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1961-1962 Graduate School of Arts and Sciences Bulletin

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UNIVERSITY *of* DAYTON

BULLETIN

1961-1962

INFORMATION

PROGRAMS

COURSES OF INSTRUCTION



GRADUATE SCHOOL
of
ARTS
and
SCIENCES

UNIVERSITY *of* DAYTON

DAYTON 9, OHIO

Telephone: BALdwin 2-6721



The
GRADUATE SCHOOL
of
ARTS *and* SCIENCES

1961-1962



Office of the Dean: St. Mary's Hall, Room 204; Tel. Ext. 317

TABLE OF CONTENTS

GOVERNING BODIES	
Board of Trustees.....	4
Associate Board of Lay Trustees.....	4
Administrative Council.....	4
Academic Council.....	4
Graduate Committee of Arts and Sciences.....	4
Departmental Graduate Committees.....	5
FACULTY	5
ACADEMIC CALENDAR	6
THE GRADUATE SCHOOL OF ARTS AND SCIENCES:	
Retrospect and Prospect.....	7
Statement of Purpose.....	8
Admission:	
General Conditions for all Degrees.....	8
Classification of Students after Admission.....	8
Degrees.....	9
Specific Requirements for all Degrees.....	9
Procedures:	
Application for Admission.....	11
Additional Procedures for Foreign Students.....	11
Deadlines for Applications.....	12
Notification of Acceptance and of Status.....	12
Registration.....	12
Expenses.....	12
The Master's Program of Study:	
Chemistry.....	15
History.....	16
Mathematics.....	17
Theology.....	19

1961
JUNE

S	M	T	W	T	F	S	
					1	2	3
4	5	6	7	8	9	10	
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JAMES G. STEED, Ph.D., *Chemistry*

1961 — 1962
ACADEMIC CALENDAR

For graduate bulletin, application forms, and further information, write to the DEAN of the GRADUATE SCHOOL OF ARTS AND SCIENCES.

Application for admission to graduate studies should be filed at least one month prior to the start of the semester. Early application is in the interest of the student.

April 22, Saturday (9:00 a.m.)	Graduate Record Examination at Guidance Center
June 17, Saturday (9:00—11:00 a.m.)	Advance Registration
June 24, Saturday (9:00—11:00 a.m.)	Registration
June 26—August 5	Regular summer session period
July 8, Saturday (9:00 a.m.)	Graduate Record Examination at Guidance Center
Sept. 5, 6, 7 Tues., Wed., Thurs. (5:00—8:30 p.m.)	Registration for evening students
Sept. 14, Thursday (4:00 p.m.)	Evening classes begin
Sept. 15, Friday (8:00 a.m.)	Day classes begin
Sept. 21, Thursday	Last day for late registration
Sept. 23, Saturday	Last day for change in schedule
Nov. 1, Wednesday	Feast of All Saints. No classes
Nov. 22, Wednesday	Thanksgiving recess begins after last day class
Nov. 27, Monday	Classes resume
Dec. 8, Friday	Feast of the Immaculate Conception. No classes
Dec. 15, Friday	Christmas recess begins after last evening class
Jan. 3, Wednesday	Classes resume
Jan. 20, Saturday (9:00 a.m.)	Graduate Record Examination at Guidance Center
Jan. 30, 31 Tuesday, Wednesday (5:00—8:30 p.m.)	Registration for evening students
Feb. 5, Monday	First day of class
Feb. 10, Saturday	Last day for late registration
Feb. 12, Monday	Last day for change in schedule
March 3, Saturday (9:00 a.m.)	Graduate Record Examination at Guidance Center
April 17, Tuesday	Easter recess begins after last evening class
April 25, Wednesday	Day and evening classes resume
April 28, Saturday (9:00 a.m.)	Graduate Record Examination at Guidance Center
May 30, Wednesday	Memorial Day. No classes
May 31, Thursday	Feast of the Ascension. No classes
June 2, Saturday	Graduation exercises

THE GRADUATE SCHOOL OF ARTS AND SCIENCES

I. RETROSPECT AND PROSPECT:

The first organized program of graduate work at University of Dayton was set up in the summer of 1939. It was modest in its beginnings, being limited to offerings in the fields of Education and English. This summer program was continued immediately in the regular school year of 1939-40, with an additional field in Philosophy. The faculty and students of the new unit formed a distinct division, having its own administration and its own objectives within the general framework of the educational policies of the University.

