

*Madonna
College
Bulletin
1965-67*

COMMUNICATION WITH THE COLLEGE

Post office address:

Madonna College
36600 Schoolcraft Road
Livonia, Michigan 48150

CORRESPONDENCE:

THE PRESIDENT	General interest of the College
THE DEAN	Academic work, withdrawals
THE REGISTRAR	Admission, bulletins, transcripts
THE DEAN OF STUDENTS	Personal welfare, health, housing
THE BUSINESS MANAGER	Student finances

TELEPHONES: Area Code 313

COLLEGE 425-8000
425-8001
534-8280

RESIDENCE HALLS

Angela Hall I 421-9604
Angela Hall II 421-9658
Marian Hall 421-9720

Madonna College



BULLETIN/VOL. 19/1965-1967

CONDUCTED BY THE FELICIAN SISTERS
LIVONIA, MICHIGAN

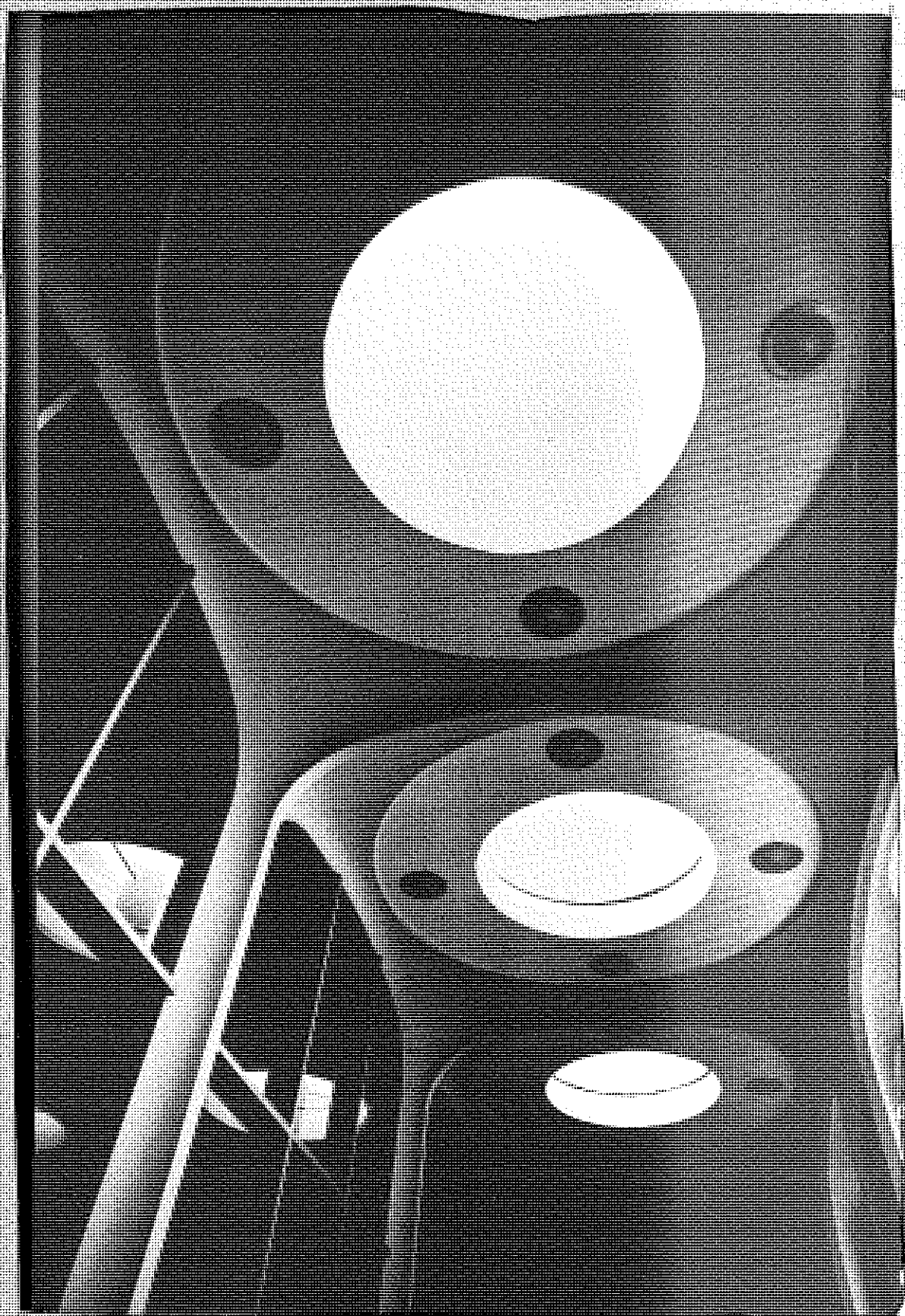
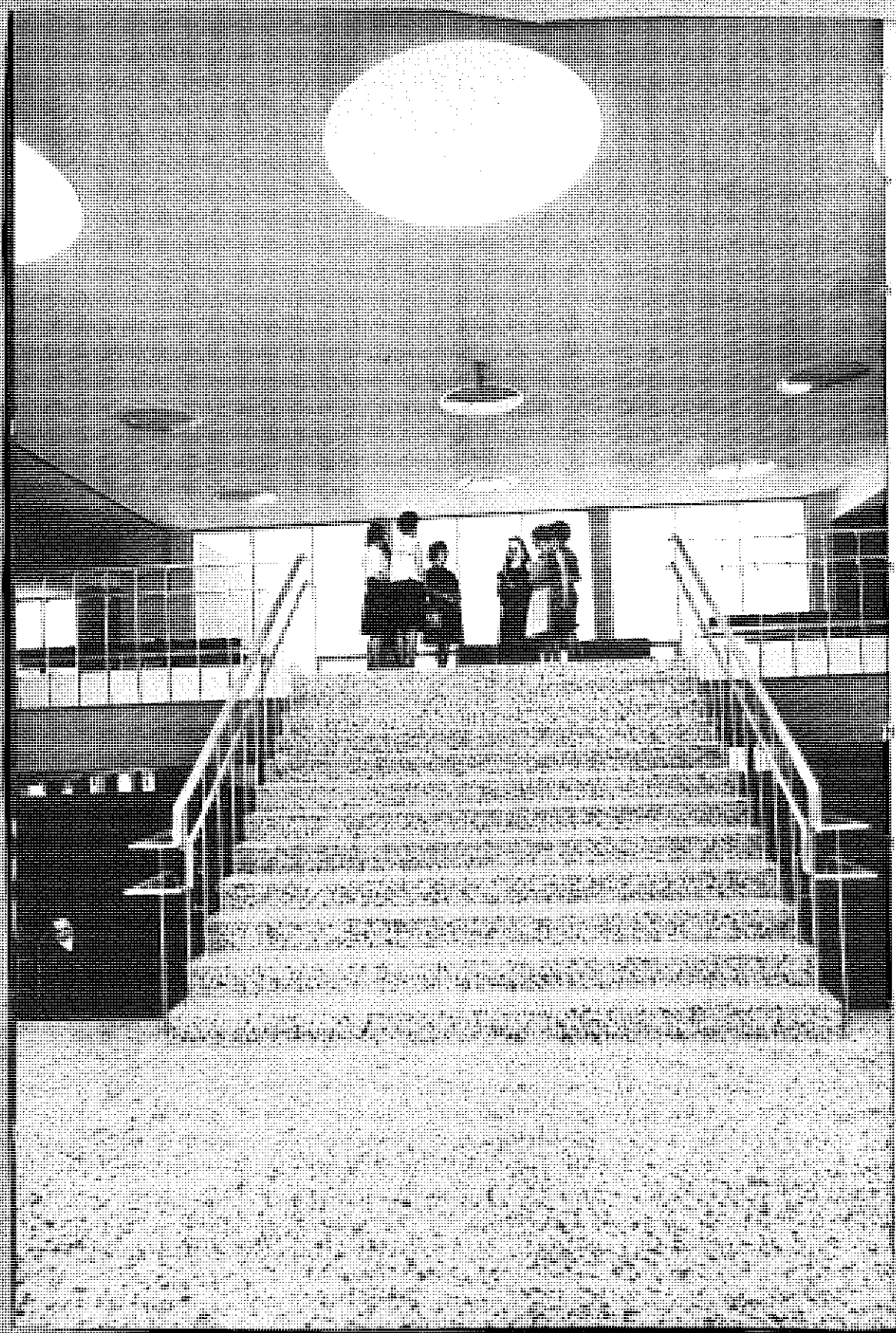


Table of Contents

President's Message	5
A College Grows	7
Admission, Expenses, and Financial Aid	13
Academic Regulations	19
Divisions of Instruction	25
Theology and Philosophy	25
The Humanities	27
Natural Sciences and Mathematics	39
Social Studies	45
Applied Arts and Sciences	49
Directories	59
Academic Calendar	63



President's Message

Two more years have been added to the history of Madonna College. They have been years of construction and expansion, years of challenge and promise.

As we reflect on this page in the history of Madonna College, one thought stands out: it is not the buildings or the physical facilities, important as they are, which make the college. Any institution is only as dynamic and progressive as its constituency makes it.

With deep gratitude today we acknowledge the fact that Madonna College always enjoyed the enlightened involvement of its

. . . Trustees and Administrators who with great solicitude guarded that this quest for knowledge be healthy and hopeful, that it be a part of a quest for wisdom, *Sapientia de Sursum* (Wisdom from Above)—truly a liberal education based on Christian principles;

. . . devoted Faculty to whom every student is a person with potentials to be developed to the fullest capacity; Faculty who resist all pressures and place emphasis on teaching as the only worth-while product of the college and in this manner inspire love of learning in its students;

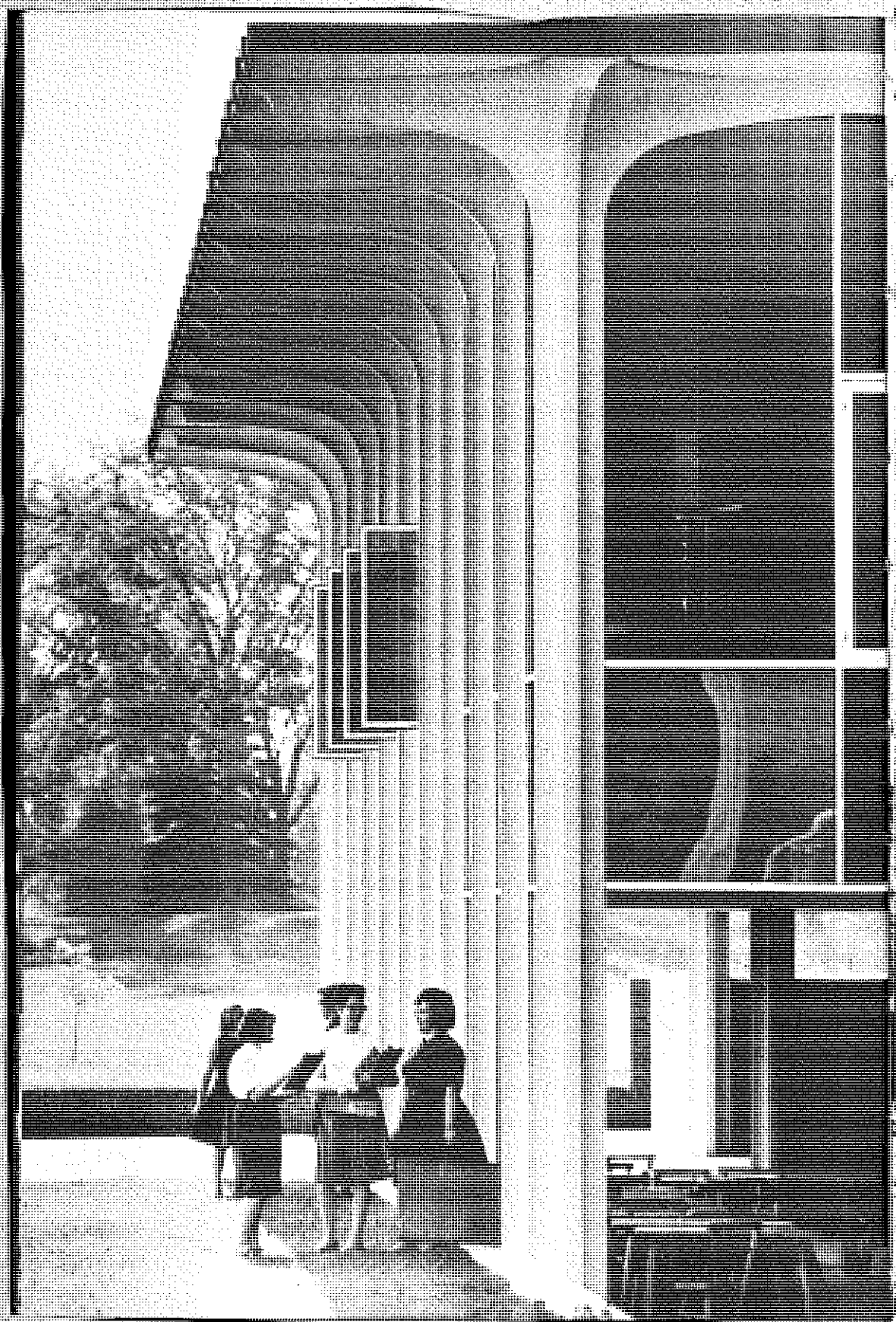
. . . a student body, keen and serious, who accept the traditions and ideals of Madonna College and in an atmosphere of reverence for God, for nature, for themselves, nurture the spirit and intellect which will prepare them for their responsibilities and commitments;

. . . Alumnae, who are constantly giving testimony to their loyalty and gratitude in ever increasing measure;

. . . and Friends—Advisory Board Members, Parents and others—who spare neither time nor talent but with great personal sacrifices promote the welfare of society through higher education of women.

