

GRADUATE  
CATALOG  
1975/76

PACIFIC LUTHERAN  
UNIVERSITY

## PACIFIC LUTHERAN UNIVERSITY

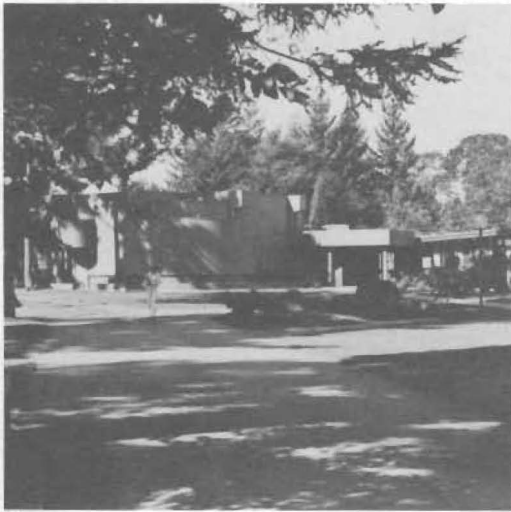
Tacoma, Washington 98447

The data contained herein reflect an accurate picture of Pacific Lutheran University at the time of publication. However, the University reserves the right to make necessary changes in procedures, policies, calendar, curriculum and costs. Changes, if any, will be announced prior to their effective date.

April, 1975

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## HISTORY

Pacific Lutheran University was founded in 1890 by leaders of the Lutheran Church in the Northwest, and by Rev. Bjug Harstad in particular. Their purpose was to establish an institution in which their people could be educated. Education was a venerated component of the Scandinavian and German traditions from which these pioneers came.

The institution opened as an academy and became a junior college in 1921. Ten years later, it was organized into a three-year normal school which became a college of education in 1939. In 1941, still a small and struggling institution, it assumed the necessary role of a college of liberal arts. It was known as Pacific Lutheran College until 1960 when, because of organizational restructuring, it became Pacific Lutheran University.

This brief sketch is recounted because it represents a thoughtful and progressive evolution. A great university is simply not brought into existence overnight. The University began the century as an academy with an enrollment of 30 students. Today our 3,500 enrolled students may select programs from the College of Arts and Sciences, from Schools of Business Administration, Education, Fine Arts, Physical Education, and Nursing, or from the Division of Graduate Studies. As the child is father of the man, so the ideals and perseverance of those who precede us weave an historical fabric of which we can be justifiably proud.

The fact that a university has worthy historical roots does not, of course, insure academic excellence. A reputation of excellence is not a function of longevity, but rather one which must be renewed each year through ongoing preparation and discipline. This is perhaps the greatest legacy these pioneers left us in their example of the faith and hope of education and the University.

### Perspective/Academic Openness

If it is true, as H.G. Wells wrote, that "human history becomes more and more a race between education and catastrophe," it then follows that the content of education is of critical importance. For this reason, curriculum review and attendant commitment to academic excellence is fundamental to Pacific Lutheran's educational philosophy.

Academic matters are characterized by practical innovation and openness. Because the world is a stream of constantly accelerating events, today's student must be educated in the dynamics of change. The University encourages students to cope with reality, to concentrate their energies on exploring possibilities for survival, for themselves and for mankind.

In 1969, following a University-wide review of instructional objectives and practices, the University adopted a new calendar. Commonly called the 4-1-4, the current calendar comprises two fourteen-week semesters separated by a four-week interim. Typically, a graduate student enrolls in three courses each semester and in only one course during the interim. Part-time graduate students typically enroll in one course each semester.

The interim month deserves particular attention because of its inherent openness and intensity. The interim calendar is aimed at achieving freedom for the individual. Students are able to concentrate on one course and thus achieve greater depth and competence. Interim offers students and faculty the opportunity to make a clean break with academic ritual. Students are free to develop and explore personal interests, and faculty teach in areas and ways not available during the regular semester. The options are various: innovative seminars, foreign studies in Central America, Europe, and Asia, interdepartmental offerings, area off-campus studies, and exchange programs with other interim institutions.

With freedom, however, comes responsibility. The faculty has committed itself to imaginative concepts and has accepted the challenge to keep courses responsive and open-ended. Consequently, interim offerings are experimental and students are expected to invest more in the courses than is simply required.

*"Wonders are many, but none—  
None is more wond'rous  
Than man!"*

*Aeschylus*

A liberal arts curriculum, by definition, is dependent upon the integration of a variety of viable, legitimate perspectives. If a curriculum is open to creativity, solid in substance, diverse yet disciplined, then the faculty must be equal to the challenge.

The Pacific Lutheran faculty is balanced. Its composition includes energetic graduates and seasoned veterans, men and women of various academic interests and equally diverse philosophical persuasions, representing ethnic and cultural backgrounds from Europe to the Orient. In concert, the faculty represents an infinite potential for learning relationships.

The academic pedigrees of our faculty are listed in the University Catalog for your information. For the uninitiated, the data reveal only that our 174 full-time and 62 part-time teachers possess credentials from universities around the world. No mention is made of their publications, professional articles, scholarly research, concert performances or art exhibitions. The listing does not explain why graduates of Princeton, Columbia, Michigan, Chicago, Stanford, Cambridge, Harvard and so on, would dedicate themselves to a small, Northwestern liberal arts university. But they do.

An institution's total environment provides considerable rationale for the quality of teachers it attracts. You may be interested in a few of those environmental factors: opportunities for an interdisciplinary approach to higher education; the respect that exists between schools and departments; the creative potential of the course system and interim calendar; a library with better than adequate holdings; the encouragement and recognition accorded professional, scholarly studies; the excellent facilities; the latitude given those who initiate innovative programs; and the evident Christian commitment to educating students for service.

Finally, each teacher derives satisfaction from knowing students on a first-name basis. Pacific Lutheran University is not a megaversity. A professor at PLU shares in the resolution of student problems on a one-to-one basis.

### Profile/The Academic Program

Each graduate degree candidate is expected to complete a minimum of 32 semester hours with an overall grade point of 3.00. Each candidate must similarly announce and complete a major, detailed requirements for which are separately specified in the section of this catalog entitled *Master's Degree Programs*. Programs which require more than 32 semester hours of credit are clearly specified in this section also.

Requirements for degrees are specifically stated in this Bulletin. Prospective students should become familiar with these requirements and prepare to meet them. In the final analysis, of course, each student's success is the product of his own initiative.

The University's academic structure is comprised of these major instructional units: the College of Arts and Sciences, with Divisions of Humanities, Natural Sciences and Social Sciences; School of Business Administration; School of Education; School of Fine Arts; School of Nursing; School of Physical Education; and Division of Graduate Studies. The academic structure, including departmental breakdown, is as shown:

## COLLEGE OF ARTS AND SCIENCES

### Division of Humanities

English  
Foreign Languages  
Philosophy  
Religion

### Division of Natural Sciences

Biology  
Chemistry  
Earth Sciences  
Mathematics  
Physics

### Division of Social Sciences

Economics  
History  
Political Science  
Psychology  
Sociology, Anthropology  
and Social Welfare

## SCHOOL OF BUSINESS ADMINISTRATION

## SCHOOL OF EDUCATION

## SCHOOL OF FINE ARTS

Art  
Communication Arts  
Music

## SCHOOL OF NURSING

## SCHOOL OF PHYSICAL EDUCATION

## DIVISION OF GRADUATE STUDIES

## SUMMER SCHOOL

Pacific Lutheran University schedules two summer terms, each of four and one-half weeks' duration. A full offering of courses is available including both evening and day courses. The summer school is typically a time when experimental courses are readily available. Although enrollment is somewhat less than during the academic year, it is still sufficient to provide a wide variety of students, resident faculty, and visiting faculty. Graduate students may enroll for a maximum of 6 semester hours per term.

## ACCREDITATION/INSTITUTIONAL MEMBERSHIP

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, school administration and counseling and guidance with the master's degree as the highest degree approved. The School of Nursing is accredited by the National League for Nursing, and the School of Business Administration is accredited at the undergraduate level by the American Assembly of Collegiate Schools of Business. The University is approved by the American Association of University Women and by the American Chemical Society.

The University is a member of the Association of American Colleges, the American Council on Education, the National Lutheran Educational Conference, the Northwest Association of Private Colleges and Universities, the Independent Colleges of Washington, the Western Association of Graduate Schools, the National Association of Summer Schools, and Washington Friends of Higher Education.

## STUDENT BODY

Approximately 5,000 students will be served by the University during the current school year and summer session. Full-time enrollment each semester is about 2,500. Graduate enrollment usually consists of 600 to 700 part-time and 50 to 60 full-time graduate students. While the majority of the students come from the state of Washington, over 40 states and several foreign countries are represented. Regarding religious affiliation, approximately 50% of the student body is of the Lutheran faith. The other half represents nearly every other recognized religious philosophy.

## Environs

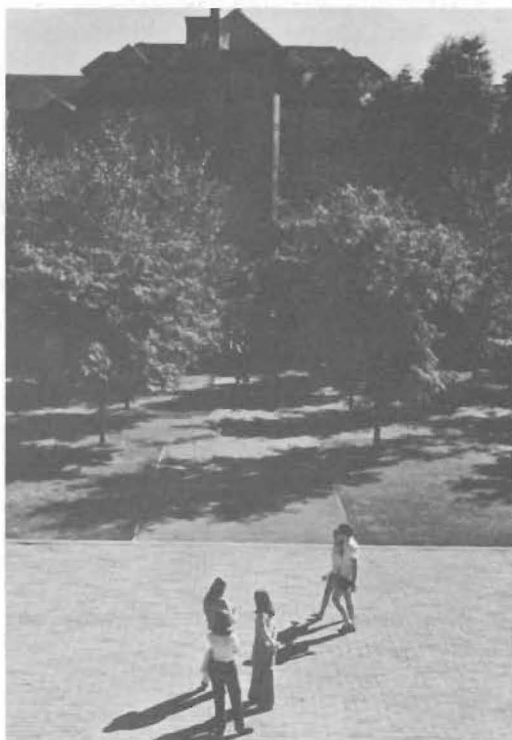
Until recently, education was thought to occur within the confines of a physical campus. With the advent of accessible transportation, PLU's campus spontaneously acquired an off-campus dimension, an occurrence coinciding with student expectations for an education which related to the community, the environment and the world. Pacific Lutheran and its immediate environs provide a fascinating potential for "campus" expansion, the benefits of which are reaped by individuals.

PLU is located in Parkland, a suburb of Tacoma, Washington, in the heart of the Pacific Northwest. The campus is minutes away from Puget Sound, and there are scores of lakes, rivers and streams within driving distance. The most conspicuous natural monument in the area is "the mountain." On a clear day, Mt. Rainier's inspiration is self-evident. The Cascades on the east, the rugged Olympics on the west and cool stands of Douglas Fir complete one of the most naturally tranquil environments in the United States. The beaches of the Pacific Ocean are less than two hours away.

Contrasting with this quietude, metropolitan Tacoma and nearby Seattle provide the glamorous learning laboratories native to contemporary urban America. Despite its relative youth, Puget Sound has not entirely escaped the congestion, decay, and social tensions characteristic of our cities. At Pacific Lutheran, urban problem-solving is a cornerstone of our off-campus dimension. CHOICE (PLU's Center for Human Organization in Changing Environment), student coalitions, religious organizations and formal classes find satisfaction in confronting urban blight with expertise, patience and considerable enthusiasm.