In the summer of 1942 the offerings of the Graduate Division were further extended to include the fields of Economics and Psychology, and in January of 1943 Political Science was added.

The content, policies, and scope of the graduate work at the University of Dayton grew out of the discussions and under the guidance of the Graduate Council of Ohio, particularly those held at Columbus in 1939, and out of the needs and demands of students in the Dayton area.

In this form the graduate division of the University carried on a successful program of work until 1949, when it was temporarily discontinued by the University on its own initiative, in order to devote all its facilities and personnel to the rapidly expanding undergraduate enrollment that flooded the campus after World War II.

During the period from 1945 to 1956, the University, therefore concentrated its efforts on strengthening the undergraduate program in its facilities and faculty, having in view at all times the resumption of graduate work at the earliest possible date.

In 1956-57 a searching self-survey of the University was conducted, followed by an intensive program of self-improvement over the succeeding years, that gave ground for taking up again, with prudence and discretion, the kind of advanced work which the very name "University" connotes.

Accordingly, with clearance from the North Central Association of Colleges and Secondary Schools, and with the authorization of the State Department of Education of Ohio, the graduate work of the University of Dayton was re-activated in the summer of 1960, with three distinct programs in the field of Education, leading toward a Master of Science in Education degree.

The University of Dayton did not intend by this action to limit its graduate work to that one field. It purposes, with the publication of this Bulletin, to expand its graduate offerings and, in fact, to organize, by degrees, a Graduate School of Arts and Sciences. This venture will be inaugurated by those departments which have been cleared for advanced work through a rigorous investigation by a Committee on Graduate Studies, specifically created for that purpose. In the following pages, the Departments that are ready for graduate work present programs that will be launched, for the most part, in the summer session of 1961 or in the school year of 1961-1962.

II. STATEMENT OF PURPOSE:

A graduate school should have an end or purpose that distinguishes it from every other type or level of educational institution.

Through its faculty, it seeks to create and maintain an academic atmosphere that is essential to graduate work. Its influence, therefore, extends first to its own membership, by promoting all forms of scholarly activity.

It labors further to give to its students a thorough grasp of a chosen field of knowledge, special skills in methods of research, and sharpened powers of independent thought. Under the guidance and inspiration of a scholarly staff, students are given the constant use of library, laboratories, and other educational facilities. Above all, a graduate student is expected to bring marked initiative to his work and to assume full responsibility for the progress of his studies. The courses of instruction can be no more than the point of departure and a basis for wide reading and personal investigation.

The number of credit hours demanded for a graduate degree is merely the material requirement; the form and substance of graduate work are conceived as the mastery of a subject-matter with understanding of its relations to kindred branches of knowledge.

In short, graduate work, for the student at the University of Dayton, has for its purpose an integrated program of advanced study based on adequate undergraduate preparation in a field of study with other supporting fields; it presupposes academic and personal maturity and makes more than average demand upon the initiative, the industry, and the scholarship of the candidates for an advanced degree.

III. ADMISSION:

1. GENERAL CONDITIONS FOR ALL DEGREES:

Graduates with the degree of bachelor from an accredited college or university will be considered for admission to the Graduate School. Applicants must have a minimum 2.75 average, on the basis of a four point system, for their overall undergraduate record, and a 3.0 average in their major field of study.

2. CLASSIFICATION OF STUDENTS AFTER ADMISSION:

A. *Regular students:* Those who have met satisfactorily all general and specific requirements of the Graduate School of Arts and Sciences and of the Department in which the student is accepted.

B. *Special students*, including:

a. Those on conditional status, that is to say, applicants who must fulfill some pre-requisite imposed by the Graduate School, or by the Department, before their admission to regular status.

b. Auditors, that is, properly qualified students who wish to follow graduate courses without working toward a degree. Auditors may be admitted to graduate courses with the permission of and under the conditions required by the instructor. Tuition for auditors is the same as for regular students. No academic credit is allowed for auditing courses.

c. Those properly qualified students working toward a degree in another institution who are authorized by the Dean of that institution to

take specific courses at the University of Dayton, for transfer of credit. Such students must satisfy all the registration requirements in the given course that are mandatory for students working toward a degree at the University of Dayton.

3. DEGREES:

The Graduate School of Arts and Sciences offers advanced studies leading to a degree of MASTER OF ARTS and MASTER OF SCIENCE. Candidates for these degrees may choose to pursue graduate work in the Departments having courses listed in the following pages of this Bulletin.