It is quite obvious that any page in the growth and development of Madonna College cannot be represented as the fruition of efforts of a limited number of people in a single year. Each year is just a link between the past and the future—the past which has been realized and future which is a challenge, a promise and a hope.

Without the involvement and interaction of so many, Madonna College would have no history, no heritage, and no hope. We are grateful to so many who have accepted the challenge and are contributing to the history and heritage and fulfilling the ideals and objectives of Madonna College.



A College Grows

PAST

In 1872, there came to this country five Felician Sisters who had the foresight to plan an education for women that anticipated the needs of the space age. By 1882, these women founded the Seminary of the Felician Sisters, incorporated under the laws of Michigan, to train young women in several branches of learning that would prepare them as elementary school teachers.

In 1937, a new curriculum in conformity with the Michigan Teacher Certification Code was prepared, and in 1938 the Presentation of the B. V. M. Junior College was incorporated. In 1943 the College was authorized to recommend its graduates for State Limited Certificates.

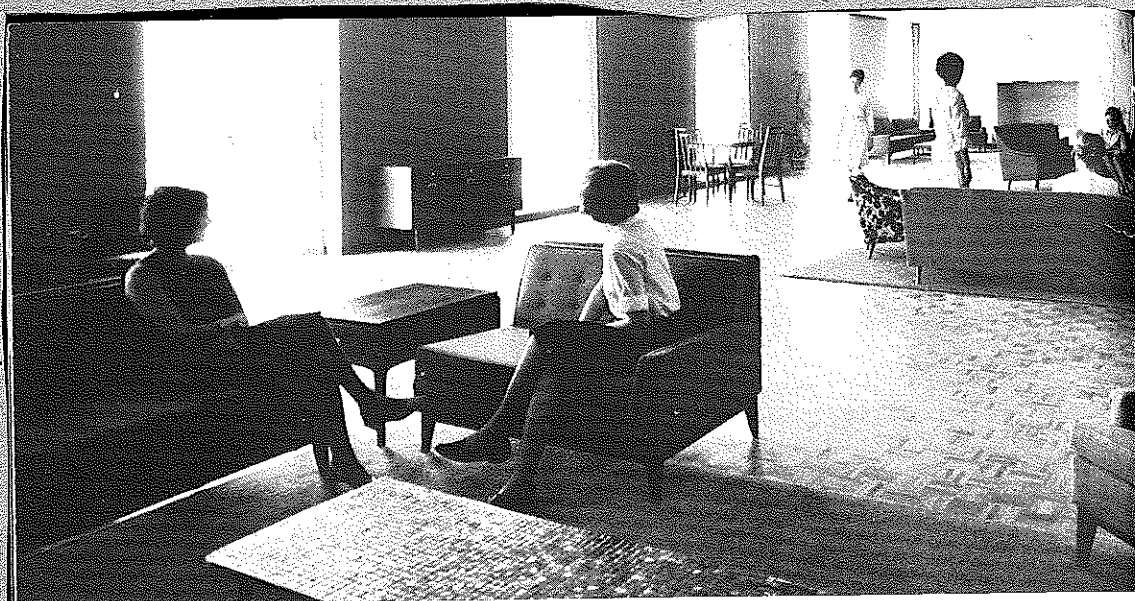
In 1947, the institution amended its articles of incorporation, changed its name to Madonna College, and began operating as a four-year liberal arts college, granting collegiate degrees.

7

PRESENT

Madonna College provides a liberal arts education by helping to form intelligent, dynamic, and cultured women. Since Madonna is concerned with the development of a Christian person who is a competent teacher or nurse, career woman or homemaker, it provides an education with a liberal arts core. The purpose of the program of studies is to open up to the student the reality of man, God, the universe, and to awaken in the student her responsibility to each of these. Madonna is committed in a special way to fields that make a vital contribution to society, that is, teacher education, nursing, and medical technology.

Madonna College offers various opportunities to its students. Among these, the College gives individual counseling—administrative, departmental, extra-curricular—through every phase of students' activities. Madonna also provides a program of pre-professional experiences in teaching, such as, directed teaching on elementary and secondary levels and participation in the activities of the Psycho-Educational Center; in nursing, clinical training at St. Mary Hospital on campus; in medical technology, one year of internship at St. Mary Hospital or at another approved hospital.



8

New buildings completed in 1965 permit expansion of student enrollment to 1000. The campus grounds, recently landscaped, provide the beauty, serenity, elegance that contribute to the promotion of a cultural education.

Madonna College is accredited by the North Central Association of Colleges and Secondary Schools. It is affiliated with the Catholic University of America. The College is recognized by the Michigan State Department of Public Instruction for elementary and secondary certification. It is approved by the Michigan Board of Nursing. Madonna College holds membership in the American Association of Colleges for Teacher Education, Association of American Colleges, National Catholic Educational Association, National Commission on Accrediting, National Education Association, Higher Education Association, North Central Association Study on Liberal Arts Education, American Library Association, Association of Catholic Colleges of Michigan, Michigan Association of Colleges.

FUTURE

As a liberal arts college, Madonna aims to assist in forming a woman of well integrated personality who will think, judge, and act in accordance with right reason, enlightened by sound principles of truth.

As a woman's college, Madonna gives the student opportunities to develop her potential so that she can confidently assume the role for which she is destined, ministering to the physical, intellectual and spiritual needs of those with whom she associates.

A College Grows

As a Christian college, Madonna accepts the Judeo-Greco-Christian concept of the nature of man, and so impresses the student with the thought that supernatural religion provides the final purpose for cultural and vocational life. As the student moves through her four years of college, she will find her own unique interpretation of the motto of Madonna College, *Sapientia de Sursum* (Wisdom from Above).

THE NEW CAMPUS

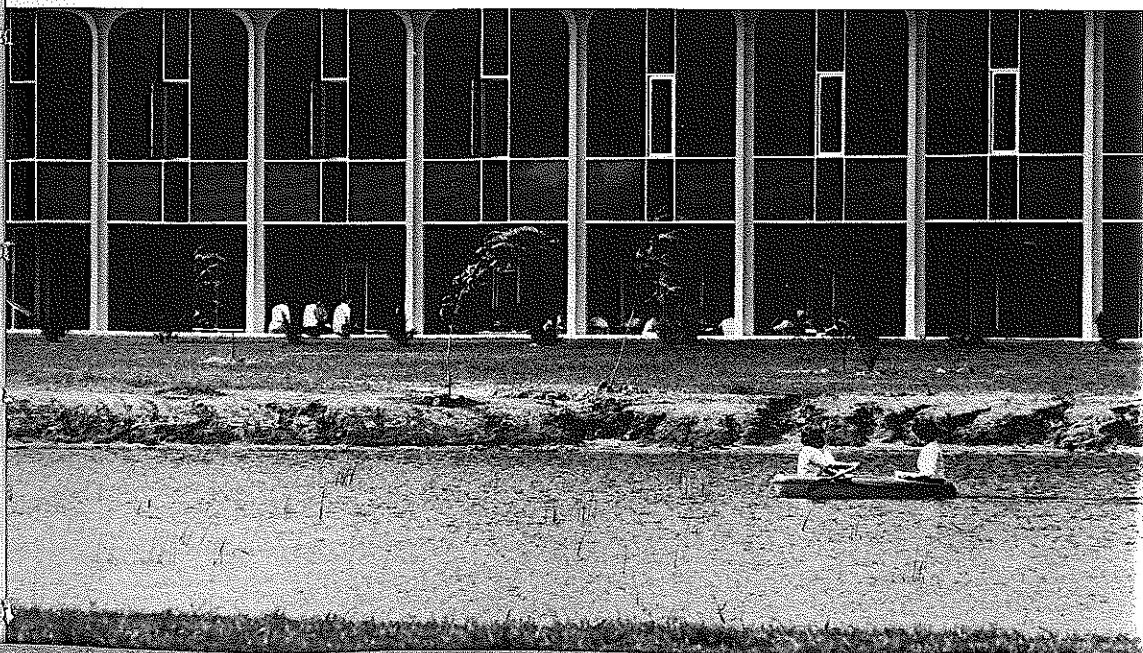
Madonna College is located in the heart of Livonia, Michigan, a suburb of Detroit, and is easily accessible by plane, car, or train.

Madonna College boasts of new residence halls, student center, and an academic building, all completed in 1965. The buildings are of contemporary design in brick and white stone trim with outside floor divisions of spandrel glass.

The student center houses the reception room, decorated in Danish Modern, spacious window-enclosed dining halls, a modern kitchen, lounges for recreation and social activities, and a commons room featuring a circular snack bar. An attractive feature of the residence area is the roof covered patio and upper and lower terraces, designed for viewing and recreation.

A guest and home management house is modern in every detail and attractively furnished. It is a practice home for students majoring in home economics and can be used as a guest house for visiting lecturers.

9



Madonna College



The multi-purpose academic building is separated from the residence halls by a small lake. The two story structure accommodates the academic, administrative, and laboratory areas for art, music, home economics, sciences, journalism, education, languages. A two story library wing, adjoining the academic building, will accommodate 100,000 volumes. It provides a large stack room, reading room, offices, workshop, micro-film room, periodical and reference areas.

STUDENT LIFE

Madonna College students find life on campus a pleasant one, filled with opportunities to make life-long friends, to deepen their understanding of people, and to use their cultural and non-academic work as an informal laboratory that can extend their classroom activity.

To promote an atmosphere of student responsibility and freedom, all students belong to the Student Association whose govern-

ing power is vested in the Executive Council. This body administers all the activities within its organization. The social activities of the Literary, International Relations, Press, Library, Fine Arts, Science, Public Relations, and Athletic Clubs, the Sodality, and the campus unit of the National Federation of Catholic College Students are subject to its authority. The Executive Council in which each organization is represented often meets to determine policies and initiate activities. Intellectual and cultural activities on campus are sponsored by these organizations with the informal guidance of faculty moderators.