Finally a quality environment demands a cultural dimension. Again, PLU finds itself in an advantageous position. Puget Sound is heavy with "think" industries and educational institutions which generate considerable interest and diversity in fine and popular arts. A typical weekend in Tacoma/Seattle routinely includes opera or ballet at the Seattle Center; a wide variety of professional and amateur theatre; resident and visiting symphony orchestras; dozens of galleries and museums; a selection of elegant and unique restaurants, and the full complement of American and foreign films.

Closer to home, campus entertainment is plentiful and inexpensive. Standard fare includes visiting poets, lecturers, performing artists and companies, and an aggressive University Gallery program. In recent years the University Artist Series has attracted performers of national reputation, including the Winnipeg Royal Ballet, Denver Symphony, the National Shakespeare Company, Claude St-Denis, Carlos Montoya, the Joffrey Ballet, and the Canadian Opera.



## STUDENT LIFE

PLU is a residential campus. The campus philosophy views the spacious lawns and plazas, residence halls, recreation areas and the new University Center not as individual islands, but as components of an integrated living-learning environment. Education is for the total person; non-academic experience is as invaluable as it is necessary.

The social development of each student, his interaction with persons of differing lifestyles, his application of classroom knowledge to his unique living situation and the environment in which this type of learning takes place are elements in the PLU liberal education. In a time when there is considerable clamor for meaningful community, the residential campus facilitates genuine relationships among members of the University, regardless of religious, racial or cultural background.

As a residential campus, the University recognizes its obligation to provide services and facilities which complement the academic environment. As students have assumed increased responsibility for their personal and social behavior, the Student Life Office has turned increasingly to establishing continuity between student generations and providing services which reflect changing student needs.

The Vice President and Dean for Student Life and his staff are responsible for organizing and programming residence halls, orientating new students, assisting foreign students, acting as a liaison to the Associated Students of PLU (student government) and coordinating other student activities. Of particular note is the Minority Affairs Coordinator, whose specific responsibilities include assessing and communicating the academic, social and related needs of PLU's growing minority contingents. The Student Life staff, from the vice president to the assistant head residents, is geared to providing individual attention to all student problems which are not specifically curricular in nature.

### Activities

The PLU *Student Handbook* enumerates over 50 academic and non-academic organizations, clubs, societies and interest groups, which testify to the diversity of campus extra-curricular life. Social action, religious and political organizations; interest and sporting clubs; and service, professional and academic societies are among the options from which to choose.

Aesthetic appreciation is available both to participant and audience by way of music and the visual and performing arts. The Choir of the West, Concert Band, the University Symphony Orchestra, a renowned collegiate stage, two art galleries, faculty and student recitals and the Artist Series provide generous opportunities for the performing students. Personal expression is emphasized in debate, student government, campus radio KPLU-FM and the weekly student newspaper.

Organized and individual physical activities are available for everyone. Recreational and competitive programs include football, cross country, basketball, swimming, hiking, climbing, volleyball, tennis, golf, wrestling, paddleball, bowling, squash, handball, ping pong, baseball, softball, badminton, field hockey, track and field, water polo, skiing, and rowing. Athletics emphasizes development of the individual rather than the search for athletic glory, yet the University's many varsity championships are indicative of an above-average ability on the part of the student body.

### Religious Life

Each student pursues his religious development in his own way. Recognizing the many diverse themes in man's spiritual nature, PLU initiated the Religious Life Council to coordinate religious life. Incorporating students, faculty and administrators in its membership, the Council seeks to further a spirit of Christian community which reflects diversity and is based on mutual respect. The University Minister, the President, the faculty and fellow students are partners in the development of each student's philosophy of religious life. The Student Congregation, as well as area churches, provide Sunday morning worship in addition to voluntary chapel three times a week and non-traditional worship opportunities.

### Library

The Robert A. L. Mortvedt Library, constructed in 1966, is a multi-media learning center, containing over 200,000 published and recorded items and provides an optimum learning environment of comfort and privacy. It also houses the Mortvedt Library Gallery, the University Photo Service, the Computer Center, the Nisqually Room for raw historical research, and the Archives.



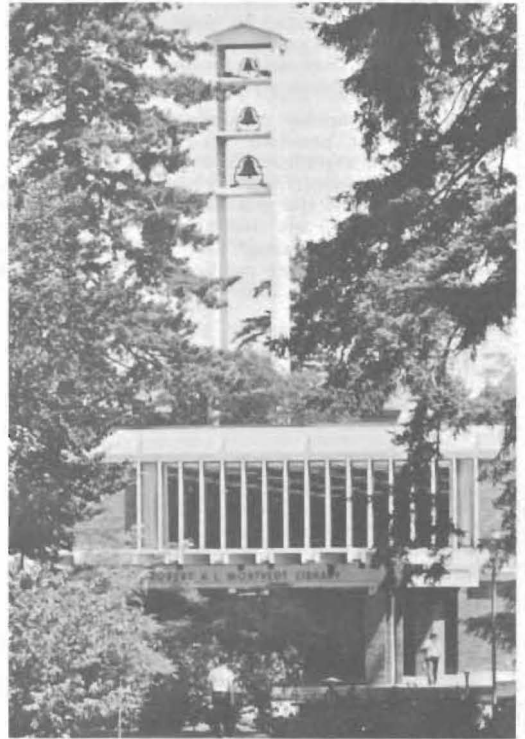
## Services

The University Center, completed in 1970, provides 100,000 square feet of service area including food service facilities, lounges, meeting rooms, bookstore, bowling alleys, music listening room, game rooms, private dining rooms, Chris Knutzen Fellowship Hall, student government offices, coffee shop, and a student operated coffee house (The Cave).

Columbia Center (1962) contains a cafeteria, coffee shop, bakery and golf pro shop.

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

For further information regarding special student services, campus facilities, and residence halls, please refer to the University Catalog.



## COSTS – TUITION, ROOM AND BOARD

A student at Pacific Lutheran University pays only for those courses in which he enrolls. Tuition charges are determined by the number of credit hours for which a student registers and are based on a semester hour rate.

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Tuition, per semester hour . . . . . \$75.00

Room and board costs, fees for audit, private lessons, late registration, credit by examination and the like are listed in the University Catalog.

Thesis binding and microfilming . . . . . \$21.00

Hood rental for commencement . . . . . 5.00

## FINANCIAL AID

Financial assistance for graduate students is available at Pacific Lutheran University in the form of National Direct Student Loans, teaching assistantships and head resident positions. The maximum loan is \$1,000 per year based on need, and awarded after undergraduate obligations have been met. Application for loans should be made through the Financial Aids Office and must be completed by March 1.

A limited number of graduate assistantships and head resident positions are available. A student interested in a graduate assistantship should contact the schools or departments in which he feels he would be able to make the greatest contribution. Students earning degrees in any area may also apply for a head resident position through the Student Life Office. Remuneration for this position is tuition and room and board plus a cash stipend.

## DIVISION OF GRADUATE STUDIES

### PURPOSE

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

### ADMISSIONS

Students holding a bachelor's degree from an accredited college or university who attained an undergraduate scholastic honor-point ratio of 3.0 may be admitted and granted regular status in the Division of Graduate Studies. Students already holding graduate degrees or students who have done satisfactory graduate work at another institution may be admitted on regular status. Those students with an average of less than 3.0 will not be considered for regular status until they have demonstrated their ability to do graduate work by a minimum of twelve semester hours of work with a grade point average of 3.0. These students may be granted provisional status.

Applicants are evaluated in terms of their scholastic qualifications and preparation for their proposed major field of study. A scholastic average equivalent of "B" or better in an acceptable undergraduate program is required for regular status. The Dean of Graduate Studies or the prospective major division or school may deny admission if the applicant's scholastic record is undistinguished, if his preparation is judged inadequate as a foundation for graduate work, or if the facilities are already filled to capacity.

Applicants for the Master of Business Administration degree and the Master of Public Administration degree are required to take the Admission Test for Graduate Study in Business, and applicants for the Master of Arts in Education degree, excluding the guidance and counseling program, are required to take the Miller Analogies Test. Applicants to the guidance and counseling program, are required to take the California Psychological Inventory. Other test scores must be submitted only if they are specifically requested by the Dean of Graduate Studies.

Further supporting evidence in the form of personal recommendations will be required from those persons named by the applicant on the application form.

Students applying for admission to graduate study should submit the completed application blank (available from the Graduate Office) plus an official copy of transcripts of all previous college work.

In order to insure consideration for entrance in a given term, applications should be made by July 1, November 15, and April 15. A fifteen-dollar non-refundable application fee should accompany the application. This is a service fee and is not applied to the student's account. Checks or money orders should be made payable to Pacific Lutheran University and sent to the Dean of Graduate Studies.

Approval of admission to the Division of Graduate Studies does not imply admission to candidacy for the degree. Final admission approval is determined by the Dean of Graduate Studies in consultation with the appropriate Graduate Council Committee.

In summary, the following items must be on file before an applicant may be considered for admission:

- (1) The completed application form.
- (2) The \$15.00 non-refundable application fee.
- (3) An official copy of transcripts of all previous college work.
- (4) Test scores when specifically requested.
- (5) (a) Admission Test for Graduate Study in Business scores (Master of Business Administration and Master of Public Administration applicants only).
- (b) Miller Analogies Test (Master of Arts in Education applicants only, except Counseling and Guidance).
- (c) California Psychological Inventory (Counseling and Guidance only).
- (6) Two letters of recommendation.

## MASTER'S DEGREES OFFERED

### MASTER OF ARTS

#### 1) Education

(a) Elementary or Secondary School Administration — The student who wishes to qualify for the provisional or standard principal's credential (elementary or secondary or general) will take a major in this field and complete courses in a supporting academic area of the University. Students may major in this field without qualifying for a principal's credential.

(b) Counseling and Guidance — For students who wish to qualify as public school counselors (elementary and secondary) or student personnel workers in higher education.

(c) Elementary Classroom Teaching — This program is designed for students who desire advanced work in elementary classroom teaching or who wish to qualify as elementary school supervisors or consultants. Along with the major in his field the student is required to complete courses in a supporting academic area.

(d) Secondary Classroom Teaching — This program is for those students who wish to increase their preparation for teaching in an academic area taught in the secondary school.

#### 2) Humanities

This degree program is designed for librarians, clergymen, teachers and others who wish to extend and broaden their understanding and appreciation of the various fields of the humanities.

#### 3) Social Sciences

This degree program is designed for personnel workers in industry, welfare workers, workers in the broad area of corrections, librarians, clergymen, teachers, and others who wish to extend and broaden their understanding and appreciation of the various fields of the social sciences. It includes the Human Relations Program offered at Ft. Lewis and McChord.

### MASTER OF BUSINESS ADMINISTRATION

This degree program is designed to provide, through education, a foundation for responsible leadership in business.

### MASTER OF MUSIC

This degree program is intended for qualified students who desire a concentration in music education, performance, or theory-composition.

### MASTER OF NATURAL SCIENCES

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

### MASTER OF PUBLIC ADMINISTRATION

This degree program is intended to provide, through education, a foundation for responsible leadership in the management of public agencies.