4. SPECIFIC REQUIREMENTS FOR ALL DEGREES:

A. *Course Requirements:* All Departments offer a program variously distributed in time, leading to the Master's degree. Depending upon the Department, candidates may qualify for this degree either by completing successfully twenty-four credit hours and submitting an acceptable thesis, or by completing successfully thirty credit hours in course work, in accordance with the conditions outlined under departmental requirements.

B. *Residence Requirement:* Residence is interpreted and required in terms of a regular academic year (two semesters of a full-time schedule of twelve credit hours), or in terms of four summer sessions. Students must be in residence while writing a thesis. Neither course work nor thesis will be given by correspondence. In short, residence requirements call for the equivalent of time normally demanded by the successful completion of twenty-four credit hours of graduate work.

C. *Time Limit:* All requirements for a Master's Degree must be satisfied within seven calendar years from the time of admission to full graduate status.

D. *Graduate Work in Other Institutions:* Graduate work completed successfully at other recognized institutions may be offered in partial fulfillment of course requirements, with the approval of the Dean of the Graduate School and the Chairman of the Department. Students must submit an official transcript of credits before requesting recognition and approval of transfer credits for strictly graduate courses; not more than six credits can be allowed in transfer*. Transfer of credits will be accepted only provisionally until the student has successfully completed twelve credits of graduate work at the University of Dayton. Every case of transfer of graduate work at the University of Dayton will be handled on an individual basis, as determined by the Chairman of the Department and approved by the Dean of the Graduate School.

E. *Language Requirement:* A reading knowledge of a foreign language may be required for a Master's degree, at the discretion of the Department. Language courses for the convenience of graduate students can be had by special arrangement on a class or tutorial basis, through the Director of the Evening Classes. No graduate credit is allowed for the fulfillment of language requirements.

*During the initial year of operation of any program, exceptions to this limitation may be made with the approval of the Dean of the Graduate School.

F. *Grades and Examinations:* Marks are expressed on the student's permanent record by the following letter grades:

A—Excellent	4 quality points
B—Good	3 quality points
C—Passing	2 quality points
F—Failing	No quality points

Graduate students must maintain a general 3-point average to be eligible for candidacy and for the comprehensive examination.

G. *Admission to Candidacy:* It is the student's responsibility to apply for admission to candidacy. Application blanks may be obtained from the Dean's office. Application for admission to candidacy shall be made as soon as the student has successfully completed twelve hours of graduate courses and has fulfilled all the requirements heretofore mentioned.

H. *Comprehensive Examinations:* A comprehensive examination is required by all Departments for the Master's degree. The examination may be oral or written, or both, as required by the Chairman of the student's major department. Applications for all comprehensive examinations must be approved by the Chairman of the Department at least two weeks prior to the examination. Students who fail in a comprehensive examination may, on the recommendation of the Chairman of the Department, be admitted to a second examination, but not sooner than the next semester or summer session, and not later than one calendar year. If a second examination is unsatisfactory, no further trial can be admitted.

I. *Thesis:* In those departments requiring a thesis or an equivalent project, the work may not be undertaken without the approval of the Chairman or of an advisor delegated by the Chairman. Students must be in residence while writing a thesis. Both the form and the content of the thesis must have the approval of three members of the Department, including the faculty advisor and the Chairman.

Three final copies of an approved thesis in correct form must be submitted by the student to the Dean's Office on or before the date specified in the Graduate School calendar.

Theses may not be published, in whole or in part, without the approval of the Graduate School.

J. *Withdrawal:* Any withdrawal or change of course after the last date of late registration is allowed only with the written permission of the Chairman of the Department. Such change of course or withdrawal must be filed with each office that has a record of the student's admission form.

The Dean of the Graduate School of Arts and Sciences reserves the right to review at intervals the work of its graduate students, and, in consultation with the Chairman of the Department, to recommend that those who are not doing work of a high caliber be advised to discontinue courses leading to a degree.

K. *Separation from the University:* Separation from the University may follow upon graduation, withdrawal by the student, or dismissal.

The admission of candidates, their continuance and status, the awarding of academic credits, and the granting of a degree, are all subject to the

ordinary regulatory powers of the University. It reserves the right to cancel, at its discretion, any of these privileges for reasons considered sufficient by its own governing body.