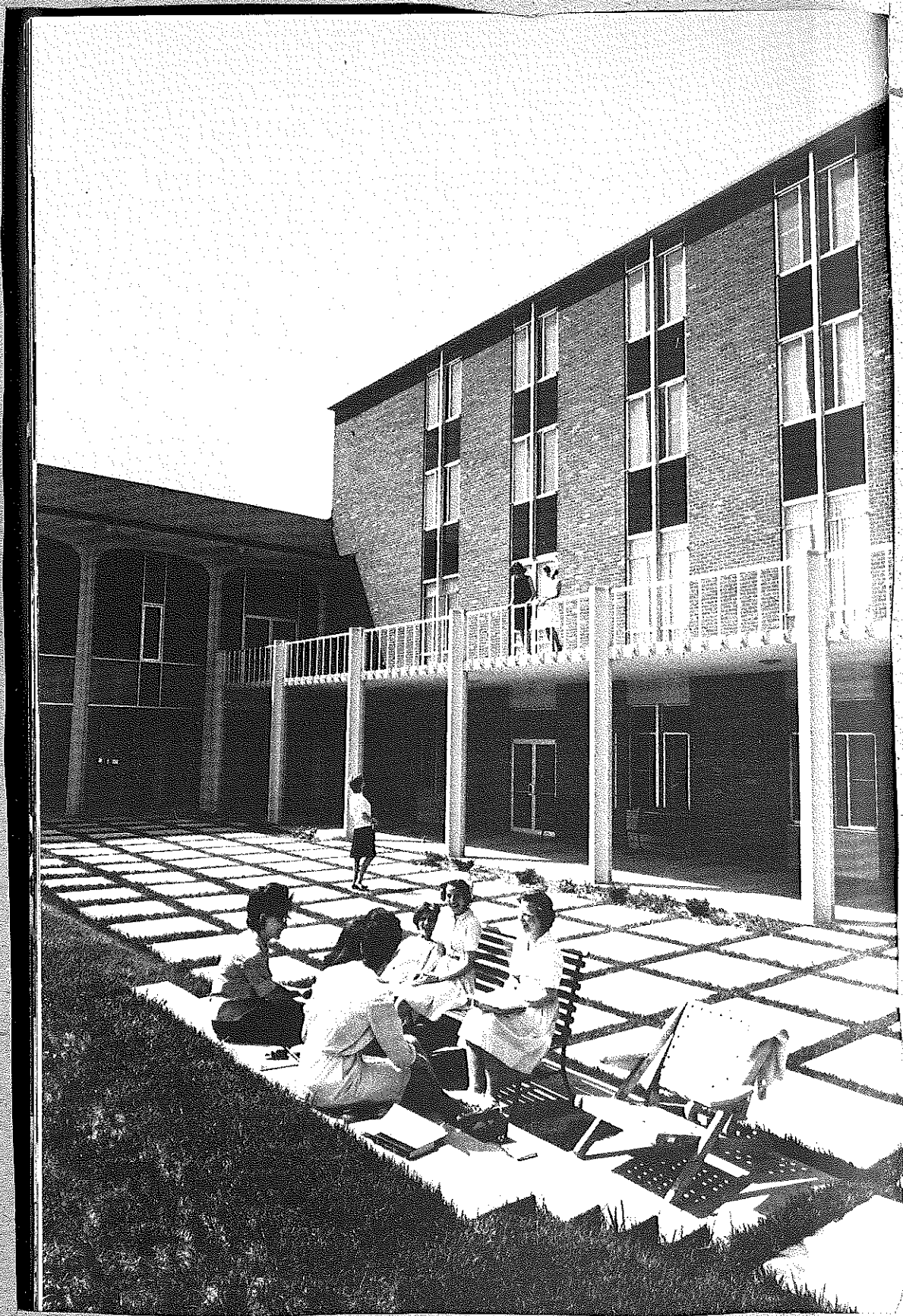
To provide spiritual environment befitting its status, Madonna College sponsors an annual three-day retreat, has two or three noon-day Masses each week, and encourages prayer before class. Further help for growth in Christian living is given through courses in theology and philosophy. Very practical participation in spiritual programs is provided through membership in the Sodality and instruction in Christian doctrine.

Madonna College, situated midway between Detroit and Ann Arbor, is conveniently located near business, art, culture, and research centers. This enables the student to participate in the life of the city and of other colleges as well as that of her own campus. The nearness of other cities and colleges gives the student matchless opportunities for personal growth, either through individual, organizational, or college-sponsored activities.

Social life on campus changes with the fashions of the years. It ranges from informal mixers to the Formal Prom, from picnics to formal receptions, and from hen-sessions to theme-centered informal discussions.

Students with literary or artistic inclinations will find more than enough opportunity to exercise their talents. *The Madonna Herald*, a student paper, is published bi-monthly; *The Lanterne*, edited by students and faculty, provides an outlet for the creative imagination; the Artist Society enables the budding artist to exhibit her creations and receive advice and criticism; the Choral Club offers frequent concerts open to all students and to the public; the Fine Arts Club, besides arranging group trips to cultural events, stages dramatic productions.

Such varied social activities not only make campus life vital and exciting, but provide an atmosphere of work and play in which poise and charm can be developed.



Admission, Expenses, and Financial Aid

ADMISSION

ADMISSION TO FRESHMAN CLASS

Candidates for the freshman class are selected on the basis of:

1. Graduation from an accredited high school with at least 15 units of work, 11 of which must be in academic subjects and must include
 - 2 major sequences of 3 units each
 - 2 minor sequences of 2 units each

Students entering the program in Nursing present two units of science, biology and chemistry.

2. Rank in the upper half of the graduating class
3. A minimum average of 2.5 (on a 4-point scale)
4. Recommendations from two qualified persons.

ADMISSION TO ADVANCED STANDING

A transfer student must present the following credentials:

1. An official transcript of high school credits and of college work
2. A statement of honorable dismissal from the college last attended
3. A catalog from the college from which she is transferring

Credits will not be accepted by transfer unless in quality they are of a grade above the mere passing grade and unless they fit in with any of the curricula of Madonna College.

A transfer student must earn at least a minimum of 32 semester hours at the College.

ADMISSION TO SPECIAL STANDING

Students who wish to follow certain courses in the College and are not candidates for a degree may be admitted as special students.

Although distinctly Catholic, the College admits students of all denominations.

STUDENT EXPENSES

Student expenses are payable in advance at beginning of each semester unless special arrangements for delay of payment are made with the Business Manager.

Madonna College

	<i>For the year</i>
Matriculation fee (at entrance only—not refundable)	\$ 10.00
Tuition	500.00
Tuition per semester hour (part-time students)	18.00
Board	500.00
Rooms: semi-private	200.00
private	300.00
General fee: full time	50.00
7-11 semester hours	20.00
1-6 semester hours	6.00
Graduation fee (at graduation only)	25.00

SPECIAL TUITION

Laboratory fees, each course:

Biology	7.50-10.00
Chemistry	7.50-15.00
Home Economics: Clothing	5.00
Foods	10.00
Resident home management	30.00
Journalism	5.00
Physics	10.00
Use of typewriter, business machines (each course)	7.50
Music: Organ, Piano, Voice (per semester)	48.00
Studio rental	10.00
Chorus	5.00
Art fee	varies with course
Recording fee (non-matriculated students)	2.00
Directed Teaching	40.00
Room reservation	25.00

(refunded only when student is not admitted or is
advised not to return)

Removal of grades I and X	2.00
Special examination	2.00
Late registration	5.00
Change in registration	1.00
Transcript of credits (after the first)	1.00
Student Insurance (optional)	approx. 25.00
An extra charge is made for special diets served in the dining room.	
Luncheon is served at current prices in the Cafeteria to off-campus students.	

Admission, Expenses, and Financial Aid

Books, academic cap and gown, and gymnasium suit are purchased at the College after entrance.

All fees and expenses are subject to change as the College deems necessary.

Checks should be made payable to Madonna College and forwarded to the Business Manager.

REFUNDS

Refunds in all cases will be calculated from the date of personal notification to the Registrar and the Business Manager, and not from the date when the student ceased attending classes. Such adjustments will be made according to the following:

withdrawal within the first week	100% refund
withdrawal within the second week	75% refund
withdrawal within the third week	50% refund
withdrawal within the fourth week	25% refund
withdrawal after the fourth week	no refund



Madonna College

FINANCIAL AID

Madonna College offers financial assistance to students in the form of

SCHOLARSHIPS

Scholarship awards are made for one year on the basis of the student's high school record, the results of the December or January Scholastic Aptitude Test of the College Entrance Examination Board, and character.

Application for scholarship should be made to the Registrar before February 16. Awards will be announced in April. The request for renewal should be made in writing and presented to the President before May 1.

The student who accepts a scholarship commits herself to attend Madonna College for four years. If she transfers to another college before graduation, she must refund the amount of the scholarship.

The following scholarships are available:

The Mother Mary De Sales Scholarship. One-year tuition scholarships awarded annually by the College to outstanding high school seniors. Renewable on the basis of scholarship, leadership, loyalty, and character.

The Detroit Edison Company Scholarship. A scholarship for \$400 is available to an entering freshman who lives in the area served by that Company.

The Alvin M. Bentley Foundation Scholarship. The scholarship is a one-year award open to an entering freshman, a resident of Michigan. The amount of the grant is \$750.

The Consumer Company Scholarship. A scholarship for \$300 is available to an entering freshman who lives in the area served by that Company.

The Frank J. and Josephine Svoboda Scholarship. Established in 1962 by a gift of \$2500 by Robert L. Svoboda as a memorial to his parents. The income to be awarded to a student interested in art or journalism.

St. Mary Hospital Medical Staff Scholarship. Established in 1962. The income to be awarded annually to a student interested in nursing.

St. Mary Hospital Guild Scholarship. Established in 1962. A complete tuition award assigned annually on a non-competitive



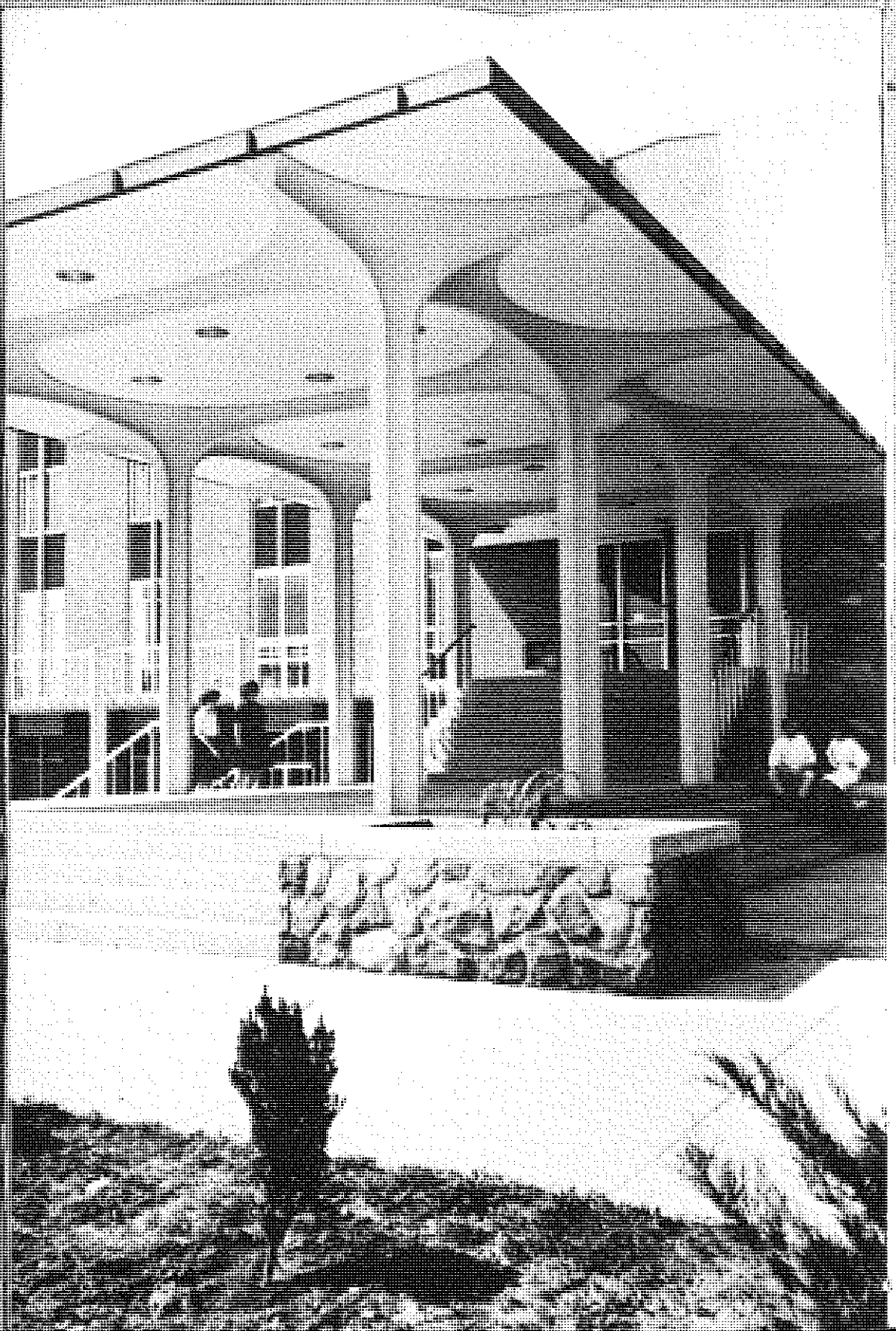
basis to a qualified employee of St. Mary Hospital who is interested in nursing.