## INTERVIEWING OF APPLICANTS

Before admission to the graduate program, it is advisable for an applicant to seek an interview with a professor in his subject area. The Division of Graduate Studies will assist the applicant through referral to an appropriate faculty member.

## CLASSIFICATION OF STUDENTS

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

## CHANGE OF STATUS FROM PROVISIONAL TO REGULAR

The change of status from provisional to regular shall be determined under the following provisions:

- 1) Satisfactory fulfillment of course deficiencies.
- 2) Satisfactory completion of 12 semester hours of graduate work with a grade point average of 3.0 or better.
- 3) Satisfactory completion of departmental or school requirements.

A letter indicating change of status will be forwarded to the student, with a copy to his adviser.

## ADVISER, ADVISORY COMMITTEES, APPROVAL OF PROGRAM

The statement which follows describes the usual procedures which govern the appointment of advisers and advisory committees, and the approval of student programs. When different procedures are followed, the specifics are included in the catalog section which describes degree program requirements — MASTERS DEGREE PROGRAMS.

Upon admission to graduate study, an adviser shall be appointed for each graduate student. The adviser, in consultation with his advisee, shall determine a program of study and give final approval to his advisee's initial registration. (If the student registers for only 4 semester hours in his initial registration, the adviser shall give final approval to the second registration as well.) During the semester in which the student is taking the second course in his master's program, the student, in consultation with his adviser, shall initiate a request through the Graduate Office, for two additional faculty members to serve on his advisory committee. The newly-formed advisory committee, normally consisting of the adviser as chairman and two faculty members, will proceed to meet with the student as soon as is possible to give final approval to the student's entire program of studies. The committee normally shall have a faculty representative from the academic supporting area.

Three copies of the approved program should be signed by the members of the advisory committee. The student should keep one copy for his future use, give one copy to his adviser, and deliver one copy to the Graduate Studies Office.

## HOURS REQUIRED FOR THE MASTER'S DEGREE

A minimum of 32 semester hours is required. Individual programs may require more than the minimum number of semester hours, depending upon prior preparation and specific degree requirements. Any prerequisite courses taken during the graduate program may not count toward fulfilling minimum degree requirements.

## TRANSFER OF CREDIT

Eight semester hours of graduate work may be taken at another institution and transferred, provided that approval has been given by the student's advisory committee.

In degree programs requiring work beyond 32 semester hours, more than eight semester hours may be transferred, but in any case, the student must complete at least 24 semester hours of the degree program at Pacific Lutheran University.

## COURSES TAKEN ON A PASS-FAIL BASIS

If approved by the adviser, a graduate student's program may include a course offered for pass-fail credit only. In courses where students may elect a letter grade or the pass-fail option, graduate students must opt for the letter grade.

## STANDARDS OF WORK

The minimum standard acceptable for the master's degree is a grade point average of 3.0 in the major field and an overall average of 3.0 in all graduate work.

A student whose grade point average falls below 3.0 is subject to being dropped from the program. In such instances, the recommendation for drop or continuance is made by the student's advisory committee.

## RESEARCH REQUIREMENTS

As an important part of the master's program, the student is required to provide written evidence that he can do independent research. The manner of fulfilling this requirement will be determined by each student's advisory committee in consultation with the student. Details regarding this requirement are provided in a subsequent section of this catalog which describes each master's degree program.

If a thesis is written, the original copy must be submitted to the Office of Graduate Studies along with an abstract of 150 words or less. The original copy will be microfilmed by University Microfilms and then bound for the permanent collection of the Pacific Lutheran University Library.

If the research requirement is fulfilled by writing papers other than a thesis, one copy of each approved paper must be submitted to the Office of Graduate Studies along with an abstract of 150 words or less.

All work which is submitted as having fulfilled the research requirement must be in the Office of Graduate Studies no later than two weeks prior to the commencement at which the student is to receive his degree.

Details regarding format and style of the thesis or research papers may be obtained in the Graduate Studies Office.

## UNIVERSITY MICROFILMS

Beginning in 1972, graduate policy requires that all students who fulfill the research requirement by writing a thesis must submit their original thesis copy for microfilming by University Microfilms of Ann Arbor, Michigan. In addition, an abstract of 150 words or less must be submitted for publication in *Masters Abstracts*. The fee for microfilming, publishing the abstract, and binding the original thesis is to be paid by the student. The fee (subject to change) in 1975 is \$21.00. This policy is mandatory for students admitted after March 1, 1972 and optional for students admitted prior to March 1, 1972.

## EXAMINATIONS

A written comprehensive examination and/or oral examination over the student's program of studies, as well as an oral examination on the thesis or research papers, is required. These examinations over the student's program of studies are under the direction of the major adviser and/or the student's advisory committee and normally will be scheduled no later than the last Saturday of March, June or October. In any case, the final written comprehensive must be successfully passed not later than four weeks prior to commencement. The oral examination over the thesis or research is under the direction of the student's advisory committee and must be completed successfully not later than three weeks prior to commencement. See individual program sections of this catalog for specific particulars of examinations.

## TIME LIMIT

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

## RESIDENCE REQUIREMENT

All candidates for the master's degree must complete a minimum of 24 semester hours at Pacific Lutheran University. This requirement may be fulfilled by either one full academic year in attendance, three full summers, or the completion of equivalent study as a part-time student.

## COURSES ACCEPTABLE FOR GRADUATE CREDIT

The courses of study are listed in the General Catalog. Selected courses numbered 300, 400, and 500, unless otherwise designated, may be accepted for graduate credit. All courses accepted for the master's degree are, however, subject to the approval of the student's adviser and/or advisory committee.

## LIBRARY USE

The University library is open daily during the academic year. All registered students have the privilege of a library card. Admitted graduate students who are not currently enrolled may obtain a free temporary library card and, thus, have complete access to the library for one semester. If not enrolled for more than one semester, library use is possible, but only upon payment of the standard library fee for non-students — \$10.00 a semester or \$25.00 a year.

## PHYSICAL EXAMINATION

All new students and those returning after an absence of one or more calendar years who plan to register for 10 or more semester hours of credit during any term are required to complete a Medical History Record. (A physical examination is required of all international students prior to initial registration.) This health record should be completed and submitted one month or earlier before registration. Forms are available in the Student Health Center or in the Graduate Studies Office.

## INTERNATIONAL STUDENTS

Students from abroad are subject to all the requirements for admission established by the Division of Graduate Studies.

An international student whose native tongue is not English is required to demonstrate proficiency in the English language. The Test of English as a Foreign Language (TOEFL) is required for consideration for admission. Information on this test and on the dates and places of testing may be obtained from the Educational Testing Service, Box 899, Princeton, New Jersey 08540.

To allow ample time for visa and other departure procedures, the applicant should have his application and all supporting documents on file with the University no less than four months prior to his proposed entry date.

An international student must be enrolled in a program leading to a graduate degree. He cannot be admitted as a non-degree student.

If the above requirements are satisfactorily met and the student is admitted to a degree program, he is required to certify to the University that he has adequate financial resources available to him to undertake and continue in a program of study.

In addition to the required physical examination, all international students are required to carry a Pacific Lutheran University Sickness and Accident Insurance policy.

## ADMISSION ON A NON-DEGREE BASIS

A student with the bachelor's degree may register on a non-degree basis for a wide variety of courses for which he is prepared. Credit earned during non-degree classification may count toward a graduate degree but only as recommended by the faculty advisory committee and approved by the graduate dean after the student has been admitted on a degree-seeking basis. No such credit can be used that carries a grade lower than a "B-".

## GRADUATE CREDIT FOR SENIORS

If, during the last semester of the senior year, a candidate for a baccalaureate degree finds it possible to complete all requirements for such a degree with a registration of fewer than 16 sem. hrs. of undergraduate credit, he may register for graduate credit to the extent that the total registration for undergraduate requirements and elective graduate credit shall not exceed 16 sem. hrs. during the semester. A form provided by the Graduate Studies Office, stating that all baccalaureate requirements are being met during the current semester, must be signed by the appropriate department chairman or school dean and presented to the Dean of Graduate Studies at the time of such registration. This registration does not apply toward a higher degree unless it is later approved by the student's graduate advisory committee.

## MASTERS DEGREE PROGRAMS

### MASTER OF ARTS IN EDUCATION

#### PURPOSE

The purpose of the graduate program in education is to provide qualified persons with opportunities to enhance their background in teaching or to prepare themselves for school administrative or service positions which require advanced preparation. The major fields of concentration are designed to provide maximum flexibility in an experience oriented environment.

#### COORDINATING MASTER'S DEGREE AND FIFTH-YEAR PROGRAMS

Students holding a Provisional Certificate may coordinate the Master of Arts degree with the requirements for Standard Certification. Graduate students pursuing the Standard Certificate must discuss their program with the fifth-year adviser in the School of Education.

Appropriate course work taken prior to admission into the Division of Graduate Studies may apply to the student's graduate program upon approval by the candidate's Graduate Advisory Committee.



**MAJOR FIELDS OF CONCENTRATION**

**1. SCHOOL ADMINISTRATION – Program for Preparation of Elementary and Secondary School Principals – (32 semester hour minimum)**

(a) Prerequisites: Bachelor's degree plus 2 years of successful teaching experience.

	<b>SEMESTER HOURS</b>
(b) Major Area of Concentration . . . . .	11-13
Ed. 467 Evaluation	2-4
Ed. 545 Methods & Techniques of Research	2
Ed. 550 School Finance	2
Ed. 552 Public School Administration	3
Ed. 580 Curriculum Development	2
Educational Psychology courses to be determined in consultation with major adviser . . . . .	4-6
Ed.Psych. 561 Counseling Theory	4
OR	
Ed.Psych. 575 Mental Health	4
OR	
Ed.Psych. 578 Behavior Problems	4
OR	
Ed.Psych. 461 Group Process and the Individual	2
AND	
One additional Ed.Psych. course	
(Ed.Psych. 563, Ed.Psych. 474 or	2-4
Workshop in Classroom Discussion Techniques)	
One of the following three courses . . . . .	2-3
Ed. 585 Comparative Education	2
Ed. 587 History of Education	2
Ed. 589 Philosophy of Education	3
Research Options (Select A or B or C) . . . . .	3-6
Plan A – (Two research papers)	
Ed. 596 Research Studies	1
Ed. 597 Research Studies	2
Plan B	
Ed. 599 Thesis	3-4
Plan C	

One research paper plus an additional 4 semester hours of course work to be selected in consultation with the major adviser. The candidate will register for Ed. 596 or 597.

(c) Electives: To be determined in consultation with major adviser.

(d) Supporting Academic Areas . . . . . 8-10

All students earning master's degrees in School Administration must complete a minimum of 8 to 10 semester hours in a supporting academic area. This requirement assumes a prerequisite background in the chosen area of at least 16 semester hours. The courses shall be upper-division or graduate level courses. Approval of courses to fulfill this requirement shall be obtained from the student's advisory committee which consists of two faculty members from the School of Education and one from the supporting academic area.

Art	Educational Psychology	Physical Education
Biology	English	Physics
Business Administration	History	Political Science
Chemistry	Language Arts	Psychology
Communication Arts	Mathematics	Social Sciences
Earth Sciences	Music	Sociology
Economics		

(e) Examinations

- Students must take a comprehensive written examination over course work. This examination is to be scheduled through the student's adviser no later than 2 weeks before the examination is given. Comprehensive examinations are usually given on the first Saturdays of November and April, and the second Saturday of July.
- An oral examination over course work and/or research will be scheduled at the discretion of the student's advisory committee no later than three weeks before commencement.