The disciplinary authority of the University is vested in the President by right, and in the Deans and other officers on whom jurisdiction may be conferred for specific cases and in restricted areas. For graduate students, this authority may be exercised on a delegated basis by the Dean of the Graduate School and his Committee.

L. *Transcripts of Records:* For transcripts of records, application should be made to the Office of the Registrar of the University. Transcripts are issued only as requested by the student. In normal periods of the calendar year, excluding principally registration or examination periods, a time allowance of a week should be made for the preparation of a transcript. The first copy requested after graduation will be issued gratis. For each additional record, a fee of \$1.00 will be charged.

IV. ROUTINE PROCEDURES:

1. APPLICATION FOR ADMISSION:

A. Inquiries concerning admissions and requests for application forms should be addressed to the Dean of the Graduate School of Arts and Sciences.

B. The application blank should be filled out completely and returned promptly to the Office of the Dean of the Graduate School.

C. In addition to the application form, a prospective student should provide these documents:

a. A transcript or transcripts of all his undergraduate and graduate work, mailed directly by the Registrar of the institution where this work was done, to the Dean of the Graduate School of Arts and Sciences.

b. If necessary, supplementary transcripts showing completion of work by senior undergraduates who have made application for admission before obtaining a degree.

c. Three letters of recommendation from persons qualified to judge the candidate as a prospective graduate student. These letters should be mailed directly to the Dean of the Graduate School.

d. Scores on the general aptitude and major subject sections of the Graduate Record Examinations. Students lacking such documents can obtain the service of a Graduate Record Examination at the University of Dayton in the Guidance Center, St. Mary's Hall, Room 403-22, at times indicated in the Bulletin of the Graduate School of Arts and Sciences.

2. ADDITIONAL PROCEDURES FOR FOREIGN STUDENTS:

Qualified students from foreign countries may be admitted to the Graduate School of Arts and Sciences to follow courses for which they are prepared, and, if found capable, to pursue a program leading to a degree. In addition to the information required of all students, the foreign student must submit with his application for admission: (1) a statement from a qualified official that the applicant can read, write, speak, and understand English sufficiently to pursue a program of graduate work in the field of his choice (exception being made for those whose native language is English); (2) a statement certified by a responsible person or group that his finances

are sufficient to maintain him while in residence; (3) a statement by a responsible medical authority certifying to the student's physical, mental, and emotional balance adequate for the work he intends to undertake.

3. DEADLINES FOR APPLICATIONS:

The application for admission to the Graduate School should be submitted to the Dean not later than August 15th for the fall semester, by January 1st for the spring semester, and by May 12th for the summer session.

It is the responsibility of the student that his application, with all the necessary supporting documents, be complete and in order before the specified dates, if he is to be admitted to full status.

4. NOTIFICATION OF ACCEPTANCE AND OF STATUS:

Upon approval of his application, the student will receive an acceptance form, which he is to fill out and return to the Office of the Dean of the Graduate School of Arts and Sciences. The full process of admission is not complete until the student has signified his concurrence with the conditions set down in this Bulletin, by attaching his signature to and returning the acceptance form.

Applicants to the Graduate School may be offered regular or special status. Details concerning the kinds of student status are given in this bulletin under the general title of ADMISSIONS, sub-title CLASSIFICATION OF STUDENTS, Section III, No. 2.

5. REGISTRATION is required of (a) all students who enter course work for credit; and (b) all students who wish to audit courses.

A. *Registration Procedure:* On receipt of notification of admission to the Graduate School of Arts and Sciences, the student must consult with the Chairman of the Department in which he elects his major program of studies. The Chairman will issue a permit for the number and kind of courses for which the student may register.

B. *Late Registration:* Closing dates for late registration and change of schedule are listed in the academic calendar of this Bulletin.

6. EXPENSES:

A. *General Information:*

It is a general rule of the University that tuition and laboratory fees are payable before attendance at any instructional or laboratory period, unless exceptional arrangements have been made with the Business Manager of the University and cleared by him in writing through the Office of the Treasurer.

No student will be admitted to class without a class admission card.

All fees are subject to change at the discretion of the Trustees of the University.

Applications for refunds on any kind of fees will be given consideration only within the limits of time and amount set by the general rules of the University.

Where voluntary withdrawal, dismissal, illness, physical disability, or any extraordinary contingencies require a student to leave, he must notify the Dean of the Graduate School.