STUDENT LOAN

The College participates in the National Defense Student Loan Program. Further information and application forms may be obtained from the Business Office.

SERVICE CONTRACTS

Madonna College offers to a limited number of students work opportunities as student aides in the offices, library, dining hall, classroom building, and hospital. The amount earned, which is applicable to the tuition or room and board, is determined by the number of hours the student works.



Academic Regulations

REGISTRATION

All students must register on the days specified in the college calendar. For late registration a fee of \$5.00 will be charged. No one may register for a course later than the beginning of the second week of a semester. Necessary changes in registration may be made through the registrar's office with the consent of the Dean and the instructor concerned. Course changes include the dropping of a course. The student who drops a course without the consent of the Dean automatically fails the course.

FRESHMAN DAYS

Few days before the academic year begins freshmen and new students with advanced standing participate in an orientation program. During this period tests are administered to provide guidance for future counseling and placement. Lectures on various phases of campus life are given by the faculty and members of the Student Association. These orientation lectures are continued throughout the first semester on a non-credit basis.

CLASSIFICATION OF STUDENTS

Freshmen: Students who have earned fewer than 30 credits.

Sophomores: Those who have earned 30 credits and 60 honor points.

Juniors: Those who have earned 60 credits and 120 honor points.

Seniors: Those who have earned 90 credits and 180 honor points.

STUDENT LOAD

The normal amount of work to be carried in one semester by a student is sixteen hours per week. Eighteen hours will be permitted when the schedule cannot be made with less and the student is qualified to carry such a load. The consent of the Dean is necessary to carry more.

COURSES OF INSTRUCTION

Courses with numbers from 1-99 are lower division courses, intended primarily for freshmen and sophomores; courses with num-

Madonna College

bers from 100-199 are upper division courses, intended primarily for juniors and seniors. With permission, students may elect courses outside the range of their class numbers.

The College may withdraw any course listed for which registration is insufficient or may substitute another course for the one withdrawn.

ATTENDANCE

No "cuts" are allowed. The student is expected to attend every meeting of a class for which she is registered. Responsibility of attendance rests with the student.

A student whose absences in any course equal that of its credit hours will not attend further classes in that course. However, a student is entitled to present the reasons for her absences, and after consultation with the Dean and the instructor, she may be reinstated.

Absence before or after a holiday is considered double absence.

A student who misses an examination because of an extraordinary occurrence may, within the discretion of the Dean, be permitted to request a special test for which a fee of \$2.00 will be charged.

GRADING SYSTEM

Each course receives a grade which represents the results of class work and examination. Grades are indicated by letters, to each of which is given a certain value in honor points. The letters and their significance and honor points are as follows:

<i>Grade</i>	<i>Significance</i>	<i>Honor Points</i>
A	Excellent	4
B	Good	3
C	Satisfactory	2
D	Poor, but Passing	1
I	Incomplete	
F	Failed	
X	Absent from Examinations	
W	Withdrew	
WP	Withdrew Passing	
WF	Withdrew Failing	

An F grade indicates failure. If the subject is a prescribed course for a degree, the student must repeat the entire course.

Academic Regulations

An I indicates that the assigned work for the course has been partially omitted by the student for some serious reason. This work may be made up within two weeks after the regular semester examination or within a time appointed by the instructor.

An X indicates that the student was absent from the regular examination.

A grade of I or X automatically becomes an F if not removed within the time-limit specified.

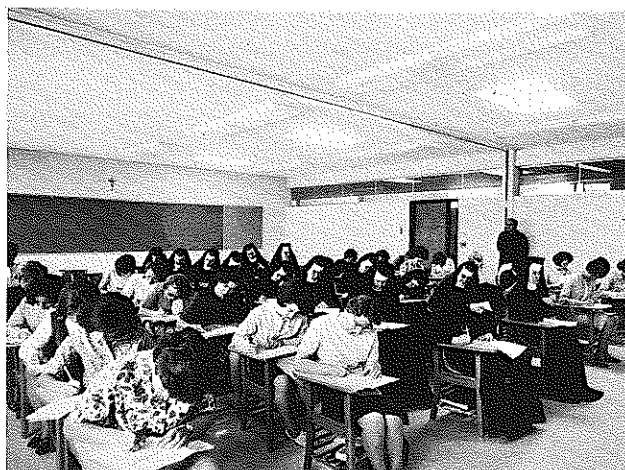
If a student withdraws from a course with permission within the first six weeks of the semester, a record of W will be entered. The student who withdraws with permission after the first six weeks will receive a WP or WF according to the instructor's opinion of her work at the time of withdrawal. Withdrawal without the Dean's permission will be recorded as F.

Full-time students who maintain a grade point average of 3.5 or better during a semester merit a place on the Dean's List. Second honors are awarded to students who average 3.25-3.4. To be eligible for either List, a student must have carried at least 15 hours for the semester except during the semester in which she is doing directed teaching.

Scholarship honors awarded at graduation are *Cum Laude*, *Magna Cum Laude*, and *Summa Cum Laude*. *Cum Laude* is awarded to those who maintain a quality point average of 3.5; *Magna Cum Laude* to those who maintain an average of 3.7; and *Summa Cum Laude* to those who maintain an average of 3.9. These honors are inscribed on the diplomas.

EXAMINATIONS

A final examination is given in every course during the last week of each semester. Tests are also given at mid-term. The student, parents or guardian receive a report of the academic grades shortly after the semester examinations.



DEGREE REQUIREMENTS

The college offers a four-year course in the liberal arts and sciences leading to the degrees of Bachelor of Arts and Bachelor of Science. The degree of Bachelor of Science is granted to those who major in Home Economics, Medical Technology, or Nursing.

Candidates for a bachelor's degree must complete a minimum of 128 semester hours, with at least twice the number of honor points. This total shall include at least 12 semester hours in one foreign language. If two or three units of one foreign language are presented for entrance credit, the language requirement may be fulfilled by continuing the study of this same language for one year in college; if four units are presented and upon examination the students indicate that they have a reading knowledge of this language, they fulfill the foreign language requirement. The candidate for a degree must also take a comprehensive examination and/or the Graduate Record Examination in the major field in the second semester of the senior year.

22

BASIC REQUIREMENTS FOR BACHELOR'S DEGREE

DIVISION I

Theology and Philosophy

*Theology	16 semester hours
Philosophy	12 semester hours

DIVISION II

The Humanities

English	12 semester hours
(Rhetoric and Composition, and Literature)	
Speech	2 semester hours
**Foreign Language	12 semester hours
Fine Arts	4 semester hours
(Art 1, Music 2)	

DIVISION III

Natural Sciences and Mathematics

Mathematics or Science	6-8 semester hours
------------------------------	--------------------

DIVISION IV

***Social Studies

History	6 semester hours
Social Science	6 semester hours

Academic Regulations



The candidate for the bachelor's degree must complete a major of at least 30 semester hours or a group major of 36 semester hours and a minor of at least 20 semester hours or a group minor of 24 semester hours. Specific requirements for majors and minors are given with the respective departments. The choice of major and minor subjects should be made before the end of the sophomore year. Students who transfer from other institutions take at least six hours in the major subject in this college. Majors are offered in Art, Biology, Chemistry, English, History, Home Economics, Mathematics, Medical Technology, Music, Nursing, and Sociology. With the exception of Medical Technology and Nursing, minors are offered in the above and in Business, Education, French, Journalism, Latin, Polish, Spanish, Speech, and Theology.

*Non-Catholic students take 4 semester hours in Theology.

**Students whose major is in Home Economics, Medical Technology or Nursing are exempted from the language requirement; also students in the teacher education curriculum who major in natural science.

***For Bachelor of Science in Medical Technology—6 semester hours in Social Studies, in Nursing—9 semester hours.



Divisions of Instruction

DIVISIONAL ORGANIZATION

The Division of Theology and Philosophy—Theology, Philosophy

The Division of the Humanities—Art, English, Foreign Languages, Music, Speech

The Division of Natural Sciences and Mathematics—Biology, Chemistry, Mathematics, Physics, Physical Education

The Division of Social Studies—Economics, Geography, History, Political Science, Sociology

The Division of Applied Arts and Sciences—Business, Education, Home Economics, Journalism, Medical Technology, Nursing.

THE DIVISION OF THEOLOGY AND PHILOSOPHY

The courses in Theology and Philosophy aim at the development of intellectual maturity and the training in right evaluations. The primary purpose is to cultivate in the student the habit of Christian thinking, i.e. of arriving at conclusions concerning God and His creatures through principles of reason and faith. This science of seeing the world through the eyes of God, which is true wisdom, will be the principle of integration for her own life and knowledge, and the source of her ability to guide and enlighten others.

THEOLOGY

33, 34. MORAL PRINCIPLES

2, 2 CREDITS

Man's ultimate goal; false philosophies of life; Christian revealed goal. Responsibility in man's conscious acts: acts of the will and acts of passion. Morality of habits: virtues and vices. Norms of morality: law and conscience. Supernatural Order: the life of grace in general.

55, 56. SACRED SCRIPTURE

2, 2 CREDITS

Old and New Testaments. Study of the sacred text as a historical document, dogmatic source and moral guide. Selected readings of the Bible, encyclicals on Holy Scripture and modern approaches to biblical studies.

Madonna College

57, 58. CAREER MORALITY

2, 2 CREDITS

General theme: personal and vocational spirituality. The theological and cardinal virtues, natural and supernatural activities of the Christian woman in her vocation of life.

63. SACRED LITURGY

2 CREDITS

Nature and history of liturgy with special emphasis on its significance for Christian living. The Eucharist as Sacrament and Sacrifice. The concept of social worship and its place in Christian life. The meaning and beauty of liturgical services. The Divine Office. The role of music in liturgy.

103, 104. ASCETICAL AND MYSTICAL THEOLOGY

2, 2 CREDITS

A study and application of the principles of Christian perfection.

111, 112. CHRISTOLOGY

2, 2 CREDITS

Dogmatic tracts on the Unity and Trinity of God, Creation, Incarnation and Redemption covered from the aspects of the Bible. Old Testament: study of the outstanding psalms and other readings that contribute to the Liturgy. New Testament: chronology review; phases of Christ's life; human character of Christ, as brought out in the selected passages. Apostolic times: selected passages as they reflect the new Liturgy. Epistles: general character, for example, the Christological epistles.

26



Theology and Philosophy

143, 144. ECCLESIOLOGY

2, 2 CREDITS

A thorough study of the Vatican II constitutions; study of non-Catholic religions. The Mass and the Sacraments. Emphasis on the personal and vocational use of the Liturgy rather than on the juridical aspects.

PHILOSOPHY

41. INTRODUCTION TO PHILOSOPHY

3 CREDITS

Key principles of Scholastic Philosophy. Comparison with the leading non-scholastic systems. The effect of philosophers and philosophies on our history and culture.

71. LOGIC

3 CREDITS

Science of correct thinking and expression. The use of logic in modern communication.