**ELEMENTARY CLASSROOM TEACHING – (32 semester hour minimum)**

(a) Prerequisites: Bachelor's degree plus 2 years' successful elementary classroom teaching experience

(b) Major Area of Concentration		
Required . . . . .		4
Ed. 467 Evaluation		2
Ed. 545 Methods & Techniques of Research		2
One of the following . . . . .		2-4
Ed. 585 Comparative Education		2
Ed. 587 History of Education		2
Ed. 589 Philosophy of Education		3
Soc. 586 Sociology of Education		4

Research Options (Select A or B or C) . . . . .	3-6
Plan A – (Two research papers)	
Ed. 596 Research Studies	1
Ed. 597 Research Studies	2
Plan B	
Ed. 599 Thesis	3-4
Plan C	

One research paper plus an additional 4 semester hours of course work to be selected in consultation with the major adviser. The candidate registers for Ed. 596 or 597.

(c) Electives: 12 semester hours – To be determined in consultation with major adviser. All courses accepted for the master's degree are subject to the approval of the candidate's adviser or the candidate's advisory committee.

Courses may be selected from the following areas:

1. Reading Concentration
2. Curriculum & Methods
3. Early Childhood Education
4. Special Education – Learning Disabilities
5. Learning Resource Specialist
6. Educational Psychology

(d) Supporting Academic Areas . . . . . 8-10

All students earning master's degrees in Elementary Education complete a minimum of 8 to 10 semester hours in a supporting academic area. This requirement assumes a prerequisite background in the chosen area of at least 16 semester hours. The courses shall be upper-division or graduate courses. Approval of courses to fulfill this requirement shall be obtained from the student's advisory committee which consists of two faculty members from the School of Education and one from the supporting academic area.

(e) Examinations

1. Students must take a comprehensive written examination over course work. This examination is to be scheduled through the student's adviser no later than 2 weeks before the examination is given. Comprehensive examinations are usually given on the first Saturdays of November and April, and the second Saturday of July.
2. An oral examination over course work and/or research will be scheduled at the discretion of the student's advisory committee no later than three weeks before commencement.

3. SECONDARY CLASSROOM TEACHING – (32 semester hour minimum)

(a) Prerequisites:

1. Bachelor's degree plus two years' successful teaching experience.
2. A teaching concentration consisting of at least 40 semester hours or no less than 24 semester hours in cases involving a major-minor certification pattern for the junior high school.

(b) Requirements:

Academic Field(s) . . . . .	14-18*
Education . . . . .	14-18

Academic Field(s):

Select one or two academic fields. Courses taken will ordinarily be numbered 400 or higher except in those cases where permission has been given by the advisory committee. A minimum of 4 semester hours must be selected from a field in which you have an academic major. A second academic field in which you have a minimum of 16 semester hours of undergraduate preparation may be selected. Advisory committee approval is required for all work taken to complete the 14-18 semester hour requirement in the academic portion of the program.

Education:

Required Courses:

Ed. 545	Methods & Techniques of Research	2
Ed. 589	Philosophy of Education	3

Research Options:

Plan A		
Ed. 596	Research Studies	1
Ed. 597	Research Studies	2
OR		
Plan B		
Ed. 599	Ed. 599 Thesis	3-4

Electives: 6-10 semester hours. Advisory committee approval required.

(c) Examinations:

1. Students must take a comprehensive written examination over course work. This examination is to be scheduled through the student's adviser no later than 2 weeks before the examination is given. Comprehensive examinations are usually given on the first Saturdays of November and April, and the second Saturday of July.
2. An oral examination over course work and/or research will be scheduled at the discretion of the student's advisory committee no later than three weeks before commencement.

\*These hours will be determined by the student and the advisory committee. In all cases, the committee member from the academic area shall determine whether an appropriate program of courses is available to meet the requirements for this portion of the degree.



#### 4. COUNSELING AND GUIDANCE

The counselor training program is designed to prepare students for work as professional counselors in schools and other related areas.

Students must plan their program with an adviser, involving course work and continuing practicum. Course work taken prior to official admittance to the program will be evaluated as to its recency and relevance to the existing program. Course sequence is important to observe in regard to the professional preparation. Individual student programs will vary depending upon background. At least 32 hours must be taken in residence. Ordinarily one year of successful professional or related experience relevant to the program is required. (Relevant experience may include teaching, counseling, nursing, ministry, etc.)

A final written and oral comprehensive examination will be taken the last semester at least four weeks prior to the end of the semester.

(a) Prerequisites:

- |                          |                                      |  |   |
|--------------------------|--------------------------------------|--|---|
| 1. One of the following: |                                      |  |   |
| Ed.Psych. 463            | Guidance in the Elementary School    |  | 2 |
| Ed.Psych. 465            | Guidance in the Secondary School     |  | 2 |
| Ed.Psych. 466            | Intro. to Student Personnel Services |  | 2 |
| Ed.Psych. 464            | Intro. to Helping Professions        |  | 2 |
| 2. Ed.Psych. 461         | Group Process & The Individual       |  | 2 |
| 3. Ed.Psych. 560A        | Continuing Practicum                 |  | 1 |

FOLLOWING the meeting of these prerequisites, the application will be reviewed by a screening committee from the School of Education. At this point, the applicant will either be admitted as a regular status student or be denied admission to the program.

(b) Requirements:

- |                |                                    |  |   |
|----------------|------------------------------------|--|---|
| *Ed.Psych. 560 | Continuing Practicum (3 semesters) |  | 1 |
| Ed. 545        | Methods & Techniques of Research   |  | 2 |
| Ed.Psych. 561  | Basic Relationships in Counseling  |  | 4 |

\*Ed.Psych. 560 offers a variety of experiences such as individual counseling, Gestalt therapy, family counseling, play therapy, social role modeling, consultation experiences.

(c) Courses in Emphasis Area

- Elementary and Secondary School Emphasis
- |               |   |  |   |
|---------------|---|--|---|
| Ed.Psych. 570 | Practicum & Field Work in Guidance and Counseling |  | 4 |
|---------------|---|--|---|
- (Prerequisites: Ed.Psych. 469, Psych. 420, 450)  
PLUS 28 hours from Optional Area

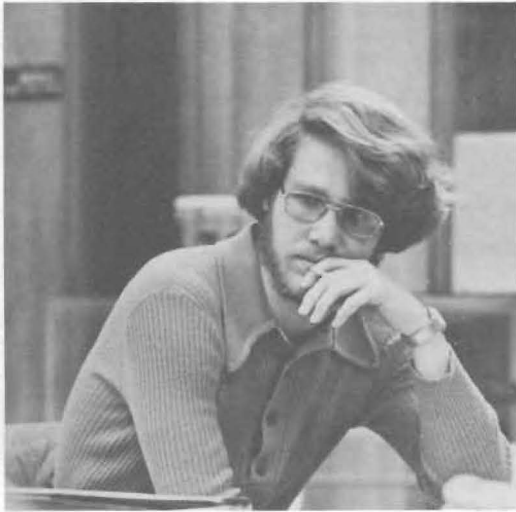
- Higher Education
- |               |  |  |   |
|---------------|--|--|---|
| Ed. 571       | History & Philosophy of Higher Education   |  | 4 |
| Ed.Psych. 573 | Student Personnel Work in Higher Education |  | 4 |
| Ed.Psych. 572 | Practicum in Student Personnel Work        |  | 4 |
- (For those interested in Administration)

- OR
- |               |   |  |   |
|---------------|---|--|---|
| Ed.Psych. 570 | Practicum & Field Work in Guidance and Counseling |  | 4 |
|---------------|---|--|---|
- (For those interested in Counseling in Higher Education.  
Prerequisites: Ed.Psych. 469, Psych. 420, 450)  
PLUS 20 hours from Optional Area

- General Counseling
- |               |                                      |  |   |
|---------------|--------------------------------------|--|---|
| Ed.Psych. 570 | Practicum & Field Work in Counseling |  | 4 |
|---------------|--------------------------------------|--|---|
- (Prerequisites: Ed.Psych. 469, Psych. 420, 450)  
PLUS 28 hours from Optional Area (8-12 hours may be from a related field)

#### OPTIONAL COURSES

- |               |   |  |     |
|---------------|---|--|-----|
| Stat. 331     | Introductory Statistics                 |  | 4   |
| Ed. 497       | Independent Study                       |  | 1-4 |
| Ed. 501       | Classroom Discussion Techniques         |  | 2   |
| Ed. 583       | Current Issues                          |  | 2-4 |
| Ed. 596       | Research                                |  | 1   |
| Ed. 597       | Research                                |  | 2   |
| Ed. 599       | Thesis                                  |  | 4   |
| Psych. 403    | Infancy & Childhood                     |  | 2   |
| Psych. 405    | Adolescent Psychology                   |  | 2   |
| Psych. 420    | Psychology of Personality               |  | 4   |
| Psych. 450    | Psychological Testing                   |  | 4   |
| Psych. 515    | Psych Assessment (Prereq. 450)          |  | 4   |
| Psych. 590    | Seminar: Psychology of Learning         |  | 4   |
| Ed.Psych. 468 | Educational Psychology                  |  | 4   |
| Ed.Psych. 469 | Career Guidance                         |  | 2   |
| Ed.Psych. 474 | Affective Classroom Behavior            |  | 2   |
| Ed.Psych. 563 | Practicum in Group Process & Leadership |  | 2   |
| Ed.Psych. 565 | Seminar: Non-Test Appraisal             |  | 2   |
| Ed.Psych. 575 | Mental Health                           |  | 4   |
| Ed.Psych. 578 | Behavior Problems of Students           |  | 2-4 |



## MASTER OF ARTS IN HUMANITIES

### PURPOSE

Pacific Lutheran University, in the light of its objectives, has recognized the need for an emphasis on the humanities. These objectives state in part, "Through an emphasis on the liberating arts, the University seeks to develop creative, reflective, and responsible persons.... It encourages the pursuit of rich and ennobling experiences and the development of significant personhood through an appreciation of man's intellectual, artistic, cultural, and natural surroundings." In view of this recognition and as further implementation of its objectives, a program leading to a Master of Arts in Humanities has been developed. This degree is a part of the graduate program designed for teachers, librarians, clergymen, and others who wish to extend and broaden their understanding and appreciation of the various fields of the humanities. The scope of the humanities in this degree program includes languages, literature, philosophy, history, religion, the creative and performing arts, and other relevant and supporting fields.

### PREREQUISITES

The applicant for admission to the M.A. in Humanities program shall hold a bachelor's degree with 32 semester hours in the Humanities, of which at least 16 semester hours must be in the field in which he plans to take his major concentration. Of these 16 semester hours, at least 8 semester hours must be upper-division work.

As a further prerequisite for regular status in the degree program, the applicant must present evidence of proficiency in one foreign language. The proficiency may be determined by one of the following procedures:

- 1) Sixteen semester hours of college level language.
- 2) A score of 600 or better in the CEEB language test series.
- 3) Consultation with the chairman of the Department of Foreign Languages.

