	Introduction to Philosophy or		Electives		8
Phil 312	Ethics	3			—
Science	elective	6			32
		—			—
		32			—

*Students not qualifying for Mathematics 200 upon entrance should register for Mathematics 112 and/or 131 and then take both Mathematics 200 and 290 in the second semester of the sophomore year.

**Students 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.

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

290 The Number System 3

A postulational development of the real number system. Prerequisite: Mathematics 200 or consent of instructor. 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

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 1962-63

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 1962-63

431, 432 Advanced Calculus 3, 3

A rigorous and extended treatment of topics introduced in elementary calculus. Prerequisite: Mathematics 202 and 200 or consent of instructor. I II a/y 1962-63

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 1963-64

460 Elementary Topology 2

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

495, 496 Seminar 1, 1

Open to advanced students with consent of department.

497, 498 Independent Study 1-2

Open to advanced students with consent of department. I II

MUSIC

Mr. Christensen, Mr. Fritts, Mr. Gilbertson, Mr. Newham, Miss Payne, assisted by Mrs. Elliott, Mr. Knapp, Mr. Malnin, Mr. Rostkoski

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 will be expected to attend the faculty and student recitals of the Music Department.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in music should follow the course outline as

listed under the School of Education in the section, Academic Organization.

101 Fundamentals 3

A study of the rudiments of music, including rhythms, sight reading, elementary keyboard experience and creative music. I II

110 Class Piano 1

For all music majors with a deficiency. I

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 1

Tryouts are held at the beginning of each fall semester. Singing of both sacred and secular music, with and without accompaniment. I II

134 Choir of the West 1

Tryouts are held at the beginning of each fall semester. A capella singing of sacred music. All members are required to take a minimum of one semester of private voice lessons each year during the first three years of membership. I II

135 Madrigal Singers and Vocal Ensemble 1

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 1

Membership determined by tryouts. I II

137 Chamber Ensemble 0-1

I II Prerequisite: Consent of instructor.

138 University Band 1

Membership determined by tryouts. I II

140 Class Voice Instruction 1

Haywood method. A beginning course in group voice instruction for students and teachers requiring an introduction to the principles of voice placement and automatic breath control; voice ranges and simple repertoire. Required for education majors. Does not apply to the voice instruction requirement for Music 134, Choir of the West. I

141, 142 Strings 1, 1

Instrumental laboratory. Three hours per week. I II a/y 1963-64

150 Piano 1-2

I II S

152 Organ 1-2

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

- 154 Voice 1-2**
Voice production, placement, breath control, diction, interpretation, repertoire. Simple oratorio and operatic arias and art songs. I II
- 156 Violin, Viola 1**
I II
- 157 Cello, Bass 1**
I II
- 160 Class Piano for Music Majors 1**
On demand.
- 162 Class Organ for Music Majors 1**
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 1, 1**
Study of the periods and styles as exemplified in the works of the most important composers. I II
- 243 Woodwinds 1**
Instrumental laboratory. Three hours per week. I a/y 1962-63
- 244 Brass and Percussion 1**
Instrumental laboratory. Three hours per week. II a/y 1962-63
- 311 Modal Counterpoint 2**
Prerequisite: Music 212. I a/y 1963-64
- 312 Tonal Counterpoint 2**
Prerequisite: Music 212. II a/y 1963-64
- 321 Music in the Renaissance 3**
I a/y 1963-64
- 322 Music in the Baroque 3**
II a/y 1963-64
- 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 1963-64
- 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 1962-63
- 350 Piano (Advanced) 1-2**
I II

- 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 1962-63
- 412 Form 2**
The larger forms and form problems in contemporary music. Prerequisite: Music 212. I a/y 1962-63
- 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 1962-63
- 421 History of Church Music 2**
I a/y 1963-64
- 422 Applied Church Music 2**
II a/y 1963-64
- 423 Classic and Romantic Music 3**
I a/y 1962-63
- 424 Contemporary Music 3**
II a/y 1962-63
- 425 Major Conference 1-3**
- 426 Music in Antiquity and Middle Ages 3**
II a/y 1963-64
- 427 Bach 2**
The life and music of the composer and his importance in Western culture. II a/y 1963-64
- 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

*Miss Wagner, Mrs. Morken, Miss Byles, Mrs. Christensen, Miss Jacobsen,
Mrs. S. Johnson, Miss Tollefson and Assistants*

The requirements for the Bachelor of Science in Nursing degree are outlined under the School of Nursing in the section, Academic Organization.

***103 Introduction to Nursing 2**

A study of the qualifications of nursing through a study of the history of nursing and its important trends. Emphasizes characteristics and attitudes essential in professional nursing and abilities basic to nursing care, communication and observation skills and the role of the nurse in the health team. A brief survey of the fields of nursing. I

136 Fundamentals of Nursing 9

An introduction to clinical nursing with emphasis on basic principles and skills required in giving comprehensive nursing care, including basic nursing techniques, normal nutrition, elementary pharmacology and concepts of community health. Laboratory experience including ward conferences and ten hours of classes weekly. S

235, 236 Medical-Surgical Nursing 9, 9

A course to help the student acquire knowledge and gain understanding of the inter-relationship of the physiological, psychological, sociological, economic, nutritional and pharmacological aspects of caring for patients with acute and chronic disease conditions. Includes the nursing care of the patients on medical and surgical wards, tuberculosis unit, out-patient clinics, operating and recovery rooms. Sixteen hours laboratory experience including ward conferences and six hours of class each week. I II

335, 336 Maternal-Child Nursing 7, 7

A study of the essential knowledge and understanding which enables the nurse to give comprehensive nursing care to mothers, infants, children and adolescents. Areas of integration include pharmacology, nutrition, disaster nursing, public health nursing and mental and spiritual health concepts. Emphasis is on the family-centered approach to total nursing care in home, hospital, clinic and community. Instruction and concurrent laboratory experience include observation and care throughout antepartum, delivery and postpartum, in out-patient and crippled children's clinics, in premature and normal nursery, in nursery schools, well child conferences and children wards in hospitals. Sixteen hours laboratory experience including ward conferences and four hours of class per week. I II

***338 Public Health Organization 2**

A study of the administration, organization and services of both voluntary and official agencies on national, state and local levels. II

*May be taken by non-nursing majors.