101. EPISTEMOLOGY

3 CREDITS

Truth and certainty of the human mind in its normal and abnormal operations. Comparison of Scholastic Moderate Realism with extremes of Idealism and Empiricism.

106. PHILOSOPHY IN ACTION

3 CREDITS

Practical Metaphysics: coordination of scholastic ontology and cosmology with modern physical sciences and the sciences of man. Philosophy of Art. Ethics in the careers of the modern woman: medical, sociological and educational fields.

107. GENERAL PSYCHOLOGY

3 CREDITS

The nature of psychology; relation of organic to intellectual life; general laws of mental life; characteristics of sense activities and mental processes; mental development.

137, 138. ETHICS

2, 2 CREDITS

The consideration of man and his destiny. First Semester: the ultimate end of man and the means to the end; human acts and their implications; the nature, the kinds and the effects of emotion. Second Semester: the intrinsic principles of human acts, that is, good and bad habits; and the extrinsic principle of Law.

THE DIVISION OF HUMANITIES

The courses offered in the Division of Humanities, in accordance with the general objectives of the college, aim:

1. to deepen the knowledge of the artistic heritage by the study of the outstanding cultural achievements of the great masters through the ages;
2. to develop and to refine the aesthetic sensitivity to the fine arts and to provide opportunities for creative expression in the areas of music, art and literature;

Madonna College

3. to enrich the student's experience and her cultural background by the study of foreign languages;
4. to develop the power of written and oral communication specifically through the media of newspaper, radio and television; and
5. to prepare teachers in the areas of humanities on primary and secondary levels.

ART

Major: 30 hours including 1, 7 or 8, 25, 47, 151, 152 and 171.

Minor: 20 hours including 1, 7 or 8, 25 or 47, 151, 152 and 171.

1. INTRODUCTION TO THE ARTS 2 CREDITS
Acquaintance with masterworks of the arts to awaken and expand appreciation.

- 7, 8. DRAWING AND COMPOSITION 2, 2 CREDITS
Shapes of objects, perspective, composition and modeling in some media: graphite, charcoal, ink, pastels, etc., with a purpose of developing a technique most adapted to the talent of the individual student.

25. COLOR AND DESIGN 2 CREDITS
The theory and understanding of line and color schemes and their application to creative problems; study of textures, shapes in the various media used in the structural projects under consideration.

47. LETTERING AND POSTER DESIGN 2 CREDITS
Principles of good lettering, layouts for posters, signs, etc., manuscript writing, built-up letters, modern sign lettering in both pen and brush.

64. WATER COLOR 3 CREDITS
Various techniques of water color. Special attention given to color and composition. Prerequisite: Art 7 or 8 or permission of the instructor.

88. LIFE DRAWING AND COMPOSITION 2 CREDITS
Special emphasis on the study of the human figure in action, rapid and extended poses; use of varied drawing media. Prerequisite: Art 7 or 8 or permission of the instructor.

90. GRAPHIC ARTS 3 CREDITS
Experimentation in a variety of media of reproduction including linoleum and woodcuts, wood engraving, etching and silk screen printing. Prerequisites: Art 7 or 8 and 25.



98. BEGINNING OIL PAINTING

2 CREDITS

Introduction to oil painting as a medium of expression; special emphasis on the modern approach to painting and color. Prerequisite: Art 7 or 8 or permission of the instructor.

29

101. ART EDUCATION IN THE ELEMENTARY SCHOOL

3 CREDITS

Color, design techniques and procedures for teaching of creative art; experimentation with various media on the level of one's interest. Lecture 1 hour, studio 4 hours. *Not open to art majors.*

109. ADVANCED DESIGN

3 CREDITS

Application of the principles of color and design to large and diverse projects, to interior decoration, textile design, cut and painted wood projects, pictorial design; exploration of three dimensional space composition. Prerequisite: Art 7 or 8, 25 or permission of the Instructor.

115. ART ORIENTATION THROUGH THE CRAFTS

2-3 CREDITS

Fundamentals and experimentation with the media, tools and techniques in some or all of the following: leather, weaving, copper and mosaic.

131, 132. CERAMICS

2, 2 CREDITS

Principles of clay modeling, constructing, glazing, decorating and firing; ceramic sculpture or pottery on a larger scale.

135, 136. PAINTING

2, 2 CREDITS

Modern techniques in painting in watercolor, oil or gouache. Prerequisite: Art 7 or 8 or permission of the instructor.

Madonna College

139, 140. LABORATORY IN DRAWING AND PAINTING 2-3, 2-3 CREDITS
Practice in preparatory sketches for paintings of naturalistic, conventionalized and abstract subjects.

141, 142. SCULPTURE 3, 3 CREDITS
Experimentation in clay and plaster; study and understanding of good sculptural forms in the various media; special attention to wood sculpture.

151, 152. HISTORY OF ART 3, 3 CREDITS
Understanding and appreciation of the fine arts as exemplified in the Greek and Roman cultures, the Middle Ages, the Renaissance, baroque and contemporary periods. Slide lectures, discussions and trips to Art Museums.

161, 162. ADVANCED STUDIO PROBLEMS 2-3, 2-3 CREDITS
Individual study in the area of one's special interest: painting, sculpture, ceramics, etc. A major problem is undertaken and pursued throughout the term. Open only to seniors or special students interested in a major accomplishment in the creative arts.

30

171. SEMINAR IN THE ARTS 2 CREDITS
Discussion of topics pertinent to the understanding of the fine arts, of beauty and delight in the arts; correlation of art with other areas of study; investigation of the philosophy of art both classic and contemporary.

ENGLISH

Major: 30 hours including 1, 2, 31, 32, 101 or 102, 103, 104, 105, 123, 152.
Minor: 20 hours including 1, 2, 31, 32, 103, 104, 105.

1, 2. RHETORIC AND COMPOSITION 3, 3 CREDITS
Training and practice in comprehension and written expression; emphasis on correctness and clarity. Classroom work consists of study of rhetorical principles, discussion of themes assigned for practice, and critical reading of selected works. Students exempt from the course on basis of test scores will take English 105, 106.

31, 32. ENGLISH LITERATURE 3, 3 CREDITS
Selected texts from Beowulf to Milton; from Burns to Eliot; emphasis on evaluation and appreciation of the fundamental qualities of good literature.

101, 102. AMERICAN LITERATURE 3, 3 CREDITS
Selected texts of major American writers; emphasis both historical and literary; trends in American intellectual thought closely scrutinized.

The Humanities

103, 104. DIRECTED READING

2, 2 CREDITS

Selected masterpieces of western culture: poetry, prose, drama, and fiction; reading in depth and critical analysis form rationale of course; lectures provide direction in relating several cultures represented in choice of texts.

105, 106. ADVANCED WRITING

2, 2 CREDITS

Techniques of effective writing, informative and literary, coordinated with critical reading of selected works. Required of English majors and prospective teachers. Exemption determined by test scores.

113. MEDIEVAL LITERATURE

3 CREDITS

Readings in the literature of the Middle Ages with special emphasis on Chaucer as the chief exponent of the fourteenth-century life and literature. Some attention is given to linguistics.

123. DRAMA—SHAKESPEARE

3 CREDITS

Origin and development of English drama with a critical investigation of Shakespeare's dramatic qualities in a few of his representative plays.

152. SENIOR SEMINAR

2 CREDITS

Coordination and organization of the knowledge and experiences acquired in the various courses in English and American literature. Papers, discussions and critical analysis of literary works, poetic techniques and structures.

163. ROMANTIC LITERATURE

2-3 CREDITS

Rise of romanticism in English literature and the reading and study of the works of the chief Romantic writers.

164. VICTORIAN LITERATURE

2 CREDITS

Readings and critical analysis of the works of major writers and their reflection of and influence on the thought and spirit of their time.

167. CONTEMPORARY LITERATURE

2 CREDITS

Readings from contemporary British and American writers; some attention to European figures; social and intellectual backgrounds and the problems and methods of contemporary criticism.

173. THE NOVEL

3 CREDITS

History and technique of the novel; reading, critical analysis and discussions of selected novels of English, American and European authors.

181. HONORS COURSE

Independent work. Permission of the department.

Madonna College

FRENCH

Minor: 20 hours.

1, 2. ELEMENTARY FRENCH 3, 3 CREDITS

Fundamentals of French pronunciation, syntax and speech patterns; carefully controlled vocabulary of high-frequency words; oral and aural practice; simple written exercises; reading of practical and cultural material to stimulate conversation on a natural basis.

23, 24. INTERMEDIATE FRENCH 3, 3 CREDITS

Review of grammatical principles; more oral and aural practice to improve the student's ability to use French; readings from standard French authors to serve as a point of departure for conversation and some written composition. Prerequisite: French 2.

103. FRENCH CIVILIZATION 3 CREDITS

Historical, social and cultural background of France; the influence and contribution of French literature, art, music and thought to western civilization. Prerequisite: French 24.

107, 108. SURVEY OF FRENCH LITERATURE 3, 3 CREDITS

The outstanding authors representing the chief periods of French literature from its beginnings to the present. Lectures, collateral readings, oral discussions and reports. Prerequisite: French 24.

LATIN

Minor: 20 hours.

1, 2. ELEMENTARY LATIN 3, 3 CREDITS

Elements of Latin grammar; easy reading and translation; reading selections from the Gallic Wars.

3. CICERO AND COMPOSITION 3 CREDITS

Selected orations: *In Catilinam*, *Pro Lege Manila*, *In Verrem*; special uses of cases and moods; practice in composition. Prerequisite: 2 units of high school Latin.

4. VERGIL 3 CREDITS

Selections from *Aeneid*, Book 1 to 6; syntax of Latin poetry; metrical reading. Prerequisite: 3 units of high school Latin.

11, 12. LATIN WRITING 2-3, 2-3 CREDITS

Grammatical principles and idiom of Latin language; practice and skill in writing by the study of the prose selections from the representative Latin writers, e.g. Cicero, Seneca, Horace, Juvenal, Martial, Tacitus, Livy.

The Humanities

41. HORACE

3 CREDITS

Odes and Epodes. Reading and interpretation; Latin adaptation of Greek lyric forms; the literary influence of Horace.

101. LETTERS OF CICERO AND PLINY

3 CREDITS

A reading of selected letters. A comparison of Cicero's and Pliny's style in the development of epistolary art. Collateral reading and reports on the letter as a form of literature in English.

123. THE EPIC

3 CREDITS

Theme of the *Aeneid*, Books VII to XII, and the relation to earlier and later epic with emphasis on the construction and technique of the epic; study of the story as a whole stressing the figures of myths encountered and an analysis of the many elements of Roman religion which form the heart of Vergil's epic; interpretative reading. Prerequisite: Latin 4.

153. MEDIEVAL LATIN LITERATURE

3 CREDITS

Selections from the authors of the Patristic Age to the Renaissance; comparison of the stylistic and linguistic features; attention given to the religious, political, and social aspects of the time.

MUSIC

Applied Music

Minor: 20 hours.

PIANO

For entrance to a credit course, the student must be able: to play major and minor scales and arpeggios; to perform, with correct touch and technique, some of the standard etudes, such as Czerny, Op. 299, Book I or Heller, Op. 47; Bach's Little Preludes and Fugues; a Bach Two-Part Invention; an easier sonata of Haydn, Mozart or Beethoven; some composition of Schumann, Grieg, Debussy, or other romantic or modern composer.

13, 14. PIANO

2, 2 CREDITS

Works to be studied: Bach, 3-part Inventions; French Suites or Prelude and Fugue from Well-Tempered Clavier; Sonatas by Scarlatti, Haydn, Mozart, or Beethoven Sonata of the early period; Schubert Impromptu; Chopin Preludes, Mazurkas, Etudes, or Nocturnes; some work by a modern composer as Debussy.

33, 34. PIANO

2, 2 CREDITS

Bach, English or French Suite, Well-Tempered Clavier, Prelude and Fugue; Mozart or Beethoven Sonata; Schumann easier pieces; Chopin Mazurkas, Waltzes, or Nocturnes; some of the short pieces of Ravel or Debussy or later composers.