B. *Veterans:* Veterans admitted to the Graduate School of Arts and Sciences must submit with their formal registration the Certificate of Eligibility for studies by the V.A. under Title 38, United States Code. Lacking the necessary document applicable to his case, the prospective student must register as a non-veteran and pay the required tuition and fees.

Application for benefits under Title 38, United States Code, is made at the Veterans Administration in Cincinnati. Advice and consultation for veterans may be had at the Veterans Service Office of the University in St. Mary's Hall.

C. *Tuition and Fees:*

Tuition for selected upper-division (300-400) undergraduate courses:
Per registered credit hour for lecture course...\$24.00-\$30.00

Tuition for graduate (500) courses:
Per credit hour for lecture course.....\$24.00-\$30.00

Fees:

Registration.....	\$ 2.00
Penalty for late registration.....	\$ 5.00
A second comprehensive examination.....	\$25.00
A second language examination.....	\$10.00
A deferred semester examination.....	\$ 5.00
Graduation: Master's degree.....	\$25.00
Transcripts: First transcript.....	No Charge
Each subsequent transcript.....	\$ 1.00

DEPARTMENTS AND COURSES OF INSTRUCTION

In the following pages the Departments that have been readied for programs of graduate work present:

1. The aims of the Department in offering graduate work.
2. Specific departmental requirements for the Master's degree.
3. The sum total of courses to be made available by each Department as opportunity and demand dictate.

The programs herein described are tentative. If the enrollment or any other serious reason does not warrant their being given as listed, the University reserves the right to change, defer, or cancel any offerings at its own discretion.

For more detailed information, write to the
DEAN OF THE GRADUATE SCHOOL
UNIVERSITY OF DAYTON

DAYTON 9, OHIO
or telephone: Office of the Dean of the Graduate School
BALDWIN 2-6721, Ext. 317

THE MASTER'S PROGRAM IN CHEMISTRY

I. STATEMENT OF PURPOSE:

The purpose of the Master's program in Chemistry is to present to the student a rigorous approach to modern theories in Chemistry, and to increase his desire and potential toward fundamental research through a program of literature search and laboratory experimentation.

II. SPECIFIC REQUIREMENTS OF THE DEPARTMENT:

1. UNDERGRADUATE PRE-REQUISITIES:

The undergraduate pre-requisites shall be the minimum requirements specified by the American Chemical Society. Those students who have graduated from A.C.S. approved schools will have fulfilled these requirements. Others might have to take certain courses concurrently from the undergraduate program to meet A.C.S. requirements.

2. UNDERGRADUATE COURSES OPEN TO GRADUATE STUDENTS:

Credit for certain undergraduate non-Chemistry electives may be allowed at the discretion of the Chairman of the Department.

3. SEMINAR:

Seminars will be held during the course of the year. No credit will be given.

4. REQUIREMENTS IN TERMS OF CREDIT HOURS FOR THE MASTER'S DEGREE IN CHEMISTRY:

Twenty-four credit hours of course work and six credit hours of research are required. A thesis based on the research, which may be an exhaustive literature search, is required. Every thesis must be approved by a Thesis Committee, appointed by the Chairman of the Department.

The following courses are required:

CHM 503	Advanced Inorganic Chemistry
CHM 504	Advanced Inorganic Chemistry
CHM 505	Advanced Organic Chemistry
CHM 506	Advanced Organic Chemistry
CHM 507	Advanced Physical Chemistry
CHM 508	Advanced Physical Chemistry
CHM 520-21	Research

Electives: Six hours of electives which may be taken from the following listing are required. Other electives may be chosen with the approval of the Chairman of the Chemistry Department.

CHM 511	Biochemistry
CHM 512	Biochemistry
MTH 301	Differential Equations
MTH 421	Advanced Calculus I
PHY 420	Introduction to the Solid State
PHY 440	X-Rays

III. PROGRAM:

The program is designed so that part-time students will be able to obtain the Master's degree in five semesters of late afternoon and evening sessions. The course offerings for 1961-1962 are as follows:

September 1961:

- CHM 503 Advanced Inorganic Chemistry
- CHM 505 Advanced Organic Chemistry

February 1962:

- CHM 504 Advanced Inorganic Chemistry
- CHM 506 Advanced Organic Chemistry

THE MASTER'S PROGRAM IN HISTORY

I. STATEMENT OF PURPOSE:

The Department of History through its graduate program seeks to develop in the student that combination of mature judgment and scholarly competence associated with the ability to make, compare, test, and evaluate historical conclusions and interpretations.