401, 402 Seminar 2, 2

A survey of the professional field, and professional responsibilities including a study of nursing research. I II

404 Historical Development of Nursing 2

A course designed to acquaint the student with historical backgrounds, present day philosophy and trends in the field of nursing. Includes a study of professional organization, activities and publications. I II

435 Psychiatric Nursing 6

A study of major concepts of mental health and psychiatric nursing as it relates to the nurse in the total therapeutic milieu of the individual psychiatric patient. Guidance is given in understanding personal needs and behavior patterns of adjustment. Clinical laboratory experience to develop greater understanding of interpersonal relationships and the forces affecting these relationships in a psychiatric setting. Sixteen hours laboratory experience including ward conferences and three hours of class per week for one semester. I II

436 Public Health Nursing 7

A study of the scope, principles and trends in public health nursing and the general responsibilities of the public health nurse working with family and community health problems. Affords opportunity to apply skills and basic principles as a health teacher and consultant in the areas of maternal and child health, morbidity, orthopedics, nutrition, mental health, school health and communicable disease, and includes principles in epidemiology and biostatistics. The basic laboratory experience will be concentrated in an eight week block at the Tacoma-Pierce County Health Department, in homes, in well child conferences and clinics as well as participating in community health activities.

475 Advanced Nursing 8

A course offering advanced nursing experience with emphasis on team nursing, ward and personnel management, and emergency nursing. The basic laboratory experience will be concentrated in an eight-week block. I II

497, 498 Independent Study 1-2

Prerequisite: Permission of the director.

PHILOSOPHY

Mr. Kuethe, Mr. Arbaugh

Major: 24 credit hours, including Philosophy 201, (or 300), 220, 301, 302.

Course 201 or 300 is to be regarded as an introduction to all philosophy offerings. Course 201 (or 300), or 301-302, or 312 will satisfy the philosophy requirement. Course 461 may be taken to meet the requirement only upon written permission from the chairman of the philosophy department. Courses 201, 312, and 351 are recommended for religion majors and for pre-seminary students not majoring in philosophy.

201 Introduction to Philosophy 3

The meaning of philosophy as the "examined life." An introduction to the logic of scientific method. A study of the major terminology and types of philosophy. Open to freshmen who enter with honors. I II

220 Logic 3

An examination of the principles of argument and proof, including the fundamentals of traditional deductive and inductive logic, and an introduction to modern symbolic logic. Problems relating to the application of logic are considered. I

300 Principles of Philosophy 3

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

301, 302 History of Philosophy 3, 3

The first semester will cover Greek, Roman and medieval philosophy; the second semester, modern philosophy from Descartes to the present. I II

312 Ethics 3

The study of deliberative choice. Dialectical estimate of the worth of hedonism, ethical naturalism, moral rigorism, and Christian ethics. I II

322 Social Ethics 3

A systematic study of the application of various ethical principles to a variety of social policies and relationships. II a/y 1962-63

351 Philosophy of Religion 3

The evidence for belief in God; the discussion between science and religion. Valuable for science majors. I

415 Theory of Value 3

An examination of the nature of human values with special attention given to contemporary discussions concerning the subjective or objective, absolute or relative character of such values as the good and the right, the beautiful, and the holy. I a/y 1962-63

424 Kierkegaard 3

An introduction to the existential approach. II a/y 1963-64

441 Nineteenth Century Philosophy 3

A study of significant thinkers of the nineteenth century, e.g., Hegel, Nietzsche, Marx, Kierkegaard, Mill, James. II a/y 1962-63

442 Contemporary Philosophy 3

A study of important present day philosophic schools. II

451 Oriental Philosophy 3

An historical introduction to the major philosophic systems of India, China, and Japan. II a/y 1963-64

461 Theory of Knowledge and Scientific Method 3

An introduction to the nature and problems of human knowledge. Includes a study of the character and methods of science, and of classic historical and contemporary discussions concerning human knowledge of God, the self, and the world. I a/y 1963-64

498 Seminar 3

II

PHYSICS

Mr. Jordahl, Mr. Kirk

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, 412 and 451, supported by one year of inorganic chemistry and mathematics through course 202.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in the field of physics should follow the course outline as listed under the School of Education in the section, Academic Organization.

The Bachelor of Science degree in physics requires a minimum of 35 hours in physics including courses 311, 312, 315, 412 and 451, 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 in the major can be counted toward this degree. German, French, or Russian are recommended for the language requirement.

Curriculum in Physics

Freshman Year		Sophomore Year	
	Hrs.		Hrs.
Chem 121, 122 Inorganic Chemistry and Qualitative Analysis	8	Art 110 Introduction to Visual Arts	3
Engl 101, 102 Composition	6	Hist 103, 104 History of Western Europe or	
¹ Modern Language 201, 202	6	Hist 203, 204 American History	6
Math 131 College Algebra	3	Math 201 Analytic Geometry and Calculus	3
Math 200 Analytic Geometry and Calculus	4	Math 202 Analytic Geometry and Calculus	3
Rel 101 Life of Christ	2	Phys 261, 262 General Physics	10
Rel 112 History of the Christian Church	2	Rel 201 The Bible—Old Testament	2
PE activity	2	Rel 202 The Bible—New Testament	2
	—	Social science elective	3
	33	PE activity	2
			—
			34
Junior Year		Senior Year	
	Hrs.		Hrs.
Math 311 Differential Equations	3	Literature elective	3
Math 312 Applied Mathematics	3	Philosophy requirement	3
Social sciences (upper division)	6	Physics electives	8
Phys 311 Modern Physics	3	Electives	16
Phys 312 Nuclear Physics	3		—
² Physics laboratory courses	14		30
	—		
	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.

²The exact sequence of physics courses in the junior and senior years will vary due to the fact that certain courses are offered in alternate years.

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. Not recommended for physics majors or engineering 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

261, 262 General Physics 5, 5

A course designed to give a firm foundation in physical principles and their application in the solution of problems. First semester: mechanics, heat and sound; second semester: electricity, magnetism, light and modern physics. Prerequisite: Mathematics 131 and concurrent registration in Mathematics 200 and 201. 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 261, 262 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

315 Heat and Thermodynamics 4

An intermediate course dealing with calorimetry, temperature measurement, methods of heat transfer, thermal properties of substances, and an introduction to thermodynamics. Three lectures and one 3-hour laboratory period per week. Prerequisite: Physics 261, 262, Mathematics 202. I a/y 1963-64

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 261, 262, Mathematics 201. II a/y 1963-64

342 Mechanics 4

A course in engineering mechanics dealing with statics, dynamics, and kinetics. Prerequisite: Physics 261, 262, Mathematics 202. 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 261, 262 and 311; Chemistry 121, 122 and Mathematics 201. II 1963 "Limited enrollment"

412 Theoretical Mechanics 4

An intermediate study of the kinematics and dynamics of particles. Includes the motion of a particle in three dimensions, the motion of a system of particles, moving coordinate systems, the mechanics of continuous media and generalized coordinate systems. I a/y 1962-63

451 Electricity and Magnetism 4

The fundamental phenomena and laws of magnetism, electrostatics, steady currents, electrolysis, electromagnetism and alternating currents. Three lectures and one 3-hour laboratory period per week. Prerequisite: Physics 261, 262, and concurrent registration in Mathematics 311 or consent of instructor. I

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 451. II a/y 1962-63

487, 488 Seminar 2

Prerequisite: consent of department head.