Provisional status students in the humanities degree program may be considered for regular status after they have completed 12 semester hours of graduate work with an average of "B" or better and have completed all prerequisites.

### GENERAL REQUIREMENTS FOR THE M.A. IN THE HUMANITIES

The candidate for the degree M.A. in Humanities must complete 32 semester hours with at least 16 semester hours in his major field of concentration and no fewer than 12 semester hours distributed among two other fields (departments) of the humanities not including the major department. A major concentration for this degree may be pursued in any one of the departments of the humanities which offers an undergraduate major and at least 20 semester hours of upper-division work.

As a part of the degree program the candidate must provide evidence of skill in basic research and scholarly writing. Under the direction of the graduate student's adviser, and with the approval of the student's committee, a thesis shall be written which will earn 4 semester hours of credit. The student also will be expected to show in a comprehensive written or oral examination, or both, a general understanding of the areas in which the graduate work has been done.

### STANDARD OF WORK

The candidate for this degree must receive a grade of "B" or better in each course taken in his major concentration and a cumulative grade point average of 3.00 for all courses. Upper-division undergraduate courses taken for graduate credit must include a research paper as a part of the course work, the topic to be approved by the respective instructor.

## COURSES OF INSTRUCTION

The courses of study are listed in the University Catalog. Selected courses numbered 300, 400, and 500, unless otherwise designated, may be accepted for graduate credit. All courses accepted for master's degree programs are, however, subject to the approval of the student's adviser or student's advisory committee.

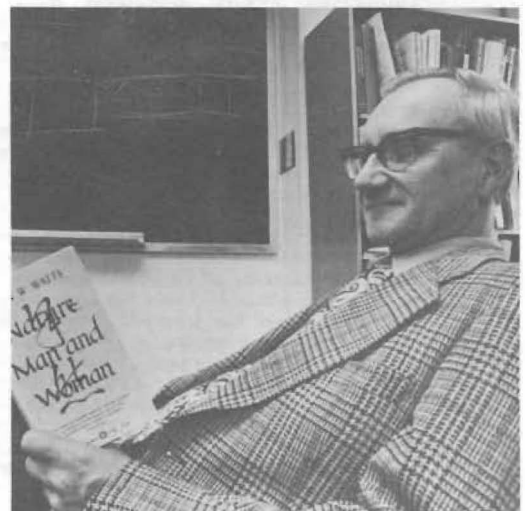
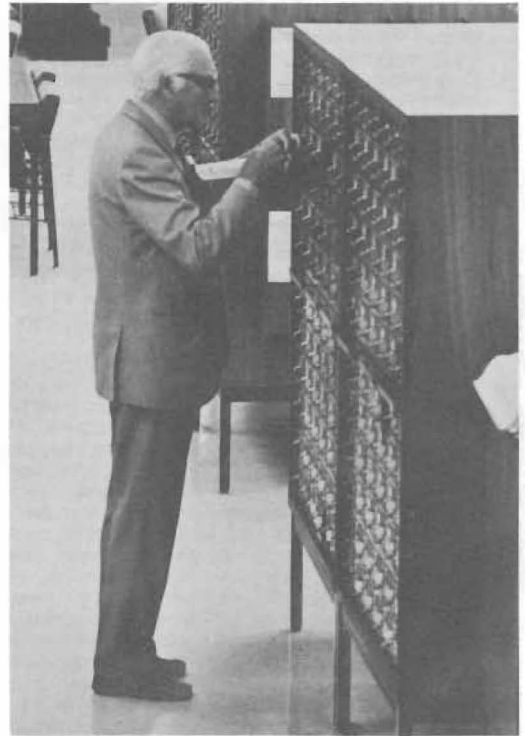
## RECOMMENDED PROCEDURES FOR GRADUATE STUDENTS IN HUMANITIES

- A. Discuss the Master of Arts in Humanities requirements with the Chairman of the Division of Humanities and the department chairman of your major concentration, and request from the department chairman an adviser from the department in which you will take your major concentration.
- B. Apply to the Division of Graduate Studies for admission to the graduate program.
- C. Plan a tentative long-range program with your adviser and get his approval of your first semester's courses. In consultation with your adviser, initiate a request through the Graduate Studies Office for the appointment of two additional faculty members to serve on your advisory committee. They should represent at least one discipline other than your major concentration. This request may be initiated as early as the semester in which you register for your second course in the master's program or as late as the time when you register for the fifth course in your program.
- D. Obtain your advisory committee's approval of the remaining courses and of the thesis topic. Your "Research Approval Plan" form, available from the Graduate Studies Office, should be signed by your committee and filed with the Graduate Studies Office.
- E. Arrange with your adviser the date of the comprehensive examinations on thesis and course work.
- F. Submit final, approved thesis to the Graduate Studies Office at least two weeks before commencement. (By this date, your adviser should have submitted to the Graduate Studies Office evidence of your successful completion of final examinations.)

## MASTER OF ARTS IN SOCIAL SCIENCES

### PURPOSE

Pacific Lutheran University recognizes the importance of education in the social sciences at the undergraduate level and also at the graduate level. This recognition is clearly set forth in its statement of objectives which states in part, "The major goals of the institution are to inculcate a respect for learning and truth, to free the mind from the confinements of ignorance and prejudice, to organize the powers of clear thought and expression, to preserve and extend knowledge, to help men achieve professional competence and to establish life-long habits of study, reflection, and learning...the acquisition of specialized information and technical skill is recognized as a condition of successful involvement in the modern world...the University affirms its fundamental obligation to confront liberally educated men with the challenges of Christian faith and to instill in them a true sense of vocation." As a further realization of these objectives, a Master of Arts in the Social Sciences has been developed. This degree is a part of the graduate program designed for mental health professionals, workers in the broad field of corrections, ministers of the gospel, teachers, librarians, and others who wish to extend and broaden their understanding and appreciation of the various fields of the social sciences. The scope of the social sciences in this degree program includes economics, history, political science, psychology, sociology, and other relevant and supporting fields.



## PREREQUISITES

Applicants for admission to the M.A. in Social Sciences program shall hold a bachelor's degree with 32 semester hours in social sciences of which 16 semester hours must be in the field of the graduate major concentration. If the major concentration is either in Psychology or in Sociology, a course in statistics is additionally required. In other departments in the Division of Social Sciences the student must have completed either the equivalent of two years' work in a foreign language (or must present evidence of having satisfactorily passed a reading examination in a foreign language) or must present evidence of proficiency in statistics as a research tool. The choice will be determined on the basis of the student's major concentration by the student's advisory committee. Prerequisites for the degree must be completed before candidates may be advanced to regular status.

## GENERAL REQUIREMENTS FOR THE M.A. IN SOCIAL SCIENCES

The candidate for the degree M.A. in Social Sciences must complete at least 32 semester hours of graduate work with at least 16 semester hours in the major field of concentration and at least 8 semester hours in supporting areas. A major concentration for this degree may be pursued in any one of the following fields: economics, history, political science, psychology or sociology. The supporting courses may be taken in any relevant disciplines to make for an integrated program of study. A minimum of 8 semester hours of 500-level courses is required in the major field of concentration. The student is generally expected to complete a course either in Research Methods or Historiography and Bibliography.

## DEPARTMENTAL REQUIREMENTS

Several departments have requirements or options which go beyond the General Requirements. They are:  
**PSYCHOLOGY**

The student may take either a 32 semester hour graduate program which must include a thesis, or a 36 semester hour graduate program which does not include a thesis. Students whose academic backgrounds are deficient may expect to take 4 to 8 semester hours of work beyond the minimum required for the degree.

All students applying for admission into the M.A. program in Social Sciences with a concentration in Psychology must have a personal interview with two or more Psychology Department faculty members before a decision will be made regarding their admission. Decisions regarding admission to the M.A. in Social Sciences program with a concentration in Psychology will be made by May 15, September 15, and December 15, and all components of the student's application file (including faculty interviews) must be completed and in the Office of the Dean of Graduate Studies by the corresponding dates of May 1, September 1, and December 1. The Psychology Department will accept as many applicants in the M.A. in Social Sciences program with a concentration in Psychology as resources will permit but will accept only those students who have met the academic requirements and who, in the estimation of the department, will be able to profit from its curriculum. Therefore, some students with acceptable academic qualifications may not be accepted because of limited resources or because it is considered that the applicant will not benefit from the academic program. Each semester after acceptance, students must (1) take at least one course and (2) meet with their graduate supervisor; exceptions will require the written approval of the student's graduate advisory committee. Students failing to meet either or both of the above conditions for continuing graduate status must apply for readmission.

## SOCIOLOGY

The M.A. in Social Sciences with a concentration in Sociology may be attained in one of three general ways:

- (1) 32 semester hours with masters thesis
- (2) 32 semester hours with the supervised revision of 2 research-oriented course papers
- (3) 36 semester hours including at least 4 semester hours in Research Methods

Each option must be pursued in consultation with the student's graduate advisory committee.

## COURSES OF INSTRUCTION

The courses of study are listed in the University Catalog. Selected courses numbered 300, 400, and 500, unless otherwise designated, may be accepted for graduate credit. A 20 semester hour graduate sequence in Corrections is available through the Department of Sociology. Courses in this sequence include:

Soc. 590	Seminar in Criminal Justice System	4
Soc. 590	Seminar in Sociological Theory and the Criminal Justice System	4
Soc. 590	Rehabilitation Models in Corrections	4
Soc. 590	Group Process in Corrections	4
Soc. 590	Law and the Criminal Justice System	4

A 36-semester hour program in Human Relations is available through the Department of Sociology. All courses accepted for master's degree programs are, however, subject to the approval of the student's adviser or advisory committee.

## RESEARCH REQUIREMENT AND EXAMINATIONS

University graduate policy permits various ways of meeting the research and thesis requirements. Students pursuing a Master of Arts in Social Science degree should consult the department in which they concentrate their work and thesis requirement.

A comprehensive written and/or oral examination covering all the courses studied for the degree and a separate oral examination over the thesis or research project shall be administered by the student's advisory committee.

## MA IN SOCIAL SCIENCES—HUMAN RELATIONS

A unique program of studies leading to a Master of Arts in Social Science degree with emphasis in Human Relations. The program is offered at Fort Lewis and McChord Air Force Base, and has been specifically designed to meet the needs of Army and Air Force personnel. While the courses are regular Pacific Lutheran University courses, they are offered on a time schedule and in a pattern that recognizes the length of normal duty tours and other special circumstances connected with military assignments.

The primary objective of the program is to help each student become proficient in recognizing and dealing with the needs and problems of individuals in organizations, leading to increased effectiveness and more meaningful participation in society. The texts and readings, outside material and classroom activities are all designed to build a broader understanding of the interaction, needs and utilization of human resources in an organizational context.

Military dependents and other civilians may be admitted to this program on a space available basis.

## SCHOOL PSYCHOLOGY ORIENTATION PROGRAM CERTIFICATION AS AN EDUCATIONAL STAFF ASSOCIATE— SCHOOL PSYCHOLOGIST

The Psychology Department, in cooperation with the School of Education, offers a sequence of courses leading possibly to certification as an Educational Staff Associate—School Psychologist in the State of Washington. This program is based on the GUIDELINES AND STANDARDS FOR THE DEVELOPMENT AND APPROVAL OF PROGRAMS OF PREPARATION LEADING TO THE CERTIFICATION OF SCHOOL PROFESSIONAL PERSONNEL adopted by the State Board of Education, July 9, 1971. The student interested in eventual certification as an Educational Staff Associate—School Psychologist must confer with the Chairman of the Department of Psychology and subsequently with the Dean of the School of Education before beginning to pursue this certification.