Madonna College

123, 124. PIANO

2, 2 CREDITS

Bach, Partita or English Suite, Well-Tempered Clavichord Prelude and Fugue; Mozart Concerto; Beethoven Sonata; Schumann, Fantasie pieces; Chopin Etudes; Debussy Preludes or work of any contemporary composer.

153, 154. PIANO

2, 2 CREDITS

Bach, English or French Suite; Well-Tempered Clavichord or Italian Concerto; Beethoven Sonata; Mendelssohn Concerto; Brahms Intermezzi; Chopin Ballade, work by a contemporary composer.

ORGAN

15, 16. ORGAN

2, 2 CREDITS

Manual and pedal exercises as found in Stainer's "The Organ" or Dickinson's "Technique and Art of Organ Playing"; hymn-tunes and chorales for one and two manuals, with or without pedal; some familiarity with fundamental tone-colors; Bach, selections from the Liturgical Year Organ Chorales, Bach, Andante, Stamitz, and compositions of similar grade.

35, 36. ORGAN

2, 2 CREDITS

Guilmant Sonatas No. I and No. III, slow movements; Mendelssohn Sonata II, four of the Eight Short Preludes and Fugues, Bach; selections from the Liturgical Year Organ Chorales, Bach; Andante, Stamitz, and compositions of similar grade.

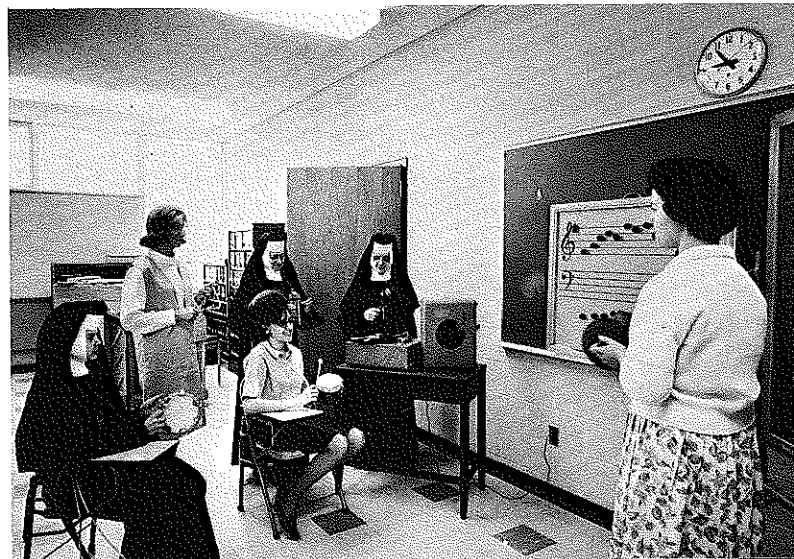
VOICE

For entrance to credit course, the applicant should have a good natural voice, an elementary knowledge of piano, and be able to sing with satisfactory intonation, tone quality, time and interpretation.

17, 18. VOICE

2, 2 CREDITS

Voice placement; vocalization for tone production, breath control, relaxation, resonance, vowel formation and study of the consonants; simple songs with English diction suitable to acquired technic.



The Humanities

55, 56. VOICE

2, 2 CREDITS

Further development of good vocal technique; solfeggios and exercises from Abt, Concone, Clippinger, Vaccai; moderately difficult Italian and English songs; introduction to French songs and selected arias; legato vocal habits.

THEORY

Major in Music Education: 40 hours including 11, 12, 25, 43, 47, 101, 102, 103, 104, 107, 111, 114, 126, 133, 134, 141; 10 hours of applied music: 8 in piano and 2 in organ.

Minor: 20 hours including 1 or 11, 25, 43, 47, 101; 8 hours of applied music.

1. BASIC THEORY

3 CREDITS

Development of visual, aural, and tactual basic knowledge of the melodic, rhythmic and harmonic elements of music; the staff, clefs, notation, scales, intervals, and correct use of the singing voice; vocal and instrumental activities. Recommended for non-music majors; required of Sister students.

2. INTRODUCTION TO MUSIC LITERATURE

2 CREDITS

Works of the masters studied against the background of their times to develop understanding, enjoyment and appreciation of music as an art.

11, 12. FUNDAMENTALS OF MUSICIANSHIP

2, 2 CREDITS

Aural, visual, and written approaches to musicianship; solfeggio, sight singing, ear training, dictation, harmony, and keyboard harmony; treatment of four-voiced texture, modulations, salient aspects of chromatic harmony.

25. DICTATION AND EAR TRAINING

2 CREDITS

Recognition of scale and interval patterns in melodic and harmonic progressions; sight singing and dictation of one, two, three, and four-part melodies; chromatic melody, modulations, simple and compound rhythms.

43. MUSIC LITERATURE

2 CREDITS

Survey course providing preliminary aural experiences as a basis for intelligent listening and appreciation of various forms and styles found in music masterpieces; concepts, trends, events, biographies.

47. MUSIC IN THE ELEMENTARY SCHOOL

3 CREDITS

Objectives, procedures, and materials for primary and intermediate grades, including: treatment of the child voice, procedures for the development of the hesitant singer, selection and presentation of rote, observation, and reading songs; approach to music reading; part-singing.

Madonna College

101, 102. HARMONY 2, 2 CREDITS

Application of fundamentals of musicianship to figured accompaniments; study of chromatic harmony, altered and mixed chords, regular and irregular resolutions of dissonances, modulations, non-harmonic tones, melodic figuration; practical work at the keyboard.

103, 104. HISTORY OF MUSIC 2, 2 CREDITS

Origin and development of music in the western culture from the Greek and ecclesiastical modes through the contrapuntal, classic, romantic, and modern periods; contemporary composers and new tendencies.

107. COUNTERPOINT 2 CREDITS

Contrapuntal principles as exemplified in the various species in two, three, and four-part writing in strict style. A knowledge of the free style as used in the inventions.

111. FORM AND ANALYSIS 2 CREDITS

Simple structural elements of musical composition as applied to form, from the simple song forms to the sonata and symphony; harmonic and structural analysis of representative works; study of the score.

114. PIANO PEDAGOGY 1 CREDIT

Theory and practice of teaching piano; elementary technique covering all stages of development: sight-reading, rhythm, ear training, memorizing, pedal, teaching materials.

126. MUSIC IN THE SECONDARY SCHOOL 2 CREDITS

The place of music in the life of the adolescent. Suggested courses of study for music in the junior and senior high school, the general music class, the changing voice, the testing and classification of voices, organization of choral groups and glee clubs; analysis of unison and part songs.

133, 134. INSTRUMENTAL TECHNIQUES 1, 1 CREDITS

Group study of the techniques of the various instruments in the orchestra.

141. CHORAL TECHNIQUES 2 CREDITS

Interpretation and performance of choral music. Analysis of singing of unison and parts, with a view to artistic rendition and stress on the pedagogical approach.

175. MUSIC EDUCATION WORKSHOP 2 CREDITS

Practical experience in teaching procedures; curriculum, music materials, current trends.

ENSEMBLE

61. COLLEGE CHORUS 1 CREDIT

Study and performance of sacred and secular choral literature; development of a discriminatory taste in music through experience in actual participation.

The Humanities

POLISH

Minor: 20 hours.

1, 2. **ELEMENTARY POLISH** 3, 3 CREDITS
Fundamentals of Polish language, phonetic structure and introduction to grammar and syntax with emphasis on oral usage of the language; simple reading exercises.

23, 24. **INTERMEDIATE POLISH** 3, 3 CREDITS
Study of grammar and syntax; composition and conversation; reading of selections from modern Polish writers.

101. **TYPES OF LITERATURE** 3 CREDITS
Representative works of Polish narrative and lyric poetry from the thirteenth to the twentieth centuries.

102. **TYPES OF LITERATURE** 3 CREDITS
Representative works of Polish dramatists and prose fiction writers from the sixteenth to the twentieth centuries.

103, 104. **POLISH CIVILIZATION** 3, 3 CREDITS
A study of important phases of the geographical, historical, social, and religious background of Poland with emphasis on the cultural and scientific contributions to the Western world culture.

SPANISH

Minor: 20 hours

1, 2. **ELEMENTARY SPANISH** 3, 3 CREDITS
Pronunciation, practice in understanding, speaking, reading, and writing simple Spanish; fundamentals of Spanish grammar.

23, 24. **INTERMEDIATE SPANISH** 3, 3 CREDITS
Systematic review and further study of grammar and of the more usual idiomatic expressions. Conversation based on readings from Spanish and Latin American authors. Prerequisite: Spanish 2.

103. **HISPANIC CIVILIZATION** 3 CREDITS
Readings in Spanish on important aspects of the historical, social, religious, and cultural development of Spain and of Spanish America as a basis for conversation. Prerequisite: Spanish 24.

107, 108. **SURVEY OF SPANISH LITERATURE** 3, 3 CREDITS
Main currents in the development of Spanish literature from its beginning to the present day. Readings and discussions of selected works representative of the various periods. Prerequisite: Spanish 24.



SPEECH

Minor: 20 hours including 1, 51, 62, 111.

1. FUNDAMENTALS OF SPEECH 2 CREDITS

Development of voice and speech mechanism; practice in the application of correct habits in speaking and reading.

51. PARLIAMENTARY PRACTICE 1 CREDIT

Parliamentary procedures; organization of assemblies, committees, constitutions, conducting of meetings.

53. ORAL INTERPRETATION 2 CREDITS

Basic principles involved in interpreting the printed page aloud; reading of selections from prose, poetry and drama with intellectual and emotional understanding of the materials.

62. PUBLIC SPEAKING AND DISCUSSION 3 CREDITS

Principles and techniques involved in the preparation and delivery of various types of speeches—informative, persuasive, occasional, etc.; techniques of leading and participating in group discussions, debates, panels, symposia, etc.; study of Aristotle's *Rhetoric*.

71. RADIO AND TELEVISION 2 CREDITS

Skills necessary for radio and television work; microphone and camera problems; basic techniques of radio acting, continuity writing and announcing.

103. WRITING FOR RADIO AND TELEVISION 2 CREDITS

Analysis of current radio and television programs of various types; editing scripts, writing and direction and recording programs. Prerequisite: Speech 71.

107. ACTING 2 CREDITS

Basic techniques of acting; pantomime, improvisation; class demonstration of one-act plays. Lecture 1 hour, laboratory 2 hours.

108. ADVANCED ACTING 2 CREDITS

Dramatic presentation, analysis and interpretation of roles of the character in relation to the play as a whole, the mood, tempo and plot; interpretation of the intellectual and emotional elements of the play through

Natural Sciences and Mathematics

the medium of voice and action; presentation of a play. Lecture 1 hour, laboratory 2 hours. Prerequisite: Speech 107.

111. PHONETICS 2 CREDITS
Speech patterns, analytical study of the sound of English, English intonation, dialects and accent trends; some attention to history and development of English language.

116. CHILDREN'S THEATRE 3 CREDITS
Dramatization of children's poems and plays with consideration of the basic problems of selecting, casting, rehearsing and directing. Lecture 2 hours, laboratory 2 hours.

THE DIVISION OF NATURAL SCIENCES AND MATHEMATICS

In an endeavor to impart a liberal training in complete harmony with the general aims of Madonna College, instruction in the Division of Natural Sciences and Mathematics is designed to fulfill the following specific objectives:

1. To awaken intellectual curiosity and to form habits of logical analysis, sound judgment, and critical thinking.
2. To maintain scientific discipline while fostering an appreciation of the role of scientific knowledge in a true culture and an awareness of God's design in the universe.
3. To inculcate habits of initiative, industry, objectivity, accuracy in technique and in oral and written expression.
4. To lay the foundation and give the perspective necessary for the pursuit of advanced study in natural sciences and/or for professional work best suited to the abilities and womanly qualities of the student.

DIVISIONAL COURSES

1. PRINCIPLES OF PHYSICAL SCIENCES 3 CREDITS
Fundamental principles of physics, chemistry, and some astronomy and geology designed to give the non-science major an understanding, appreciation, and interest in science. Lecture 2 hours, laboratory 3 hours.