497, 498 Independent Study 1-2

Prerequisite: consent of chairman of the department.

POLITICAL SCIENCE

Mr. Farmer, Mr. Ristuben

The study of political science trains the student in 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.

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 1962-63

282 Comparative Government 3

Comparison of contemporary governments as to political philosophy, constitutional basis and governmental structure and procedure. II a/y 1963-64

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 a/y 1963-64

316 Recent Political Thought 3

A critical examination of the major political philosophies of the modern world: Socialistic doctrines, communism, fascism, anarchy, democracy. Contemporary problems. II a/y 1963-64

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 1962-63
- 334 International Law 3**
The nature, historical development, and principles of international law. Prerequisite: Political Science 331. II a/y 1963-64
- 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 1962-63
- 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 1962-63
- 362 Public Finance 3**
See Economics 362.
- 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 1962-63
- 434 Government and Business 3**
See Economics 434.
- 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 1963-64
- 471 English Constitutional History 3**
See History 471.
- 474 American Constitutional History 3**
See History 474.
- 483 Democratic Political Systems 3**
A comparative analysis of governmental and political institutions of contemporary democracies other than the United States. I a/y 1963-64
- 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 1963-64
- 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. Solberg, Mr. Bolon, Mr. Eklund, Miss Runbeck, Mr. Winther,
assisted by Mr. Garlington, Mr. Hagen, Mr. Mainord*

The objectives of psychology are to provide a conceptual framework for understanding and communicating the principles of human behavior and to stimulate interest and concern for human problems. It is of value to the student seeking a broad liberal education and of special importance to those who plan to enter fields related to guidance and personnel work, social work, teaching, the ministry, parish work, medicine and nursing, and business administration.

A psychology major is essential for students who wish to prepare for later graduate or professional training in psychology. All majors, regardless of their specific vocational objective, must have the approval of the department in their selection of courses.

Major: 24 credit hours including Psychology 101, 201, 301, 321 and 490.

Psychology 101 is a prerequisite to all other 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

201 Applied Psychology 3

A study of the applications of the principles of psychology to practical personal problems, aptitudes and vocations, industrial relations, advertising and selling, mental health and therapy, delinquency, criminality, and law and court procedures. I

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

321 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

- 370 Principles of Guidance 2**
See Education 370.
- 390 Experimental Psychology 3**
II 1961-62
- 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. Prerequisites: 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
- 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
- 477 Field Work 2**
I II
- 478 Mental Health for Teachers 2**
See Education 478.
- 490 History of Psychology 3**
Historical background of modern theory and method. Special emphasis on the development of the various schools of psychology. Prerequisite: nine hours in psychology or consent of the instructor. II
- 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 Independent Study 1-2**
I II

500 Advanced General Psychology 3

An intensive survey of the field of psychology with particular emphasis on motivation, learning, perception, and recent development in the field of psychology.

553 Practicum in Individual Testing 2

Supervised practice in the administration and interpretation of individual tests with particular emphasis on the Wechsler and Stanford-Benet. 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. Lee, Mr. Vigness,
assisted by Mr. Karlstad*

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. In addition to the basic courses required during the first two years of the student in residence, upper division courses supply further information and insights.

A well-integrated program should be planned early with faculty members of the department.

Major: 24 hours.

101 Life of Christ 2

The study of the life of Christ, with the four Gospels as textbook, supplemented by interpretative lectures and discussions. I II

112 History of the Christian Church 2

The growth of the Christian Church traced through persecutions and controversies; the rise of the papacy; the Reformation under Luther. I II

201 The Bible—Old Testament 2

A study of the divine-human encounter portrayed in the Old Testament. I II

202 The Bible—New Testament 2

A study of the divine-human encounter portrayed in the New Testament. I II

222 Parish Work 2

A study of the place of the parish worker in the church, her problems, and particular phases of her work. Various field work opportunities are provided such as Sunday school visitation, hospital and shut-in visitation, survey work, preparing church bulletins. May be taken for upper division credit upon consent of instructor. II

225 Christian Education of Children 3

A study of the characteristics, problems, and needs of children and the developing of the educational program for the pre-school and elementary age group in the church. Emphasis upon aims, methods, materials. Practice in story-telling. May be taken for upper division credit upon consent of instructor. Offered on demand.

- 227 Christian Education of Youth 2**
The nature and needs of youth as applied to Christian education for the purpose of developing an adequate program. A study of the methods for promoting, leading, and teaching both in the Sunday school and Luther League. May be taken for upper division credit upon consent of instructor. Offered on demand.
- 301 Bible Truths 2**
A consideration of the leading Biblical teachings. I a/y 1963-64
- 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 1963-64
- 331 Comparative Religion 2**
The living religions of the world: Judaism, Islam, Buddhism, Taoism, Hinduism, Confucianism, compared with Christianity. I a/y 1962-63
- 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 1962-63
- 341 American Churches 2**
The beginnings and doctrines of the major denominations in America. I a/y 1962-63
- 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 a/y 1963-64
- 352 Philosophy of Religion 3**
See Philosophy 352.
- 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 1963-64
- 410 Studies in Isaiah 2**
A study of the role of Isaiah in Old Testament history, his theology and his relevance to the church today. II a/y 1962-63
- 421 History of Church Music 2**
See Music 421.
- 422 Applied Church Music 2**
See Music 422.
- 424 The Reformation 3**
See History 424.
- 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 1962-63
- 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 1963-64
- 497, 498 Individual Study 1-2**
Permission of the department is required.

SCIENCE (GENERAL)

Mr. Ostenson, Mr. P. Carlson

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 of the fundamental principles in chemistry, physics, astronomy, climatology, and geology. Lectures and laboratory work. 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. Knorr, Mr. Jansen, Mr. Schiller

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, 255, 412 and 431.

Supporting courses in related areas will be planned with the major advisor to fill the specific needs of each student.