## MASTER OF BUSINESS ADMINISTRATION AFFILIATIONS

The School of Business Administration of Pacific Lutheran University is a member of the American Assembly of Collegiate Schools of Business. The undergraduate program is nationally accredited by the Assembly's Accreditation Council. Moreover, the School of Business Administration subscribes to all standards of the American Assembly of Collegiate Schools of Business. Both the undergraduate and the graduate programs of Pacific Lutheran University are accredited by the regional Northwest Association of Secondary and Higher Schools.

The School of Business Administration is also a member of the Northwest Universities' Business Administration Conference, and the Western Association of Collegiate Schools of Business.

## ADVISERS AND ADVISORY COMMITTEES

At the time of admission, both regular and provisional status students are assigned a program adviser by the Dean of the School of Business Administration in consultation with the Dean of Graduate Studies. The student meets with his adviser to plan a tentative course of study prior to initial registration. The student should continue to meet with his adviser at least once each regular semester to review his progress and update the planned course of study.

The program adviser will also guide the student in electing an appropriate research option and establishing a research advisory committee.

## CURRICULUM

The purpose of the evening M.B.A. program is to provide, through education, a foundation for responsible leadership in business and government. Combined with general and specialized undergraduate education, this program is centered on the skills and knowledge for professional management. Opportunities for specialization are also available through additional optional undergraduate and graduate courses.

The M.B.A. curriculum consists of five prerequisite courses, eight graduate level courses, the Research Colloquium, and either a formal thesis or one graduate elective course. This curriculum is divided in three parts:

Analytical Techniques and Managerial Environment  
Management of Business Functions

Application of Research and Problem-Solving Skills

The sequence of studies begins, preferably, with the preparatory courses or examinations for credit taken either at Pacific Lutheran University or elsewhere. Individuals holding a recent bachelor's degree in business administration or the equivalent would normally have satisfied the preparatory course requirements.



The sequence of graduate courses begins with economic analysis and policy decisions and quantitative methods, the two courses offered by the Department of Economics. They are followed by the graduate accounting course, and the organizational environment course.

Usually the next courses taken are the three seminars on the management of business functions, and the integrative course on business strategy.

At this point the student may take his comprehensive written examinations in the three fields of operations management, financial management and marketing management. These written examinations are offered once every semester on the last Saturday in October and March.

The concluding study is centered on the research requirement and the application of research and problem-solving skills. This final phase of the program is intended to provide the student with an opportunity to master these skills while developing expertise in an area of particular interest. It further acknowledges the desirability of assuring that each graduate possesses a minimum competence in using and interpreting research methods, tools, and techniques. A wide range of topics and approaches is possible, giving the student considerable latitude in planning his program. The student may also prefer to take course work in an area of specialized or professional interest. These studies may or may not culminate in a formal research study or thesis, depending on the needs and capabilities of the individual.

Beginning in 1972, graduate policy requires that all students who fulfill the research requirement by writing a thesis must submit their original thesis copy for microfilming by University Microfilms of Ann Arbor, Michigan. In addition, an abstract of 150 words or less must be submitted for publication in *Masters Abstracts*. The fee for microfilming, publishing the abstract, and binding the original thesis is to be paid by the student. The fee (subject to change) is \$21.00. This policy is mandatory for students admitted after March 1, 1972, and optional for students admitted prior to March 1, 1972.

The M.B.A. catalog contains additional information on program options as well as specific details regarding the written and oral comprehensive examinations.

## ADMISSION

Students who hold a bachelor's degree in any field from an accredited college or university and who have demonstrated their ability or potential to do high quality academic work on a consistent basis are encouraged to apply for admission to the M.B.A. program.

Consultation about the program is available from the Director of Executive Development in the School of Business Administration prior to filing the application for admission. Students may begin studies after September 1, February 1, June 1 or July 15 of every year.

The application for admission, together with the application fee, transcripts, and supporting documents, is filed with the Dean of Graduate Studies. The evaluation process usually takes less than a month after all required documents are received. All applicants to the M.B.A. program are required to submit scores on the Admission Test for Graduate Study in Business (A.T.G.S.B.)

Approval of admission to graduate studies does not imply admission to candidacy for the degree. Final admission approval is determined by the Dean of Graduate Studies in consultation with the School of Business Administration Graduate Studies Committee.

In summary, the following items must be on file before an applicant may be considered for admission:

- (1) The completed application form,
- (2) The \$15.00 non-refundable application fee,
- (3) An official copy of transcripts of all previous college work,
- (4) Admission Test for Graduate Study in Business scores,
- (5) Two letters of recommendation.

All new students and those returning after an absence of one or more calendar years who plan to register for 10 or more semester hours of credit during any term are required to complete a Medical History Record. (A physical examination is required of all international students prior to initial registration.) This health record should be completed and submitted one month or earlier before registration. Forms are available in the Student Health Center or in the Graduate Studies Office.

## REGULAR STATUS STUDENTS

Applicants to be considered favorably for admission on regular status must have a demonstrated ability to do high quality work on a consistent basis. The demonstrated ability to do this kind of work is evidenced by any of the following criteria:

Achievement of an overall G.P.A. of 3.00 or above in college studies culminating with the granting of a bachelor's degree in a specific field or concentration.

Completed graduate or professional studies in some field requiring consistent work of high quality. Completion of such work would normally have resulted in the student receiving a master's degree, or a professional degree such as Juris Doctor, Doctor of Medicine, Master of Social Work, or Bachelor of Theology.

A minimum of 12 semester hours of appropriate post-baccalaureate work with a G.P.A. of 3.00, or above, and an A.T.G.S.B. score of at least 500.

## PROVISIONAL STATUS STUDENTS

Applicants to be considered favorably for admission on provisional status must demonstrate a high probability to do high quality work on a consistent basis on the graduate level. The potential and probability is evidenced by either of the following two criteria:

Achievement of an overall G.P.A. of at least 2.50 in all cumulative undergraduate studies and an A.T.G.S.B. score of at least 500.

Achievement of an overall G.P.A. of at least 2.50 in all cumulative undergraduate studies and an A.T.G.S.B. score of at least 450, providing the student's previous work in the specific required areas of accounting, management principles, marketing, finance, and quantitative and statistical methods indicates a favorable projection for graduate level work in these areas.

On occasion, the Graduate Studies Committee of the School of Business Administration faculty, in consultation with the Dean of Graduate Studies, may deviate from provisional status criteria stated above, and admit deserving and promising students with unusual qualifications on a case by case basis. International students are evaluated on a case by case basis for provisional status only, and require individual faculty sponsorship.

The provisional status in the M.B.A. program is converted to regular status after the completion of at least three of the following four graduate courses with a cumulative grade point average of 3.00:

- BA 550, Organizational Environment;
- BA 582, Accounting Information and Control;
- Econ. 504, Economic Analysis and Policy Decisions;
- Econ. 543, Quantitative Methods.

## PROBATIONARY STATUS

A student pursuing the master's degree who fails to maintain a cumulative grade point average of 3.00, in the courses applicable to the degree, shall be placed on academic probation. The student shall be notified by letter from the Registrar, and the student's name shall be sent to the person's adviser and the Graduate Studies Committee.

A graduate student on probation who fails to attain a cumulative grade point average of 3.00 in the next term of enrollment shall be dropped from the program.

## PROGRAM PLANNING GUIDE

The following courses make up the basic M.B.A. program; individual program variations are designed to meet the student's needs on a case by case basis.

### PREPARATORY CORE

BA 281	Financial Accounting
Stat. 331	Introductory Statistics
BA 350	Management
BA 370	Marketing Systems
BA 364	Managerial Finance

### ANALYTICAL TECHNIQUES AND MANAGERIAL ENVIRONMENT

Econ. 504	Economic Analysis and Policy Decisions
Econ. 543	Quantitative Methods
BA 582	Accounting Information and Control
BA 550	Organizational Environment

### MANAGEMENT OF BUSINESS FUNCTIONS

BA 551	Seminar in Operations Management
BA 564	Seminar in Financial Management
BA 570	Seminar in Marketing Management
BA 555	Business Strategy and Policy

### APPLICATION OF RESEARCH AND PROBLEM-SOLVING SKILLS

BA 596	Research Colloquium and an appropriate elective or formal research
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### ELECTIVE COURSES

BA 450	Manufacturing Management
BA 461	Investments
BA 471	Marketing Research and Consumer Behavior
BA 472	Advertising and Sales Management
BA 473	Industrial Marketing and Purchasing
BA 482	Advanced Accounting
BA 484	Auditing
BA 488	Systems Analysis and Design
BA 490	Seminar
BA 495	Business Law
BA 557	Seminar in Policy Sciences
BA 567	Seminar in Government Budgeting
BA 581	Seminar in Financial Accounting Theory
BA 587	Government Accounting Systems
BA 590	Special Seminar
BA 591	Independent Study

See MBA Catalog for further details.

## MASTER OF PUBLIC ADMINISTRATION

### CURRICULUM

The purpose of the evening M.P.A. program is to provide, through education, a foundation for responsible leadership in the management of public agencies. Combined with general and specialized undergraduate education, this program is centered on the skills and knowledge for effective public administration. Opportunities for specialization are also available through additional optional undergraduate and graduate courses.

The M.P.A. curriculum consists of two preparatory courses, two undergraduate level courses, seven graduate level courses, the Research Colloquium, and either a formal thesis or one graduate elective course. This curriculum is divided into three parts:

#### Analytical Techniques

#### Institutional Environment

#### Application of Research and Management Skills

The sequence of studies begins, preferably, with the preparatory courses or examinations for credit taken either at Pacific Lutheran University or elsewhere. Individuals holding a recent bachelor's degree in business administration or the equivalent would normally have satisfied the preparatory course requirements.

The sequence of graduate courses normally begins with economic analysis and policy decisions, and quantitative methods, the two courses offered by the Department of Economics. They are followed by the graduate accounting course, and the organizational environment course.

Usually the next courses taken are the four courses on institutional environment and management functions, followed by the integrative course on policy science.

At this point the student may take his comprehensive written examinations in the three fields of operations management, government financial management, and the political environment. These written examinations are offered once every semester on the last Saturday in October and March.

The concluding study is centered on the research requirement and the application of research and problem-solving skills. This final phase of the program is intended to provide the student with an opportunity to master these skills while developing expertise in an area of particular interest. It further acknowledges the desirability of assuring that each graduate possesses a minimum competence in using and interpreting research methods, tools, and techniques. A wide range of topics and approaches is possible, giving the student considerable latitude in planning his program. The student may also prefer to take course work in an area of specialized or professional interest. These studies may or may not culminate in a formal research study or thesis, depending on the needs and capabilities of the individual.

Beginning in 1972, graduate policy requires that all students who fulfill the research requirement by writing a thesis must submit their original thesis copy for microfilming by University Microfilms of Ann Arbor, Michigan. In addition, an abstract of 150 words or less must be submitted for publication in *Masters Abstracts*. The fee for microfilming, publishing the abstract, and binding the original thesis is to be paid by the student. The fee (subject to change) is \$21.00.