2. PRINCIPLES OF BIOLOGICAL SCIENCES 3 CREDITS
Biological principles and their human implications. Lecture 2 hours, laboratory 3 hours.

Madonna College

BIOLOGY

Major: 30 hours including 3, 51, 103, 104, 107, 111, 156, and 171. Requirements from other fields: Chem. 30, 31 or equivalent, and one year of Mathematics.

Minor: 20 hours including 3 or equivalent and a minimum of 8 hours in upper division courses.

Minor in Physical Science: 24 hours including 8 hours in Chemistry, 8 hours in Physics and 6-8 hours in upper-division courses. Strongly recommended for biology majors contemplating teaching in secondary schools or research.

3. GENERAL BIOLOGY 4 CREDITS

Fundamental biological principles with emphasis on life processes. Lecture 2 hours, laboratory 4 hours.

43. ANATOMY AND PHYSIOLOGY 5 CREDITS

Structure and function of the systems of the human being. For non-majors. Lecture 3 hours, laboratory 4 hours.

51. GENETICS 3 CREDITS

Fundamental laws and theories of heredity in plants, animals and man. Lecture 2 hours, laboratory 2 hours.

103, 104. DEVELOPMENTAL ANATOMY 3, 3 CREDITS

Integrated comparative chordate anatomy and embryology. Lecture 2 hours, laboratory 3 hours.

107. INVERTEBRATE ZOOLOGY 3 CREDITS

Biological principles of invertebrate animals; fundamentals of parasitology. Lecture 2 hours, laboratory 2 hours.

111. GENERAL BOTANY 3 CREDITS

Fundamental structure and physiology of plants. Lecture 2 hours, laboratory 3 hours.

126. MICROBIOLOGY 4 CREDITS

Morphology and physiology of microorganisms and their relation to man. Lecture 2 hours, laboratory 4 hours. Prerequisites: Chem. 30, 31 or equivalent.

131. HISTOLOGY 4 CREDITS

Microscopic structure of tissues and organs of vertebrates. Lecture 2 hours, laboratory 4 hours.

143. BIOCHEMISTRY 5 CREDITS

(See Chemistry 143.)

Natural Sciences and Mathematics

156. GENERAL PHYSIOLOGY 4 CREDITS
Principles of physiology and the mechanisms underlying the life processes. Lecture 2 hours, laboratory 4 hours. Prerequisites: Chem. 30, 31 or equivalent.

165. BIOLOGICAL READINGS 2 CREDITS
Readings and discussions of classical and modern advances in Biology.

171. COORDINATING SEMINAR 3 CREDITS

CHEMISTRY

Major: 30 hours including Chem. 31, 53, 62, 103, 134, 153, 154, 171, 173 or 175.

Minor: 20 hours including a minimum of 8 hours in the upper division courses.

Major in Bio-Chemistry: 36 hours including a minimum of 12 hours in each area and a minimum of 15 hours in the upper division courses.

Minor in Bio-Chemistry: 24 hours including a minimum of 8 hours in each area and a minimum of 8 hours in upper division courses.

25. ELEMENTS OF INORGANIC AND ORGANIC CHEMISTRY 4 CREDITS
Basic principles of inorganic and organic chemistry. Not open to majors, minors, or majors in Medical Technology. Lecture 3 hours, laboratory 3 hours.

30, 31. GENERAL INORGANIC CHEMISTRY 4, 4 CREDITS
Principles of modern chemistry; atomic structure, periodicity, chemical equilibria, and qualitative analysis. Lecture 3 hours, laboratory 3 hours. Prerequisite for Chemistry 31: Chemistry 30 or B in high school chemistry.

53. QUANTITATIVE ANALYSIS 4 CREDITS
Theory and technique of gravimetric and volumetric analysis, chemical calculations. Lecture 2 hours, laboratory 4 hours. Prerequisites: Chemistry 31 and one year of college mathematics.

57. INTRODUCTORY BIOCHEMISTRY 4 CREDITS
Study of fats, proteins, carbohydrates, enzymes and metabolism in man; designed for nurses and majors in Home Economics. Lecture 3 hours, laboratory 3 hours.

62. SPECIAL METHODS OF QUANTITATIVE ANALYSIS 3 CREDITS
Theory and application of more advanced methods of chemical analysis including topics of colorimetry, spectrophotometry, electroanalysis, radioactivity and other modern techniques. Lecture 1 hour, laboratory 4-5 hours. Prerequisites: Chemistry 31, 53.

Madonna College

103. ORGANIC CHEMISTRY

6 CREDITS

The carbon compounds; their classification, structure, properties, and uses. The laboratory work includes the preparation of typical organic compounds and a study of their reactions. Lecture 3 hours, laboratory 6 hours. Prerequisite: Chemistry 31.

134. ORGANIC CHEMISTRY

3 CREDITS

More extensive study of aliphatic and aromatic compounds; introductory study of heterocyclic compounds; practical experience in the important synthetic methods and the qualitative identification of the common functional groups and their compounds. Lecture 1 hour, laboratory 4 hours.

143. BIOCHEMISTRY

5 CREDITS

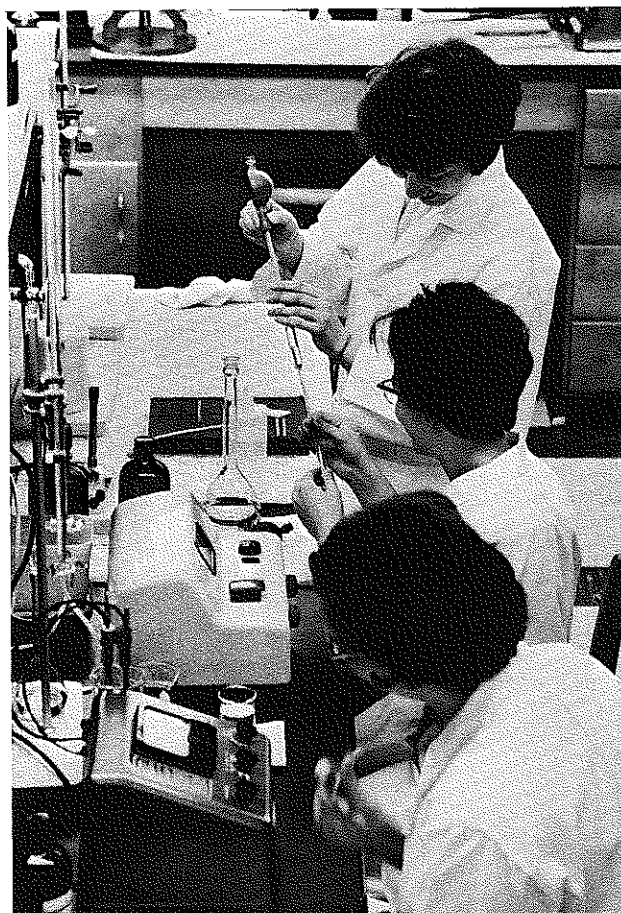
Qualitative and Quantitative study of the chemical principles as applied to physiological processes; some fundamental concepts of radioactivity with emphasis on biological aspects of radiation. Lecture 3 hours, laboratory 4 hours. Prerequisites: Biology 3, Chemistry 53, 62, 103.

153, 154. PHYSICAL CHEMISTRY

4, 4 CREDITS

Fundamental theoretical chemistry, atomic theory and structure of matter, laws of gases, liquids and solutions; electro- and thermochemistry;

42



Natural Sciences and Mathematics

chemical kinetics; basic principles of radioactivity and the use of radioisotopes in the study of chemical reactions. Lecture 3 hours, laboratory 3-4 hours. Prerequisites: Mathematics through calculus, Physics 1, 2; Chemistry 53, 103.

171. COORDINATING SEMINAR 1 CREDIT

173. THEORETICAL CHEMISTRY 2 CREDITS

Modern structural concepts and nuclear chemistry; bonding and bond energies coordination compounds and stereochemistry, radioactivity, and nuclear transformations.

175. PROBLEMS IN CHEMISTRY 1-3 CREDITS

Advanced study in a special area of interest in laboratory or research studies. Prerequisite: recommendation of major advisor.

MATHEMATICS

Major: 30 hours.

Minor: 20 hours.

3, 4. BASIC MATHEMATICS 3, 3 CREDITS

Required of science majors entering with less than three units of high school mathematics; not applicable towards a mathematics major or minor.

5, 6. INTEGRATED ALGEBRA AND TRIGONOMETRY 3, 3 CREDITS

Topics in college algebra and trigonometry most useful for the integrated course in analytic geometry and calculus.

41, 42. FUNDAMENTAL CONCEPTS OF MATHEMATICS 2, 2 CREDITS

For teachers of arithmetic; structure of the real number system; basic concepts of algebra; informal geometry; not applicable towards a mathematics major or minor. Required of prospective teachers.

51, 52. CALCULUS WITH ANALYTIC GEOMETRY 4, 4 CREDITS

Elements of plane geometry through the conics, coordinate systems, transformation of coordinates; differentiation and integration of algebraic, logarithmic, exponential, and trigonometric functions with applications.

101. ELEMENTARY NUMBER THEORY 3 CREDITS

Properties of integers, divisibility, Euclid's Algorithm; prime numbers; congruences; quadratic residues.

105. ELEMENTS OF MODERN ABSTRACT ALGEBRA 3 CREDITS

Study of properties and structure of groups, rings, ideals, fields; development of elementary theory of vectors, matrices and determinants.

Madonna College

106. ELEMENTARY ANALYSIS 3 CREDITS
Limits and continuity, infinite series, expansion of functions, elements of solid geometry, partial differentiation, multiple integrals.
111. ELEMENTARY SET THEORY 3 CREDITS
Symbolic logic and set theory; Boolean algebra; cardinality.
131. HISTORY OF MATHEMATICS 2 CREDITS
Development of mathematical concepts and contributions of leading mathematicians.
135. PROBABILITY AND STATISTICAL INFERENCE 2 CREDITS
Variability, permutations, combinations and binomial theorem; general theory of probability for finite sample spaces; statistical applications of probability.
143. DIFFERENTIAL EQUATIONS 2 CREDITS
Ordinary differential equations of first and second order with applications to geometry, physics, and chemistry.
145. COLLEGE GEOMETRY 2 CREDITS
Geometric properties of the triangle and the circle developed since the time of Euclid.
146. ADVANCED TOPICS IN GEOMETRY 3 CREDITS
Postulational approach to synthetic projective geometry; principle of duality; analytic projective geometry; projective, affine, Euclidean transformations.
171. COORDINATING SEMINAR 1 CREDIT
Directed reading and study of the unifying principles of mathematics.

PHYSICS

- 1, 2. GENERAL PHYSICS 4, 4 CREDITS
Fundamental principles of mechanics, heat, magnetism, electricity, sound and light. Lecture 2 hours, laboratory 4 hours.
101. MODERN PHYSICS 3 CREDITS
Introduction to contemporary atomic physics; electron and nuclear masses and charges. Basic ideas of quantum theory and wave mechanics; modern applications of physics. Prerequisite: a minimum of two years of college mathematics.

PHYSICAL EDUCATION AND HEALTH

One hour a week of physical education is required of all freshmen. Exercise is offered through volleyball, tennis, hiking, basketball, handball, badminton, table tennis, and rhythmic drill.

Social Studies

31. PHYSIOLOGY AND HYGIENE 2 CREDITS
Fundamental principles of anatomy and physiology of the human body.

43. FIRST AID 2 CREDITS
A knowledge of first aid for injuries in the home, school and community.

THE DIVISION OF SOCIAL STUDIES

The Division of Social Studies is organized to achieve the following specific goals of the liberal arts program of the college:

1. To give that knowledge of social sciences which is most desirable for intelligent citizenship.
2. To lead the student to a better understanding of the present in the light of the forces which have made it.
3. To develop a correct understanding of the student's relationship to her fellowmen.
4. To train the student in the critical use of sources.
5. To prepare students to teach in the areas of Social Studies.

ECONOMICS

50. PRINCIPLES OF ECONOMICS 3 CREDITS
Economics: its nature and problems, production, income, consumption, price determination, distribution of national income, money, credit and banking, government finance, domestic economic problems, international economic problems, comparative economic systems.