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

- 101 Introduction to Sociology 3**
 An inquiry into the basic principles for understanding social relationships. This course is designed to acquaint the student with the fundamental laws governing human relations. Problems of social structure, social processes and social motivation will be considered. I II
- 202 Contemporary Social Problems 3**
 Problems of delinquency, suicide, crime, population, unemployment, public relief, poverty, public welfare, mental deficiency, and family disorganization will be among the chief problems under consideration. I II
- 255 Human Ecology 3**
 The factors and forces which determine the distribution of people and institutions in time and in space. 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 1963-64
- 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 2**
 A practical inquiry into the forces influencing modern courtship and marriage, with emphasis on human experience rather than statistical presentations. II
- 341 Race Relations 3**
 A study of interracial contacts and conflicts, with emphasis upon American racial problems. I a/y 1962-63
- 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 a/y 1963-64
- 359 Urban 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 1963-64
- 360 Human Migration 3**
 The consideration of major quantitative and qualitative problems of population and population movements in contemporary society. I a/y 1963-64

- 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 1962-63
- 407 Educational Sociology 2**
A systematic view of significant sociological data and principles applicable to educational policies and practices. S
- 412 History of Social Thought 4**
An evaluation of the forces causing social change, with some historical background for present day social thought and trends. II
- 431 The Family 3**
The changing home: the study of the family and familial customs; family interaction and organization; analysis and treatment of family disorganization and reorganization. I
- 435 Field of Social Work 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 Case Work Techniques and Practice 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. I a/y 1962-63
- 450 Contemporary Social Institutions 3**
The origins and developments of major American social institutions and related institutional patterns. S
- 497, 498 Independent Study 1-3**
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. Elbersson, 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 and English 233, and 15 hours from the following: Speech 338, 350, 352, 353, 356, English 333, 357, 358, 383, 384 and 442. Selection of courses with the approval of the major adviser, dependent on student's interest in technical or performing drama.

Candidates for the Bachelor of Arts in Education degree who are planning to concentrate in the field of speech should follow the course outline as listed under the School of Education in the section, Academic Organization.

Students with personal problems in speech therapy are urged to contact the department for individual assistance with their speech difficulties. A limited number can be serviced.

101 Fundamentals of 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 Forensics 1

One year competition in intercollegiate forensics during the freshman year. II

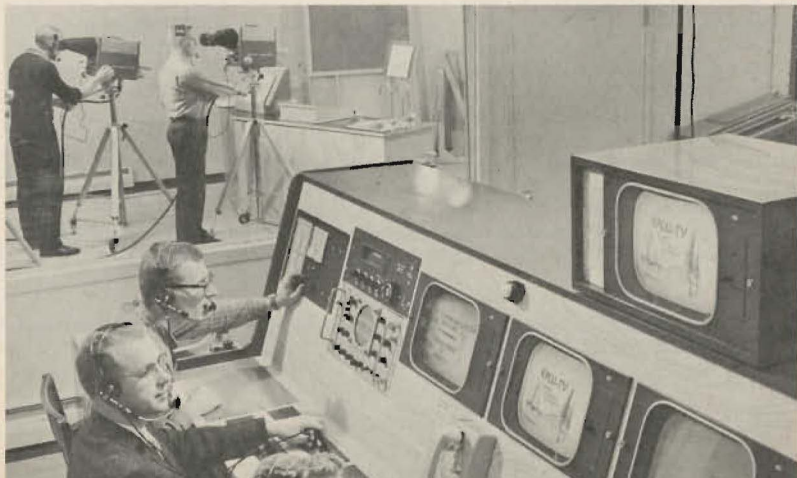
206 Parliamentary Law 2

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

220 Logic 3

See Philosophy 220.

Closed circuit television facilities on campus are used for instruction, campus communications and technical training in television.



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

282 Forensics 1

One year competition in intercollegiate forensics during the sophomore year. II

308 Extempore Speaking 3

Platform work predominates. Special emphasis given to the study of gathering material, methods of preparation, and delivery. Prerequisite: Speech 104. I a/y 1963-64

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 and Costume 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 1962-63

353 Stage Lighting and Makeup 3

Theory and practice of stage lighting and makeup. Open to speech majors or by permission of the department. II a/y 1963-64

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 1962-63

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 1962-63

382 Forensics 1

One year competition in intercollegiate forensics during the junior year. II

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

434 Voice Science 3

The physiological, anatomical, and physical basis of speech and hearing. Prerequisite: Speech 403. II a/y 1963-64

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 3

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 programming. This course is designed for the mature student interested in the commercial, educational, or religious use of television. It will feature extensive use of studio facilities and equipment and will require the production and direction of various types of television programs. S

482 Forensics 1

One year competition in intercollegiate forensics during the senior year. 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.

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*Deceased March 3, 1962

**Deceased March 2, 1962

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 Dr. S. C. Siefkes, Administrative Assistant, 523 Dexter Avenue, Seattle 9, Washington
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Dean of the School of Education	JOHN AMEND
Dean of the School of Fine and Applied Arts	VERNON A. UTZINGER
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Director of Foods	FLORENCE A. QUAST
Health Service	WILLIAM L. STRUNK
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Housemothers	OLGA MARQUARDT, CLARA NELSON, LOUISE MALMIN, MARIA E. MOE, HELEN NICHOLSON, AGNES SHAFLAND, MILDRED TWEDT
Housefathers	C. K. MALMIN, S. M. MOE

Student Congregation

Pastor	JOHN O. LARSGAARD
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*To retire July 31, 1962

**Deceased March 9, 1962

Faculty* — 1961-62

SETH CLARENCE EASTVOLD, 1943-

President

Graduate, Jewell Lutheran College, 1913; B. A., St. Olaf College, 1916; Cand. Theol., Luther Theological Seminary, 1920; B. D., S. T. M., Th. D., Augustana Theological Seminary, 1924, 1926, 1931; D. D., Luther College, 1958.

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.

JOHN AMEND, 1960-

Professor of Education, Dean of the School of Education

B. A., Central Washington College of Education, 1936; M. A., University of Washington, 1952; Ed. D., New York University, 1961.

CHARLES DEAN ANDERSON, 1959-

Associate Professor of Chemistry

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

GEORGE EVANS ARBAUGH, 1959-

Assistant Professor of Philosophy

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

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.