As a secondary purpose, the program is designed to prepare the student for a successful career in teaching, government service, or specific fields of private endeavor.

II. SPECIFIC REQUIREMENTS OF THE DEPARTMENT:

1. UNDERGRADUATE PRE-REQUISITES:

Applicants for the graduate program in History must have completed a total of twenty-four semester credit hours of History, and must have achieved a grade point average of at least 3.00 in all History courses.

2. NUMBER AND KIND OF COURSES ALLOWED FOR ADVANCED UNDERGRADUATE AND GRADUATE STUDENTS:

A maximum of six graduate credit hours may be taken from the upper level course offerings of the Department of History. These are the 300 and 400 courses listed in the University catalog.

Courses for which undergraduate credit has been allowed may not be repeated for graduate credit.

History 401 may not be taken for graduate credit.

3. COURSES REQUIRED OF ALL STUDENTS IN THE MASTER'S PROGRAM IN HISTORY:

The following courses are required for the M. A. degree in History:

- a. Hst 500 Historiography
- b. Hst 510 Seminar in Historical Method
- c. Hst 545 Seminar in Non-American History, or
Hst 595 Seminar in American History

4. CREDIT HOUR REQUIREMENT FOR THE M. A. DEGREE IN HISTORY:

A minimum of thirty semester credit hours in History is required for the Master's degree in History. Nine semester credit hours must be taken from the list of required courses; fifteen semester credit hours may be taken

from the list of subject matter courses; six semester credit hours must be taken in the thesis course (Hst 599).

5. CREDIT HOURS IN AN ALLIED FIELD:

Six semester credit hours may be taken in an allied field upon approval of the Chairman of the Department.

6. THESIS REQUIREMENT:

A thesis is required of all candidates for the Master's degree in History. A maximum of six semester credit hours will be granted for the successful completion of the thesis (Hst 599).

III. COURSES OF INSTRUCTION:

- Hst 500 Historiography
- Hst 501 Greek and Roman Civilization
- Hst 506 Medieval Civilization
- Hst 510 Seminar in Historical Method
- Hst 511 The Age of the Crusades
- Hst 520 Tudor England
- Hst 531 The Civilization of the Far East
- Hst 545 Seminar in Non-American History
- Hst 550 The Philosophy of History
- Hst 555 The Immigrant in America
- Hst 561 Populism and Progressivism, 1890-1917
- Hst 570 The Old South
- Hst 580 History of the Labor Movement in the U. S.
- Hst 585 American Science and Technology
- Hst 595 Seminar in American History
- Hst 599 Thesis

In addition to the above courses, a maximum of six graduate credit hours (two courses) may be taken from the 300 and 400 courses listed in the University catalog.

THE MASTER'S PROGRAM IN MATHEMATICS

I. STATEMENT OF PURPOSE:

The Department proposes to inaugurate graduate studies in Mathematics in order to give an opportunity for properly prepared persons to acquire skills in those branches of Mathematics normally studied after the Baccalaureate degree. The curriculum is intended to serve as a firm basis for doctoral studies and research.

II. SPECIFIC REQUIREMENTS OF THE DEPARTMENT:

1. UNDERGRADUATE PRE-REQUISITES:

- MTH 301 3 hours
- MTH 361 3 hours
- MTH 421-422 6 hours

NOTE: Other courses in Advanced Analysis may replace MTH 422 in this requirement.

2. All 400 courses in the Department may be allowed for graduate students in Mathematics, except MTH 421.

3. OBLIGATORY CORE COURSES:

MTH 521-522	6 hours
MTH 525	3 hours
MTH 561 or 565	3 hours
MTH 471 or 571	3 hours
	<hr/> 15 hours

4. REQUIREMENTS FOR DEGREE:

Thirty hours, as follows:

15 hours core courses required.

9 hours maximum of advanced undergraduate courses chosen from 400 courses.

6 hours minimum of 500 or 600 courses in Department in addition to the 15 hours of core courses.

6 hours maximum of approved courses outside of Department.

5. A thesis with a maximum of six credit hours shall be permitted only in exceptional cases.

6. No foreign language as such shall be required, but the students may expect to be assigned reading from Journals and Reference Works in French or German.