The following guidelines are provided for the student to enable him to select an option that will most effectively meet the student's individual needs.

### Plan A

Plan A consists of two basic requirements:

1. A passing grade in BA 596, Research Colloquium, and
2. Successful completion of a major research study, which may consist of either (a) a formal thesis, or (b) a formal case study (including analysis) suitable for publication in the Harvard Intercollegiate Case Clearing House collections.



In brief, the procedural aspects include: (a) preparation of a research proposal, usually done in conjunction with BA 596; (b) selection of a research advisory committee; (c) submission *and* approval of the student's research proposal; (d) completion of the thesis or case; and (e) formal review of the candidate's research, generally conducted in conjunction with the final oral examination. Copies of all formal thesis studies are catalogued in the Robert A. L. Mortvedt Library as formal publications of the University; less formal studies are filed directly in the archives and are available for use by students and faculty.

### Plan B

Plan B has two major requirements:

1. A passing grade in BA 596, Research Colloquium, and
2. A grade of "B" or better in one Plan B approved course included among the following senior and graduate level electives:

BA 471	Marketing Research and Consumer Behavior
BA 473	Industrial Marketing and Purchasing
BA 482	Advanced Accounting
BA 484	Auditing
BA 488	Systems Analysis and Design
BA 490	Seminar
BA 495	Business Law
BA 564	Seminar in Financial Management
BA 570	Seminar in Marketing Management
BA 581	Seminar in Financial Accounting Theory
BA 582	Accounting Information and Control
BA 590	Special Seminar
BA 591	Independent Study
Econ. 434	Government and the Economy
Ed. 550	School Finance
Ed. 552	Public School Administration
Ed. 554	High School Organization and Administration
PS 426	Recent Political Thought
PS 427	American Political Thought
PS 456	The Administrative State
PS 474	The Constitution

Some of these courses have prerequisites which must be satisfied before the student is eligible to enroll for the appropriate Plan B elective.

Additional senior and graduate level courses offered by the University in other fields where appropriate *may* also be acceptable for meeting specific individual needs. Such exceptions are established on a case by case basis through petition to the Chairman of the School of Business Administration Graduate Studies Committee.

In order to elect this option, the student should file the Plan B option form with the Chairman of the School of Business Administration Graduate Studies Committee. The student must specify at that time the additional course to be taken. This should be done prior to actually commencing with the proposed actions, since each plan is subject to modification until it is formally approved by the Graduate Studies Committee, acting through its Chairman. Thus, by obtaining the early approval of his planned activities, the student may avoid unanticipated revisions at a later date.

Subsequent to completion of the Plan B course work the student will be examined on his professional competence in the final oral examination.

The M.P.A. catalog contains additional information and details regarding the written and oral comprehensive examinations, and program electives.



## PROGRAM PLANNING GUIDE

The following courses make up the basic M.P.A. program; individual program variations are designed to meet the student's needs on a case by case basis.

### PREPARATORY CORE

Stat. 331      Introductory Statistics  
BA 350        Management

### ANALYTICAL TECHNIQUES

Econ. 504     Economic Analysis and Policy  
                  Decisions  
Econ. 543     Quantitative Methods  
BA 587        Government Accounting Systems  
BA 550        Organizational Environment

### INSTITUTIONAL ENVIRONMENT AND MANAGEMENT SKILLS

PS 457        The Administrative Environment  
PS 459        The Administrative Purpose  
BA 551        Seminar in Operations Management  
BA 557        Seminar in Policy Sciences  
BA 567        Seminar in Government Budgeting

### APPLICATION OF RESEARCH AND PROBLEM- SOLVING SKILLS

BA 596        Research Colloquium  
                  and  
an appropriate elective or formal research





## MASTER OF MUSIC

### PURPOSE

The purpose of the Master of Music program is to offer to qualified students advanced study in the following three areas of concentration: 1) Music Education, 2) Performance, and 3) Theory-Composition.

### PREREQUISITES

The applicant for admission to the Master of Music program shall hold a bachelor's degree with adequate preparation in the area of his intended graduate concentration. This preparation should be comparable to undergraduate degrees offered by Pacific Lutheran University. A change of emphasis may require remedial work. Such determination is made after transcripts are reviewed and a Qualifying Examination is analyzed.

### GENERAL REQUIREMENTS

The Master of Music degree requires the completion of 32 semester hours of approved graduate study to include no fewer than 20 semester hours in music including Literature and Performance and Education 545: Methods & Techniques of Research\*\*. The remaining courses may be in music or other related fields as agreeable to both adviser and student.

In addition to the general requirement, Education 545: Methods and Techniques of Research, the candidate will complete one or more of the following research-performance options with his adviser's approval. Credit allowed will be determined by the student's advisory committee on the basis of the depth of research or study but shall not exceed 4 semester hours.

- |          |   |
|----------|---|
| Mus. 597 | A professional paper  |
| Mus. 597 | A field study in Music Education  |
| Mus. 598 | A satisfactory recital  |
| Mus. 596 | A major composition   |
| Mus. 596 | A comprehensive project in<br>orchestration or band arrangement                         |
| Mus. 598 | The preparation and public performance of a major work for band,<br>orchestra, or choir |
| Mus. 599 | A thesis  |

A comprehensive written and/or oral examination over the student's program of studies is required and must be successfully passed not later than four weeks prior to commencement. In addition, an oral examination over the thesis or research project must be completed not later than four weeks prior to the commencement. (When a graduate solo recital is presented in fulfillment of the research requirement, a pre-recital audition will constitute the oral examination over this portion of the student's research project.) The request for examination should be initiated by the student and must be submitted to the student's major adviser not less than three weeks prior to the desired examination dates. All said examinations will be administered and evaluated by the student's advisory committee.

### ADMISSION

In addition to the General University procedures for graduate students, applicants will be required to take a Qualifying Examination. This examination is used to aid the student and adviser in planning a satisfactory program. If results of the examination indicate deficiencies in the student's preparation, remedial work may be required, the credit for which will not be allowed toward the graduate degree. The Qualifying Examination is administered by the Department of Music and must be completed during

\*\*Required for students doing a field study, professional paper, or thesis. Students who fulfill the research option with a performance or major composition are not required to take Ed. 545.

the first semester (or summer) of study. It is the student's responsibility to initiate the request for examination date. The examination covers the following areas:

1. **MUSIC EDUCATION** – (only taken for the Music Education degree)

The candidate should be able to discuss the place of music in a system of public education, the basic concepts involved in guiding the musical growth of the individual, and what constitutes a desirable and worthwhile music education program.

2. **MUSIC HISTORY AND LITERATURE**

A basic understanding of the characteristic style and major works of important composers and major period divisions of music history as they relate to the development of vocal and instrumental forms from the Middle Ages to the present.

3. **MUSIC THEORY**

The candidate should be able to harmonize in four parts a given melody and be able to analyze in detail the structural aspects of music in all periods. He should be able to write accurately and rapidly a melody played on the piano no more than three times. The candidate will be asked to demonstrate his sightsinging ability.

4. **CONDUCTING**

Demonstrate competence in score reading, baton and rehearsal techniques.

5. **ORCHESTRATION**

Demonstrate fundamental knowledge of scoring, instrumental ranges, transposition, and the technical limitations and capabilities of instruments.

6. **PERFORMANCE COMPETENCY**

Each candidate, in order to demonstrate his instrumental or vocal competency, will perform selected works for faculty approval. In addition, prospective theory and composition students will be required to submit scores and/or tapes of their work.

7. **PIANO PROFICIENCY**

The student will be asked to demonstrate his keyboard proficiency. The music faculty will then determine if further study of the piano is warranted. Criteria for this determination will include consideration of the student's program and goals.

## COURSE OFFERINGS

The following regular offerings of the Department of Music will be acceptable for inclusion in the candidate's final approved program:

Literature and Performance 530, 531, 532, 533, 534, 535, 536, and 537

Private Instruction 550, 551, 552, 553, 554, 555, 556, and 557

Composition 327-527

Contemporary Techniques, Analysis and Literature 323

Contrapuntal Writing, Form, Analysis & Literature 324

Orchestration 325, 326

History of Piano Literature and Performance 363

History of Organ Building 364

Vocal Literature 365

Hymnology and Sacred Music Literature 367

Worship and Liturgy 368

Advanced Form and Analysis 423

Opera Workshop 435

Keyboard Pedagogy 442

Organ Repertoire and Improvisation 443

Advanced Conducting, Techniques and Materials 445

Independent Study 491, 492

Graduate Seminar 590

Research-Performance Options 596, 597, 598, 599

In addition, with committee approval, certain special offerings such as workshops will be acceptable for inclusion in the program.



## SAMPLE PROGRAMS

### PERFORMANCE – ORGAN

32 semester hours total, to include 20 semester hours minimum in music:

- Ed. 545\*\* Methods & Techniques of Research  
Music Organ – Private Instruction  
Music 443 Organ Repertoire and Improvisation  
OR  
Music 364 History of Organ Building  
Graduate Solo Recital  
\*Electives

### PERFORMANCE – PIANO

- Ed. 545\*\* Methods & Techniques of Research  
Music Piano – Private Instruction  
Music 363 History of Piano Literature &  
Performance  
Music 441 Keyboard Pedagogy  
Graduate Solo Recital  
\*Electives

### PERFORMANCE – INSTRUMENTAL

- Ed. 545\*\* Methods & Techniques of Research  
Music Literature & Performance  
(to include 2 semester hours in  
Chamber Ensemble)  
Music Private Instruction – major per-  
forming area  
Music 590 Graduate Seminar in Applied Litera-  
ture  
Graduate Solo Recital  
\*Electives

### PERFORMANCE – VOICE

- Ed. 545\*\* Methods & Techniques of Research  
Music Private Instruction – Voice  
Music Literature & Performance & Opera  
Workshop  
Music 365 Vocal Literature  
Music 442 Vocal Pedagogy  
\*Electives

### MUSIC EDUCATION – INSTRUMENTAL EMPHASIS

- Ed. 545\*\* Methods & Techniques of Research  
Music Private Instruction (major  
instrument)  
Music Private Instruction (minor  
instruments and/or piano)  
Music Literature & Performance (to  
include 2 semester hours in  
Chamber Music)  
Music Special Summer Music Education  
Offerings

### MUSIC EDUCATION – VOCAL EMPHASIS

- Ed. 545\*\* Methods & Techniques of Research  
Music Private Instruction (to include  
at least 2 semester hours in voice)  
Music Literature & Performance  
Music 367 Sacred Music Literature  
Music Special Summer Music Education  
Offerings

## THEORY AND COMPOSITION

- Ed. 545\*\* Methods & Techniques of Research  
Music 527 Composition  
Music Private Instruction – major  
instrument  
Music 537 Contemporary Directions Ensemble  
Music Research-Performance Option

## GENERAL INFORMATION

1. Upon acceptance, each student will be assigned an adviser who will be the student's committee chairman and who will work with the student in selecting two other faculty to serve on the committee.
2. With committee approval, up to 8 semester hours of graduate work taken at another institution may be transferred. All requirements for the degree must be completed within 7 years.
3. Although there are no graduate assistantships available, certain teaching opportunities are available. For information write to the Chairman of the Music Department.
4. It is the student's responsibility to arrange acceptance of his total program with his adviser and subsequent committee.