VICTOR ROYCE BOLON, 1961-

Assistant Professor of Psychology

B. A., M. Ed., Central Washington College of Education, 1956, 1958; Ed. D., Colorado State College, 1961.

ROBERT FRIEDRICH BRIESMEISTER, 1961-

Instructor in English

B. A., M. A., Colgate University, 1952, 1954; further graduate study, University of Utah.

JUNE SATHER BROECKEL, 1960-

Instructor in Education

B. A., Ed., Pacific Lutheran University, 1957; M. A., Pacific Lutheran University, 1961.

LEAH SONYA BYLES, 1961-

Instructor in Nursing

B. S. in N., Seattle Pacific College and University of Washington, 1953, 1956; M. N., University of Washington, 1961.

PAUL R. CARLSON, 1961-

Instructor in Geology and Physical Science

B. A., Gustavus Adolphus, 1955; M. S., Iowa State University, 1957.

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

- VERNON C. CARLSON, 1955-
Associate Professor of Education and English
B. A., Wittenberg College, 1928; Ph. D., Johns Hopkins University, 1947.
- JANET SUE CHRISTENSEN, 1961-
Instructor in Nursing
B. S. in N., Pacific Lutheran University, 1959.
- P. LOUIS KAI CHRISTENSEN, 1959-
Associate Professor of Music
B. A., M. A., Ph. D., University of Washington, 1954, 1956, 1961.
- 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.
- LESLIE OLIVER EKLUND, 1946-
Assistant Professor of Psychology, Director of Testing, Veterans' Affairs, Housing
B. S., M. A., University of Nebraska, 1942, 1944.
- STANLEY DENTON ELBERSON, 1953-57, 1960-
Instructor in Speech
B. A., B. Ed., Pacific Lutheran University, 1951, 1953; M. A., University of Utah, to be conferred, 1962.
- GEORGE ROBERT ELWELL, 1959-
Assistant Professor of Art
B. A., Youngstown University, 1949; M. A., New York University, 1955.
- DONALD RAYMOND FARMER, 1955-
Associate Professor of Political Science
B. S. Ed., Ph. D., University of Minnesota, 1944, 1954.
- LEE FORD, 1956-
Associate Professor of Biology
B. A., Wittenberg College, 1947; M. S., University of Minnesota, 1949; Ph. D., Iowa State College, 1952.
- R. BYARD FRITTS, 1949-
Associate Professor of Music
B. M., Wittenberg College, 1948; M. Mus., D. Mus., Eastman School of Music, University of Rochester, 1949, 1958.
- JAMES DANIEL GABRIELSEN, 1958-
Assistant Professor of Physical Education, Coach of Football and Baseball
B. A., Concordia College, 1952; M. A., New York University, 1955.
- 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.
- STEWART, D. GOVIC, 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.

ARNOLD JASPER HAGEN, 1955-

Assistant 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, Dean of the University

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

*CHARLES EDWIN HAYDON, 1958-

Assistant Professor of French

B. A., University of Texas, 1932; M. A., Baylor University, 1935; further graduate study, University of Paris, University of Grenoble.

MARTHA S. HILBERT, 1960-

Instructor in Business Administration

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

LAURENCE D. HUESTIS, 1961-

Assistant Professor of Chemistry

B. S., Ph. D., University of California, 1956, 1960.

HELEN CHRISTINE JACOBSEN, 1960-

Instructor in Nursing

B. S. N., M. N., Montana State College, 1957, 1960.

LUTHER T. JANSEN, 1961-

Assistant Professor of Sociology

B. A., M. A., University of Washington, 1941, 1943; B. D., Union Theological Seminary, 1946; further graduate study, Columbia University and University of Washington.

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.

SHIRLEY R. JOHNSON, 1961-

Instructor in Nursing

B. S. in N., University of Washington, 1958; M. N., University of Washington, 1962.

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.

*On leave, 1961-62.

GUNDAR JULIAN KING, 1960-

Assistant Professor of Business Administration

B. B. A., M. B. A., Stanford University, 1956, 1958; further graduate study, Stanford University.

JAMES ALVAH KIRK, 1961-

Instructor in Physics

B. S., M. S., University of Washington, 1958, 1959.

LARS EVERETT KITTLESON, 1956-

Assistant Professor of Art

B. S. Art Educ., Milwaukee State Teachers College, 1950; M. S. Applied Arts, University of Wisconsin, 1951; M. F. A. in Painting, University of Southern California, 1955.

*RAYMOND A. KLOPSCH, 1953-

Associate Professor of English

B. S., Illinois Institute of Technology, 1949; M. A., University of Illinois, 1950; further graduate study, University of Illinois.

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-

Assistant 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 JAMES KOPPITCH, 1961-

Assistant Professor of French

B. A., M. A. (English), M. A. (French), University of Michigan, 1945, 1947, 1949; further graduate study, University of Michigan.

JOHN GEORGE KUETHE, 1954-

Associate Professor of Philosophy

A. B., Capital University, 1940; B. D., Evangelical Lutheran Theological Seminary, 1943; S. T. M., Union Theological Seminary, 1947; further graduate study, Union Theological Seminary, Columbia University.

KNUTE WILLIAM DAVID LEE, 1961-

Assistant Professor of Religion

B. A., Luther College, 1937; C. T., Luther Theological Seminary, 1948; Ed. D., Columbia University, 1959.

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.

*On leave, 1961-62.

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.

THEODORE LUCIOW, 1961-

Instructor in Russian and German

B. A., University of Dubuque, 1936; M. A., University of Minnesota, 1947.

GENE CARROLL LUNDGAARD, 1958-

Instructor in Physical Education, Coach of Basketball

B. A., Ed., Pacific Lutheran University, 1951; graduate study, Pacific Lutheran University, University of Washington.

GUNNAR JOHANNES MALMIN, 1937-

Professor of Latin and Norwegian, Director of the Choir

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.

JEANINE ANN MORAVEC, 1960-

Instructor in English

B. S., Northern State Teachers College, 1952; B. S. L. S., University of Minnesota, 1953; M. A., University of Iowa, 1957.

*ELINE KRAABEL MORKEN, 1953-

Assistant Professor of Nursing, Acting Director of the School of Nursing

B. A., St. Olaf College, 1928; R. N., Emanuel Hospital School of Nursing, 1931; graduate study, University of Chicago, Gonzaga University, University of Washington, Eau Claire State Teachers College.

HENRY H. MUYSKENS, 1961-

Assistant Professor of Mathematics

B. S., University of Washington, 1922; M. S., Sc. D., University of Michigan, 1925, 1933.

MILTON LUTHER NESVIG, 1947-51, 1953-

Assistant Professor of English

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

EDWIN ROBERT NEWELL, 1960-

Instructor in Mathematics

B. A., Western Washington College of Education, 1956; graduate study, University of Washington.

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, Royal Academy of Music, London, 1929; Associate, Royal Academy of Music, London, 1934; graduate study, McGill University.

ANNA MARN NIELSEN, 1939-

Professor of Education, Director of Teacher Education

B. A., Iowa State Teachers College, 1929; M. A., Columbia University, 1935; further graduate study, University of Washington.

*On leave, 1961-62.

MAGNUS NODTVEDT, 1947-

Professor of History

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.

ERIC NORDHOLM, 1955-

Assistant Professor of Speech

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

ROBERT BRUCE OLAFSON, 1959-

Instructor in English

B. A., Pacific Lutheran University, 1956; M. A., University of Washington, 1959.

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.

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

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.

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-

Assistant Professor of English

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

DONALD L. REYNOLDS, JR., 1961-

Instructor in English

B. A., Washington State University, 1951; M. A., University of Washington, 1959.

PETER JOHN RISTUBEN, 1960-

Assistant Professor of History and Political Science

B. A., Concordia College, 1955; M. A., University of South Dakota, 1957; further graduate study, University of Oklahoma.

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.