III. COURSES OF INSTRUCTION:

MTH 411-412	Probability and Statistics
MTH 417	Numerical Analysis
MTH 421-422	Advanced Calculus (MTH 421 not offered for graduate credits to students in Mathematics.)
MTH 431	Vector Analysis
MTH 432	Fourier Series
MTH 461	Complex Variables
MTH 465	Modern Operational Methods
MTH 471	Topology
MTH 521-522	Real Variables
MTH 525-526	Complex Variables
MTH 531-532	Advanced Differential Equations
MTH 535-536	Partial Differential Equations
MTH 541-542	Operational Methods
MTH 545	Special Functions
MTH 551-552	Methods of Mathematical Physics
MTH 555-556	Advanced Numerical Analysis
MTH 561	Abstract Algebra
MTH 565-566	Linear Algebra and Matrices
MTH 571-572	Linear Topological Spaces
MTH 575	Differential Geometry

THE MASTER'S PROGRAM IN THEOLOGY

I. STATEMENT OF PURPOSE:

The graduate program of Theology, leading to the degree of Master of Arts in that subject, is designed to satisfy the desire of religious and laity for a scientific training in sacred truth. It is of special value to teachers of Christian doctrine, for it provides them with a thorough grasp of the deep realities of Catholic theology, which is essential for effective teaching.

With the truth of the Incarnation as its core, the program follows the traditional curriculum of Catholic theological study. Courses in related fields are likewise offered. Because of the Marianist tradition at the University of Dayton, and the unique facilities afforded by the Marian Library, special programs will be offered in Mariology and the social apostolate. Thus the student will be given the opportunity for a deeper understanding of Catholic theology and an orientation toward his role in the Marian apostolate of the Church.

II. SPECIFIC REQUIREMENTS OF THE DEPARTMENT:

1. UNDERGRADUATE PRE-REQUISITES:

Ordinarily, thirty hours of undergraduate theology and philosophy are required. At least eighteen hours must be in Theology.

2. USE OF ADVANCED UNDERGRADUATE COURSES IN THE GRADUATE PROGRAM:

Not more than six graduate semester credit hours of the student's total graduate program may be selected from designated upper-division courses. All four hundred courses except 405 and 406 are "designated upper-division courses."

3. OBLIGATORY CORE COURSES:

Among the graduate courses, 500 and 501 are courses in "allied fields" and must be taken by all candidates for the Master's degree in Theology.

4. TYPES OF PROGRAMS AND SPECIFIC REQUIREMENTS OF EACH:

The Department offers two programs leading to a Master of Arts in Theology:

a. *An Academic program:* Twenty-four hours of content courses plus six hours for a thesis. The twenty-four hours must include six hours of core courses, twelve hours from a chosen field of concentration, and six hours from the other area of concentration. All who elect this program must have a reading knowledge of a foreign language (Latin, French, German, Italian, or Spanish) in order to pursue profitably the work of a thesis.

b. *A professional program:* Thirty hours of content courses with a monograph on a problem defined in a seminar, preferably toward the end of the student's graduate studies. The thirty hours ordinarily include six hours of core courses, fifteen hours from a chosen major field of concentration, and nine hours from the other area of concentration.

The programs leading to a Master's degree in Theology will be offered only in the Summer Sessions. They can be completed in five Summer Sessions, and must be completed within seven calendar years.

III. COURSES OF INSTRUCTION:

1. *Core Courses:* (six hours) Common to all programs.

- THL 500 Philosophy of Religion
(Pre-requisite—PHL 207).
- THL 501 History of Religion

2. AREAS OF CONCENTRATION: (nine to fifteen hours)

a. *The Advent of the Incarnation:* Mariology

- THL 505 Theology of Incarnation
- THL 520 Role of the Mother of God in the Incarnation
(Pre-requisite—THL 340 or 342)
- THL 521 Privileges of the Mother of God
(Pre-requisite—THL 443 or 444)
- THL 522 History of Mariology
- THL 590 Seminar with monograph
- THL 599 Thesis

b. *The Incarnation in History:* The Church and the Apostolate

- THL 540 The Church of Christ
- THL 541 Church and State
- THL 542 The Catholic Church in America
- THL 543 Missiology: The Missionary Movement in the Church
- THL 544 Theological Perspectives of the Apostolate
- THL 545 Canon Law for the Laity
- THL 590 Seminar with monograph
- THL 599 Thesis

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