\*To be determined in consultation with student's advisory committee. See regular offerings acceptable for inclusion in candidate's program.

\*\*Required for students doing a field study, professional paper, or thesis. Students who fulfill the research option with a performance or major composition are not required to take Ed. 545.

## MASTER OF NATURAL SCIENCE

### PURPOSE

To meet the challenge of this technological age and recognizing the significance of the secondary school teacher in it, Pacific Lutheran University offers studies leading to the degree of Master of Natural Science. This degree is part of the graduate program designed especially for teachers who wish to extend and broaden their knowledge in the fields of science and mathematics. A deeper understanding of basic principles and an advanced approach to subject matter make for more effective teaching of the sciences.

This program also offers a master's degree to others in industry or pre-professional preparation who need a broad interdepartmental training in the natural sciences.

### GENERAL REQUIREMENTS

A candidate must attain satisfactory completion of 32 semester hours with at least 16 semester hours in the major field and a minimum of 4 semester hours of independent study or research, a written report of which shall be filed in the Graduate Office. A maximum of 8 semester hours may be transferred from other institutions.

A student must pass a comprehensive written and/or oral examination (as the committee designates) covering the courses taken and the independent study or research. The examination(s) will be administered by the student's advisory committee and a record of the student's performance will be filed in the Graduate Office.

### CURRICULUM

Participating departments in the Master of Natural Science degree program include biology, chemistry, earth sciences, mathematics and physics. Courses of study which the candidate will take will depend on the educational background, teaching experience, needs and desires of the individual candidate. The student will plan his program in consultation with his individual advisory committee from the science faculty.

### TIME LENGTH

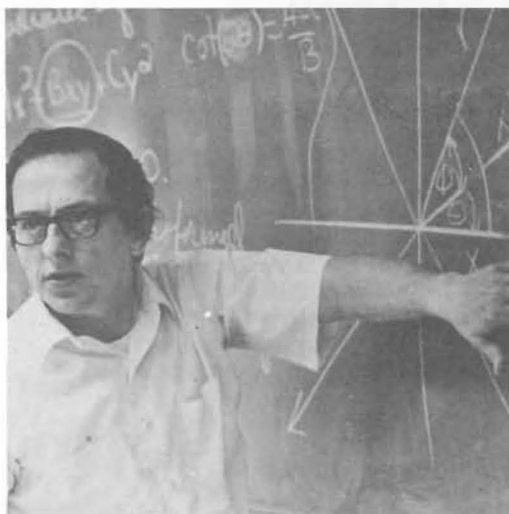
This master's program might be completed in one academic year of full-time work and one summer to complete the research. Limited course offerings are available in the summer session and in the late afternoon and evening program of the University.

### ADMISSION REQUIREMENTS AND PROCEDURES

The applicant must hold a bachelor's degree with 32 semester hours in mathematics and science of which at least 16 semester hours or the equivalent must be in the area of his major concentration.

### COURSES OF INSTRUCTION

The courses of study are listed in the University Catalog. Selected courses numbered 300, 400, and 500, unless otherwise designated, may be accepted for graduate credit. All courses accepted for master's degree programs are, however, subject to the approval of the student's adviser or advisory committee.



**ACADEMIC ADMINISTRATION**

Acting President	Richard Jungkuntz
Provost	Richard Jungkuntz
Chairman, Division of Humanities	Curtis E. Huber
Chairman, Division of Natural Sciences	William P. Giddings
Chairman, Division of Social Sciences	Johannes A. Schiller
Dean of Graduate and Summer Studies	Richard D. Moe
Dean of the School of Business Administration	Gundar J. King
Dean of the School of Education	Kenneth A. Johnston
Director, School of Fine Arts	Richard D. Moe
Director, School of Nursing	Doris G. Stucke
Director, School of Physical Education	David M. Olson

\*\*\*\*\*

Director of Admissions	James Van Beek
Librarian	Frank H. Haley
Registrar	Charles T. Nelson
Vice President – Finance and Operations	Perry B. Hendricks, Jr.
Vice President and Dean for Student Life	Philip E. Beal
Director of Collegium	Harvey Neufeld

**GRADUATE COUNCIL  
1974–75**

Graduate Committee	Membership	Term Expires
Science and Mathematics	Dr. William Giddings	1975
	Dr. Burton Ostenson	1975
	Dr. Kenneth Batker	1976
	Dr. Clarence Jacobs	1976
	Dr. JoAnn Jensen	1977
Social Sciences	Dr. Dwight Oberholtzer	1975
	Dr. Erving Severtson	1975
	Dr. James Halseth	1976
	Dr. Paul Ulbricht	1977
	Dr. Johannes Schiller	1977
Humanities	Dr. Gunnulf Myrbo	1975
	Dr. Rodney Swenson	1975
	Dr. Curtis E. Huber	1976
	Dr. Paul Benton	1977
	Dr. William Becvar	1977
Business Administration	Dr. Davis Carvey	1975
	Dr. Stuart Bancroft	1976
	Dr. Dwight Zulauf	1976
	Dr. John Dobbie	1977
	Dr. Roger Nibler	1977
	Mr. Henry Kuhlman (advisory member)	
Education	Dr. Kenneth Johnston	1975
	Dr. Carrol DeBower	1975
	Mr. Arne Pederson	1976
	Dr. Jane Williamson	1976
	Dr. Franklin Olson	1977
Music	Mr. Gordon Gilbertson	1975
	Dr. Calvin Knapp	1976
	Dr. Jerry Kracht	1976
	Dr. Larry Meyer	1977
	Mr. David Robbins	1977

The Librarian serves as advisory member to each of the above committees, and the Dean of Graduate Studies serves as ex-officio member to each committee.

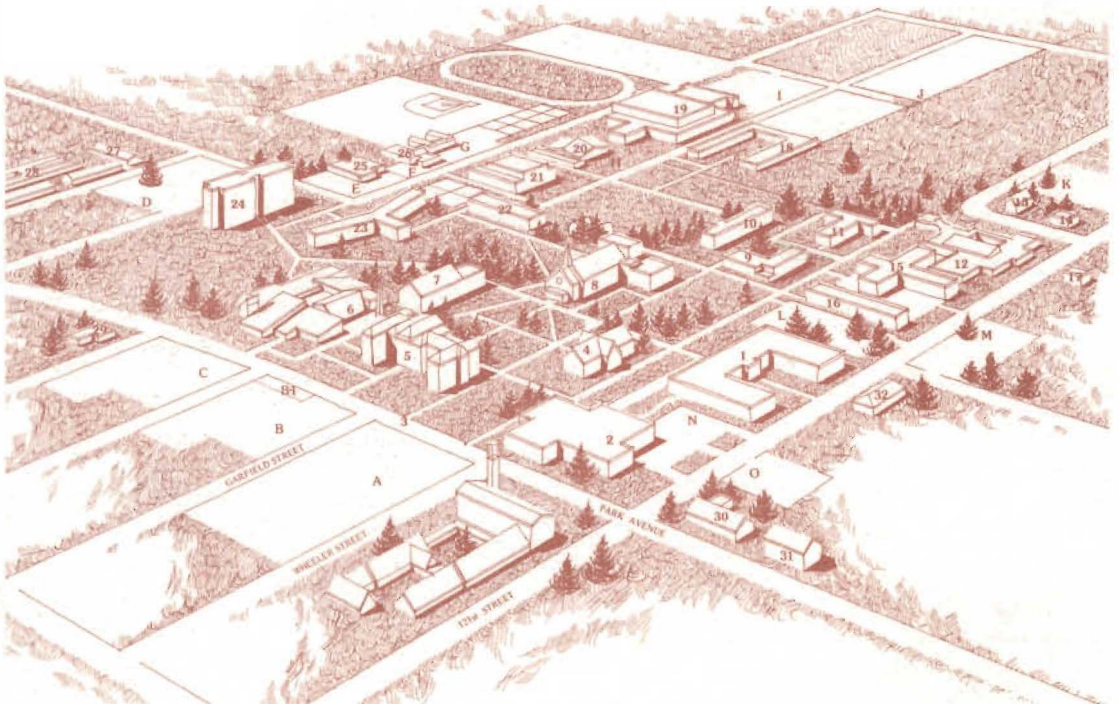
**Pacific Lutheran University  
Buildings**

- 1) Tacoma Pierce County Administration Building: Administration offices, faculty offices, classrooms.
- 2) Mortvedt Library: University stacks, archives, study carrels, photo lab, computer center and offices.
- 3) Main Entrance
- 4) Xavier Hall: Classrooms, faculty offices, central services, campus post office.
- 5) Harstad Hall: Residence unit for 254 women.
- 6) University Center: Houses University information booth, ticket office, Commons; private dining rooms; Chris Knutzen Fellowship Hall; coffee shops; bookstore; student government offices; recreational facilities: bowling and billiards.
- 7) Ramstad Hall: Science laboratories, classrooms, offices, technical library and museum.
- 8) Eastvold Auditorium: Auditorium seating 1,238 persons for cultural programs, concerts and plays; classrooms, studios for speech and music departments, Tower Chapel.
- 9) Hong Hall: Co-ed residence unit for 115 men and women.
- 10) Hinderlie Hall: Residence unit for 130 men.
- 11) Kreidler Hall: Residence unit for 122 women.
- 12) Aida Ingram Hall: Lecture hall, classrooms and offices for School of Nursing and Department of Art.
- 13) Ramsey House: Nursing offices.
- 14) Haavik House
- 15) Ordal Hall: Co-ed residence unit for 185 men and women.
- 16) Stuen Hall: Co-ed residence unit for 110 men and women.
- 17) Music Annex
- 18) Maintenance Building
- 19) Clifford Olson Auditorium: Seating for 3,500 in auditorium and for athletic contests; 185-foot stage; squash and handball courts; weight training room; Astro-turf fieldhouse; wrestling gymnasium; classrooms and offices for the School of Physical Education.

- 20) Swimming Pool: Indoor swimming pool, locker and shower rooms.
- 21) Memorial Gymnasium: Sports arena, sauna and women's locker rooms.
- 22) Foss Hall: Co-ed residence unit for 188 men and women.
- 23) Pflueger Hall: Residence unit for 200 women.
- 24) Tingelstad Hall: Co-ed residence unit for 396 men and women.
- 25) Columbia Center: Cafeteria, coffee shop, bakery, golf pro shop for the University's nine-hole golf course.
- 26) Ivy Hall: Faculty offices.
- 27) Delta Hall: Co-ed residence unit for 40 men and women.
- 28) Evergreen Court: Married student housing.
- 29) Alumni House: Religious Life Office, Alumni offices.
- 30) Student Health Center
- 31) Park Avenue House
- 32) Faculty House

**Pacific Lutheran University  
Parking Lots**

- A Library Lot
- B Harstad Lot
- B1 Visitors Only Section
- C University Center Lot
- D Tingelstad Lot
- E Columbia Center Lot
- F Ivy (2) Lot
- G Ivy Lot
- H Swimming Pool Lot
- I Olson Lot
- J Olson Annex Lot
- K Wheeler Lot
- L West Administration Lot
- M Northwest Administration Lot
- N East Administration Lot
- O Health Center Lot



Dean of Graduate Studies  
Pacific Lutheran University  
Tacoma, Washington 98447

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