JUNET E. RUNBECK, 1953-

Assistant Professor of Education

Graduate, Pacific Lutheran University, Normal Department, 1935; B. A., University of Puget Sound, 1951; M. A., Stanford University, 1957; Ph. D., Colorado State College, 1961.

H. MARK SALZMAN, 1951-

Assistant Professor of Physical Education, Athletic Director, Coach of Track

B. A., Carthage College, 1947; M. A., University of Iowa, 1951.

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

B. A., St. Olaf College, 1939; M. A., Gonzaga University, 1947; Ph. D., Washington State University, 1950.

FREDERICK E. SCHWARZ, 1961-

Assistant Professor of Chemistry

A. B., St. Olaf College, 1958; graduate study, State University of Iowa.

THEODORE CAROL SJODING, 1951-

Professor of Education, Dean of the Graduate School

B. A., University of Saskatchewan, 1933; M. A., Ph. D., University of Minnesota, 1944, 1951.

KRISTEN B. SOLBERG, 1953-

Professor of Psychology, Dean of Students

B. A., Augustana College, 1942; Ed. M., University of South Dakota, 1950; Ed. D., University of Wyoming, 1953.

CARL D. SPANGLER, 1961-

Instructor in Spanish and French

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

PAUL JOE STEEN, 1960-

Assistant Professor of Speech

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

LYNN S. STEIN, 1961-

Assistant Professor of Education

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

MARGARET PAULINE STENSON, 1960-

Instructor in Education

B. A., Western Michigan University, 1938; M. Ed., University of Washington, 1960.

WILLIAM LEONARD STRUNK, 1948-

Professor of Biology

B. A., M. S., University of Minnesota, 1923, 1925; D. Sc., University of Michigan, 1931.

PHYLLIS PEDERSEN TEMPLIN, 1959-

Instructor in Physical Education

B. A. Ed., Pacific Lutheran University, 1959.

DOROTHY MILDRED TOLLEFSON, 1961-

Instructor in Nursing

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

VERNON ALFRED UTZINGER, 1950-53, 1957-

Professor of Speech, Dean 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.

DORIS LENA WAGNER, 1960-

Assistant Professor of Nursing

R. N., Emanuel Hospital School of Nursing, 1947; B. S. Educ., University of Oregon, 1951; M. S., Simmons College, 1955.

ROBERT B. WEBER, 1961-

Instructor in German

B. A., Wagner College, 1954; M. A., New York University, 1956; further graduate study, Bonn University, Frankfurt University, Wurzburg University.

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.

SVEN FREDRICK WINTHER, 1960-

Instructor in Psychology

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

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, Acting Dean 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

ROGER S. BAILEY

B. A., Allegheny College; M. A., University of Iowa; further graduate study, San Diego State College. Assistant in Art.

CATHERINE ELLIOTT

University of Washington; Central Washington College of Education. Assistant in Music.

SYDNEY ENGESET

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

WARREN K. GARLINGTON

B. A., Montana State University; Ph. D., Indiana University. Associate in Psychology.

FAY H. GREIFFENBERG

B. S., M. A., University of Wisconsin; further graduate study, University of Washington. Assistant in Education.

JAMES M. HAGEN

B. A., St. Olaf College; M. A., Ph. D., Washington State University. Lecturer in Psychology.

LEONARD WILLIAM HOLDEN

B. S., M. A., University of Minnesota; Ed. D., Stanford University. Associate in Psychology.

JO ANN D. HUNDTOFTE

B. A., Pacific Lutheran University; M. A., University of Washington. Assistant in English.

DORIS HUBNER

B. A., M. A., University of Puget Sound. Assistant in Education.

HELEN HUUS

B. A., Iowa State Teachers College; M. A., Ph. D., University of Chicago. Lecturer in Education.

ALFRED M. KARLSTAD

B. A., St. Olaf College; M. A., San Francisco State College; C. Th., Luther Theological Seminary; further graduate study, University of California. Assistant in Religion.

MARGARET A. KEHLBEK

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

CALVIN H. KNAPP

B. S., M. S., Juilliard School of Music. Assistant in Music.

DARLINE M. LAMKA

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

GLADYS LEES

B. A., M. A., University of Puget Sound; B. S. L. S., University of Denver. Assistant in Education.

WILLARD A. MAINORD

B. S., M. S., Washington State University; Ph. D., University of Washington. Lecturer in Psychology.

MELVIN S. MONSON

B. S., Illinois State Normal University; M. A., Northwestern University; Ed. D., Colorado State College of Education. Lecturer in Education.

SHIRLEY NELSON

B. A., University of Washington; M. A., Wesley College; further graduate study, University of Washington. Assistant in Education.

HARRY N. PEARSON

B. S., Mississippi State University; M. B. A., University of Puget Sound; further graduate study, American University. Assistant in Business Administration.

RONALD L. PETERS

B. S., LL. B., University of Washington. Assistant in Business Administration.

ERNEST RANDOLPH

B. A., Pacific Lutheran University; M. D., University of Washington. Assistant in Nursing.

DORA J. REESE

B. S., State Teachers College; M. A., University of Minnesota. Assistant in Education.

DALE MURRAY ROGNLIE

B. A., Concordia College; M. S., University of North Dakota. Assistant in Mathematics.

DAVID ROSTKOSKI

B. M., Oberlin Conservatory; M. M., Northwestern University. Assistant in Music.

LOUIS J. SOUZA

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

EDWARD E. SPRINGER

B. S., M. A., Washington State University. Assistant in Education.

RICHARD WILKINS

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

CHARLES C. WORSTELL

B. S. in Agr. Eng., University of Missouri; M. S. in M. E., University of Washington; P. E. Assistant in General Engineering.

Library

FRANK HAMILTON HALEY, 1951-

Librarian

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

FRANK LESTER GREEN, 1960-

Reference Librarian

A. B., Seattle Pacific College, 1953; B. D., Harvard University, 1958; M. L. S., University of Washington, 1959.

ALMA MOLDER, 1961-

Reference Librarian

Teaching Certificate, Luther College, Regina, 1932; B. S., T. C. Columbia University, 1960; M. L. S., University of Washington, 1961.

Faculty Emeriti

LORA BRADFORD KREIDLER,* 1921-43

Carleton College, 1890-91; University of Minnesota, 1891-92; Minneapolis School of Art, 1895-98; University of Washington, summers 1929, 1930.

ANDERS WILLIAM RAMSTAD, 1925-61

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, 1933-52

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

JOSEF EMIL RUNNING, 1948-61

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

JOHN ULRIK XAVIER, 1902-07, 1920-42

A. B., Luther College, 1893; Cand. Theol., Luther Theological Seminary, 1898; M. A., University of Washington, 1929; D. D., Pacific Lutheran University, 1953.

Faculty Committees

The first named member of each committee is chairman. The President is an ex-officio member of all committees. The Dean of the University is an ex-officio member of all academic committees.

Administrative Committees

COMMITTEE ON COMMITTEES: Vigness, Blomquist, Leraas

ARTIST SERIES: Elwell, Fritts, L. Johnson; ex-officio: Christensen, Utzinger

ATHLETIC: Newham, Olsen, Stein; ex-officio: Karl, Salzman

HEALTH: Strunk, Gabrielsen, Wagner, Gilbertson; ex-officio: Quast

RELIGIOUS ACTIVITIES: Roe, Knorr, Schiller, Christopherson, Govig, Kuethe, Jansen, Lee; ex-officio: Larsgaard

SOCIAL: Payne, Stenson, Olafson, Winther; ex-officio: Quast

STANDARDS: Little, Roe, Karl; ex-officio: Solberg, Eklund, Wickstrom

STUDENT ACTIVITIES: Templin, Elberson, Nordholm; ex-officio: Wickstrom, Solberg

STUDENT PUBLICATIONS: C. Peterson, Kittleson, Knudson; ex-officio: Nesvig

Academic Committees

ADMISSION AND STUDENT ACADEMIC STATUS: Eklund, Young, Farmer, Schnackenberg, Runbeck; ex-officio: Wickstrom, Olson, Solberg

CATALOG: Reigstad, Pierson, Moravec; ex-officio: Nesvig

CURRICULUM AND EDUCATIONAL POLICIES: Zulauf, Amend, Knorr, Christopherson, Sjoding, Akre, Anderson, Jacobson

PROMOTE INTEREST IN GRADUATE STUDIES: Utzinger, Kuethe, V. Carlson, Nodtveit, Ranson

LIBRARY: Nielsen, Schiller, Ford, Arbaugh, Lee, Roskos; ex-officio: Haley, Hagen

Alumni Association 1961-62

President	Lowell E. Knutson
Vice President	Karl Olsen
Secretary	I'Lee Rod Tiedeman
Executive Secretary	Emma H. Ramstad

*Deceased February 24, 1962

STATISTICAL SUMMARY

ENROLLMENT 1961-62

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Graduates	141	126	267
Seniors	162	188	350
Juniors	167	172	339
Sophomores	204	203	407
Freshmen	263	302	565
Specials			
Music lessons only		10	10
Auditors	1	10	11
Other Specials	34	6	40
Extension	7	17	24
Total Regular School Year	980	1,034	2,014
Summer Session Enrollment, 1961	252	437	689
Total	1,232	1,471	2,703
Students Counted Twice	114	180	294
NET TOTAL	1,118	1,291	2,409

GEOGRAPHICAL DISTRIBUTION 1961-62

Washington	1,863	Michigan	1
California	196	New York	1
Oregon	167	North Carolina	1
Montana	71	Oklahoma	1
Idaho	30	Texas	1
North Dakota	16	Virginia	1
Alaska	11	Wyoming	1
Minnesota	6		
Illinois	4	Hong Kong	4
Colorado	3	Norway	3
Iowa	3	Canada	2
South Dakota	3	India	2
Wisconsin	3	Sweden	2
Hawaii	2	Indonesia	1
Nevada	2	Jamaica	1
Utah	2	Japan	1
Indiana	1	Peru	1
Kansas	1	Tanganyika	1
Massachusetts	1	Thailand	1
		TOTAL	2,409

RELIGIOUS AFFILIATIONS 1961-62*Lutheran*

The ALC	1,046	AELC	6
Augustana	160	Finnish (Suomi)	5
Missouri	102	Wisconsin	5
ULC	49	Norway	2
Free	26	Unclassified	79
		Total Lutheran	1,480

Other Denominations

Presbyterian	169	Latter Day Saints	13
Methodist	166	Seventh Day Adventist	11
Baptist	89	Christian Science	7
Catholic	71	Jewish	6
Episcopalian	65	Quaker	3
Independent Churches	62	Unitarian	2
Christian	36	Evangelical	1
Congregational	21	Hindu	1
Covenant	18	Unclassified	173
Pentecostal	15		
		Total Non-Lutheran	929
		GRAND TOTAL	2,409

GRADUATES 1961

BACHELOR OF ARTS

Paul Gerhard Aasen
 Arnold Roger Anderson
 Douglas Andrew Anderson
 Harlan Luther Anderson
 Virgil Martin Anderson
 Jerome Wallace Bakke
 Roger Allen Bakken
 Daniel Enfrid Benson
 David Lyle Berg
 Kenneth Richard Black
 David Martin Bluhm
 Leslie Ross Bowers
 Jane Ann Brevik
 Alan Dwight Brooks
 Barbara Ann Bruns
 John Allen Buckner
 Jack D. Cassidy
 Marvin L. Christensen
 Russell John Christensen
 Yvonne Woerner Coop
 Barbara Ellen Corvey
 Thomas LeRoy Crosier
 David Louis Crowner
 Earl Thomas Curtis
 Norman Olav Dahl
 Darryl David Dettmann
 Mary Philena Dunlap
 John Andrew Edlund
 Juris Eglitis
 Arthur Erling Ellickson
 Richard Alfred Elmer
 George Leonard Emly
 Deloris Annette Engen
 Kenneth Jerrold Ericksen
 Gerald Wayne Erickson
 Paul Waldemar Eriks
 Matthew Loy Ernst
 George Davis Fisher
 Gerald Allen Fosen
 Donald Gene Fossum
 Kenneth John Gaal
 Oystein Gaasholt
 David Reinhold Gaenicke
 Per Raymond Z. Gallie
 Irene Schoel Goodale
 Robert Lee Goodfellow Jr.
 Gordon George Gradwhol
 David Arlen Haaland
 Shirley Ann Hagen
 Daniel Otto Hassenpflug
 Morris John Hauge
 Altrina Ruth Henning
 Loren Harold Hildebrand
 Wayne Lyle Hill
 Dewey Arthur Hollingsworth
 Gary Dexter Huskinson
 Robert Erling Jacobson
 John Roger Johnson
 Robert William Johnson
 Theodore Emanuel Johnstone
 Sharon LaVonne Julian
 Ruth Alice Kane
 Joen Kesselring
 Gary Stuart Kieland
 Dong Kook Kim
 Lenny Ellis Kirkeby
 Harold Odell Kittleson
 Karen Jean Knudsen
 Kathryn Carolyn Knutson
 Marvin Chris Knutzen
 Jerry Ralph Kress
 James E. Kuball
 Charles Clyde Larson
 Manford Terrell Larson
 Gail Marie Latimer
 Francis Chung Ling Leigh
 Ronald Edwin Lerch
 Myrtle Joyce Lyons
 William David Miller
 Gloria Joyce Mitchell
 Russell Henry Mueller
 Robert Alan Nettelblad
 Bruce Arnold Nunes
 James Eugene Nyborg
 Harlan Fredrick Olsen
 Kenneth Victor Olson
 Sandra Marie Olson
 William Henry Ostenson
 Eric Kjaer Ottum
 Lawrence Lynn Peterson
 Philip Stephen Ramstad
 Roger Frederick Reep
 Gerald Lee Ritter
 Kenneth David Savage
 Diane Danette Saxton
 Martin John Schaefer
 Richard Carl Schlenker
 Sarah Pauline Sharpe
 Jo Ann Katherine Skold
 Alan Wayne Slind
 Joe Everett Smith
 Ronald O. Soine
 Edward Harry Sonstegard
 Lowell Stanley Stordahl
 Clarie Evelyn Syverson
 Cecilia Elizabeth Tague
 Masako Takahata
 Robert Miles Tomberg
 Darryl Ronald Troedson
 Frank Arnold Waterworth
 Barbara Jean Weber
 Warren Parks Willis

BACHELOR OF ARTS IN EDUCATION

- Shirley Jean Allen
 Alice Alene Armstrong
 Jerald Alvin Baughman
 Ruth Margaret Berhow
 Audrey D. Betts
 Karen Jean Bird
 Louis Charles Blaesi Jr.
 Georgina Diana Jones Brewington
 Stanley M. Charlston
 Janet Rae Christel
 Calvin Ray Christensen
 Orson Lester Christensen
 Sonja Christensen
 Dean Earle Christian
 Ronald Carl Coltom
 Jo Ann Louise Corey
 Elizabeth Lucile Curtis
 Jean Elin Danielson
 John Junior Detwiler
 Linda Marie Envall
 Carolyn Mildred Ericksen
 Diane Marie Ericksen
 Virginia Everett
 Dennis Otto Fatland
 Eleanor E. Ferguson
 Annette Dorthca Foegel
 Ruth Opstad Frederickson
 Stanley Allen Fredrickson
 Peter Eric Gahlhoff
 Ellen Keefe Galbraith
 Samuel John Gange
 Grace Fristoe Garrard
 Bertha H. Gibbs
 Belle Talmadge Gleason
 Linda Jane Gilmer
 John Dallas Gosnell
 Nancy Ruth Gradwohl
 Alice Lorraine Hale
 Charles Henry Harkins
 Grace Lorraine Harthill
 Helen Ann Hedberg
 Judith Ann Heitman
 Martha Elizabeth Herbert
 Nina Sue Hill
 G. Elizabeth Hilton
 Robert Lee Hodge
 Anna Elina Isracison
 Larry Lee Iverson
 Sonja Lee Jacobsen
 Donald Russell Jampsa
 Melvin Hans Jangard
 John Byron Jensen
 Douglas Leland Johnson
 Lars Eric Johnson
 Nellie C. Keithahn
 Donald John Keppler
 Edward M. Keys
 Marie Annell Korsmo
 Gertrude Marie Krause
 Margery Karine Krueger
 Eugenia Spencer Kvinsland
 Margaret Irene Kvinsland
 Darline M. Lamka
 Violet Mac Hope Landon
 Sylvi Anne Langland
 Oliver Alvin Larsen
 Sigfried Clasen Larson
 Lois Snyder Lawler
 Lorraine Buck Loete
 Joyce Lea Luiten
 Carmen Dolores Lundgren
 Maureen Joyce McAllister
 Sharon Jennie Mackay
 Erling Claire Mellum
 Marilyn Ann Moore
 Minnie Louise Nelson
 Lorelie Ihlenfeldt Olson
 Loyd Wesley Orne
 Barbara Jean Overmore
 Blayne Darwin Perleth
 Marie Goff Peters
 Marianne Elizabeth Potter
 Erik Joahn Redal
 Hazel A. Reetz
 Georgiann Kay Rembold
 Yolonda Jean Rettkowski
 James Paul Rivera
 Diane Adele Rosdahl
 Barbara Ann Trumpp Rundquist
 Judith Ann Sannerud
 Elsie Helen Sauter
 Sandra Jean Schneidewind
 Lorance O. Schoenberg
 Barbara Ann Schwisow
 Cecil Wesley Scott
 Carl Merrill Searcy Jr.
 Rosemary Spitzer Semrau
 Patricia Jean Sherman
 Sylvia Jean Shuley
 Sandra Dian Simons
 Linda Marguerite Sommers
 Richard Fielding Spinney
 Mary Lee Skrivanich Squires
 Wilma E. Stephens
 Henrietta Margaret Stolte
 Judith Ann Struthers
 Gwendolyn Ann Thomas
 Alberta Louise Thomsen
 Joan Mae Tousley
 Carol Ruth Triplett
 Joanne Elise Vanlievop
 Oswald Albert Varness Jr.
 Joe Pat Viles
 Olga S. Wagner
 Leland Grant Weaver
 Theron Harold Wheeler
 Clifton C. Williams
 Helen Margaret Wolf
 Judith Margaret Zieske

BACHELOR OF SCIENCE IN NURSING

Susan Grace Baldwin
Marilyn Elease Beise
Susan Karel Berg
Marilyn Joy Nickelsen Carder
Byrde Eileen Eckrem
Patricia A. Thorikildson Gemaehlich
Ruth Lee Goldenman
Margrethe Ane Gregersen

Bonita Louine Hanson
Judith Eleanor Hildebrand
Bonitta Joyce Johnson
Joy Susann Lewis
Nelda Caroline Reede
Dyann Adair Schierholtz
Margaret Louise Thiessen
Julie Ann Wallace

BACHELOR OF BUSINESS ADMINISTRATION

Oliver John Berven Jr.
Leif Oliver Dahl
Larry Owen Bumgardner
Patricia Anne Isensee

Anita Gail Reimann
Chong Jin Kim
Glenn Oistein Werner

BACHELOR OF SCIENCE

Jens Martin Anderson
Joan Marie Kramer
Roger Lauren Lundblad
Phyllis Marie Nybakke
Gene David Schaumberg

Daniel John Shafland
Karen Corinne Shaner
Karl Philip Reitz
Bruce Alan Vik
Ronald Edward Walsh Jr.

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

Janet Marie Fryhling

MASTER OF ARTS

Ralph Edward Baird
June Sather Broecker
Carroll Kastle

Bernard Francis Smith
Roland Eugene Tobiason
Calvin Meredith Watness

HONORARY DEGREES

Doctor of Divinity

C. Russell Johnson
Harold Berg Kildahl, Jr.
Harold H. Martinson
Eugene Valentine Stime

Doctor of Laws

Edwin William Bracher
Robert Adolph Luther Mortvedt

Doctor of Science

Guilford Leroy Hollingsworth

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