151. ECONOMIC HISTORY OF THE UNITED STATES 3 CREDITS
Economic influences on our national life; recurring waves of prosperity, overexpansion, depression, and movements for reform; the close relationship of agriculture, labor, industry, transportation and finance, with the clash of sectional interests, and with politics.

GEOGRAPHY

1. PRINCIPLES OF GEOGRAPHY 3 CREDITS
Basic principles of modern geography; elements of meteorology; climate; resources; the interaction of environment and man in various regions of the world.

HISTORY

Major: 30 hours including 1, 2, 31, 32, 171, and 16 hours in upper division courses.

Minor: 20 hours including 1, 2, 31, 32, and 8 hours in upper division courses.

Madonna College

1, 2. WORLD CIVILIZATION 3, 3 CREDITS

Development of religious, economic, political and cultural trends from the earliest origins of man to 17th century; and from the 17th century to the present times, with special emphasis on the various factors of change in the ancient and medieval cultures of the world basic for an understanding of contemporary problems especially in Europe, Asia and the Americas.

31, 32. AMERICAN HISTORY 3, 3 CREDITS

Political, social, economic and cultural development of the United States from the early colonial period, through the Revolution, the period of national expansion and the Civil War; major problems in the development of the United States through the period of Reconstruction, Big Business, Imperialism, and the two World Wars to the present World Leadership.

105, 106. CHURCH HISTORY 2, 2 CREDITS

From the beginning of Christianity to the Middle Ages. From the Middle Ages to the present time.

46

115. MEDIEVAL CIVILIZATION, 476-1600 3 CREDITS

Religious, cultural, political, economic and social movements in medieval Europe with emphasis on feudalism, chivalry, the Church and the Empire, the Crusades, Renaissance and Reformation.

131. EUROPE, 1815-1918 3 CREDITS

Romanticism, nationalism and the effects of materialistic philosophies and natural science; the ensuing international rivalries leading to World War I and its aftermath.

132. EUROPE SINCE 1918 3 CREDITS

Political, social and economic movements between the two World Wars, the problems of the League of Nations and United Nations, the present quest for peace.

152. CONTEMPORARY PROBLEMS 2 CREDITS

An appraisal of the present economic, political, social and cultural problems as reported in the press and on the radio.

153. UNITED STATES IN THE TWENTIETH CENTURY 3 CREDITS

Development of the United States as a world power; the social, economic, cultural and political changes in the contemporary era.

161. HISTORY OF LATIN AMERICA 3 CREDITS

Colonial period, the struggle for independence, the rise of nations, with special stress on the present relations with the United States.

Social Studies

164. THE FAR EAST

3 CREDITS

Consideration of China, Japan, India and South-East Asia through a general survey of the early backgrounds, followed by a specific study of political and social developments of these areas in the modern period; through World War I and II to recent crisis and to problems of contemporary times.

165. HISTORY OF RUSSIA

3 CREDITS

Cultural and political history of early and modern Russia with emphasis on contributions of the Romanovs, especially of Peter the Great and Catherine the Great towards the westernization of modern Russia; various phases of Soviet foreign and domestic policy in the nineteenth and twentieth centuries; reaction and repression; the Revolutions of 1905 and 1917; World War I and II and post-war era of U.S.S.R.

171. SENIOR SEMINAR

2 CREDITS

A course designed to help history majors to integrate previous knowledge acquired in this field and to correlate it with related fields. Survey of historical literature and reference material.

POLITICAL SCIENCE

51. AMERICAN GOVERNMENT

3 CREDITS

Fundamental principles of American democracy. Essentials of the American political system; the organization, powers, functions and services of the national government.

101. INTERNATIONAL RELATIONS

3 CREDITS

Contemporary international politics; nationalism; imperialism and totalitarianism; foreign policies of the major powers.

145. SOCIAL ENCYCLICALS

3 CREDITS

(See Soc. 145.)

152. CONTEMPORARY PROBLEMS

2 CREDITS

(See Hist. 152.)

SOCIOLOGY

Major: 30 hours including 51, 104, 121, 133, 137, 152, 160.

Minor: 20 hours including 104, 121, 145.

51. ELEMENTS OF SOCIOLOGY

3 CREDITS

Foundations and principles of sociology; social order, social control, social institutions, social life.

Madonna College

104. HUMAN DEVELOPMENT AND ADJUSTMENT 3 CREDITS
(See Education 104.)
121. SOCIAL PROBLEMS 3 CREDITS
General problems of social and physical disorganization including poverty and unemployment, crime, and delinquency, race relations, population.
133. THE FAMILY 3 CREDITS
Origin, nature and purpose of the family; effect of secularism upon modern family; the focal point of woman in the family.
136. CHILD WELFARE 3 CREDITS
Historical background of child welfare and modern child welfare problems.
137. SOCIAL PSYCHOLOGY 3 CREDITS
Problems of social behavior; social aspects of personality in group living. Prerequisite: Education 101.
145. THE SOCIAL ENCYCLICALS 3 CREDITS
Social and political thought in papal documents during the 19th and 20th centuries.
146. CONTEMPORARY SOCIAL MOVEMENTS 3 CREDITS
Contemporary economic, religious, and political movements with reference to their impact on social life.
152. THE HISTORY OF SOCIAL THOUGHT 3 CREDITS
Social thought from the earliest civilizations to the present century. Particular emphasis placed upon the development of sociological theory in the United States and contemporary modern trends.
160. READINGS IN SOCIOLOGY 2-3 CREDITS
Directed readings of modern works in the various fields of sociology enabling the student to analyze social phenomena.
172. INTRODUCTION TO THE FIELD OF SOCIAL WORK 2 CREDITS
Principles and procedures of social work, especially for those who plan as a vocation some aspect of social work; classroom work supplemented by visits to typical local social agencies.
173. SOCIAL WELFARE 3 CREDITS
Development and organization of social welfare; structure and scope of public assistance; function of social worker in public welfare services.
175. GENERAL SOCIAL CASE WORK PROCESSES 2 CREDITS
Orientation course in case work introducing methods of giving services to individuals through such agencies as family welfare agency, public welfare departments, and juvenile courts.

Applied Arts and Sciences

176. FIELD EXPERIENCE

3 CREDITS

Professionally supervised practical experience in social service in an agency. Prerequisite: Sociology 172 and 175.

177. FIELD EXPERIENCE SEMINAR

2 CREDITS

Relating theory to experience; evaluation of social welfare agency policies and procedures; student reaction to assignment, adjustment, and use of supervision in agency placement. Group discussions, use of actual case material, reports on selected reading. Prerequisite: Sociology 176.

THE DIVISION OF APPLIED ARTS AND SCIENCES

Curricular programs within the framework of liberal arts but geared toward professional preparation of students constitute the Division of Applied Arts and Sciences. In this division are included the areas of study in which application of the principles of arts and sciences is emphasized: business, education, home economics, journalism, medical technology, nursing, and sociology as preparation for social work. The aim of this division is to give such flexibility to the curriculum which will develop in a liberally educated person the competence and skills basic to the particular professions.

49

BUSINESS

Minor: 20 hours including 17, 53 or 54, 55 and 56.

11, 12. TYPEWRITING

2, 2 CREDITS

Keyboard control; typewriting technique; acceleration and skill practice; development of accuracy; centering, tabulation, and letter writing. Four hours a week each semester; without credit toward the degree.

13, 14. STENOGRAPHY

2, 2 CREDITS

Fundamental principles and theory of Gregg Shorthand.

17. ADVANCED TYPEWRITING

2 CREDITS

Speed practice, figure tabulation, stenciling, mimeographing, various styles of business letters, manuscript and legal forms. Prerequisites: Bus. 11 or 12.

53, 54. OFFICE MANAGEMENT AND PRACTICES

2, 2 CREDITS

Theory of office management combined with office practices and techniques; management and organization of the office; functional office layout and equipment; office personnel: selection, training, and supervision; automation in the office, organizing and controlling office services; executive control of office work; filing, business correspondence, and office machines.

Madonna College

55, 56. ACCOUNTING

3, 3 CREDITS

Fundamental principles of accounting as applied to sole proprietorships, partnerships, and corporations: the accounting cycle, working papers, financial statements, controlling accounts, subsidiary ledgers, basic partnership problems and principles of corporation accounting.

105. PRINCIPLES OF MARKETING

3 CREDITS

Evolution and nature of modern marketing methods, selection and use of wholesale and retail channels of distribution; problems of the consumer; marketing functions, policies, costs, and government relationship.

137. BUSINESS LAW

3 CREDITS

Law in relation to business contracts, negotiable instruments, sales, agencies, partnerships, corporations, and bailments.

143, 144. ADVANCED DICTATION AND TRANSCRIPTION

3, 3 CREDITS

Development of speed in taking and transcribing shorthand notes, with special emphasis on accuracy. Prerequisites: Bus. 13, 14.

EDUCATION

To qualify for admission to the Teacher Education Program, the applicant must meet the following requirements by the end of the sophomore year:

1. A point average of 2.0 or higher
2. A minimum of 30 hours of contact with children
3. Proficiency in oral and written communication and reading
4. Personal integrity, emotional stability, and social competence
5. Good physical condition—vision, hearing, and general health

The College reserves the right to refuse admission to professional courses to any student with deficiencies in the above requirements until the same have been corrected through remedial work.

The Teacher Education Program is designed to qualify the applicant for a bachelor's degree and the Michigan State Provisional Certificate on the elementary or secondary level. To be recommended by the College for certification, the prospective teacher must meet the following requirements:

1. Complete work in one teaching major of 30 semester hours or one group major of 36 semester hours.
2. Complete a planned program of 20 semester hours in elementary curriculum or a teaching minor of 20 semester hours or a group minor of 24 semester hours for secondary certification.
3. Complete 20 semester hours of work in professional education.

Applied Arts and Sciences

The twenty semester hours for a minor in elementary curriculum must be earned from the following required courses: Education 170, English 105, Mathematics 41, 42, Music 47, Science 1, 2; and from the elective courses in Art 101, Geography 1, and Speech 53.

Before being admitted to Directed Teaching, the applicant for a secondary certificate must have achieved a minimum grade-point average of 2.3 in her major field; and the applicant for the elementary certificate should have the same standing in elementary curriculum.

101. GENERAL PSYCHOLOGY

3 CREDITS

Nature and scope of psychology; bases of human cognition: sensation, perception, imagination, memory, learning, thinking; dynamics of human behavior: emotion, feeling, motivation, volition; conflicts and adjustment; individuality and its appraisal; statistical concepts and psychological measurement.

104. HUMAN DEVELOPMENT AND ADJUSTMENT

3 CREDITS

Basic concepts of growth, development, maturation, learning and habit formation; consideration of the stages of development, factors conditioning successive stages of development of personality; modes of adjustment. Lectures and discussions supplemented with systematic observations and laboratory experiences with children in the Psycho-Educational Center.

107. PSYCHOLOGY OF THE ADOLESCENT

3 CREDITS

The adolescent in the school, the home and the community; training the adolescent for successful membership in society by guiding the total development of personality.

124. EDUCATIONAL MEASUREMENTS

3 CREDITS

The history of tests; the theory and principles of administration, interpretation and evaluation of achievement, diagnostic and intelligence tests; use of tests in diagnosis and guidance.

126. AUDIO-VISUAL AIDS

2 CREDITS

Principles underlying the selection and use of audio-visual aids for instructional purposes.

147. SCHOOL LIBRARY ORGANIZATION AND ADMINISTRATION

3 CREDITS

Principles of organization and administration of school libraries. Sources and methods of acquisition, purchase and preparation of books and library materials in a school library.

148. REFERENCE WORK

3 CREDITS

Theory and techniques of general reference tools, practices and services. An intensive study of the various types of basic reference books, such as the encyclopedias, dictionaries, yearbooks and annuals, handbooks, etc.

Madonna College

149. ELEMENTARY CATALOGING AND CLASSIFICATION 3 CREDITS

Organization of library collection for use; elementary principles and fundamentals of classification; brief study of the Dewey Decimal Classification and the principles of simple cataloging, treated with the teacher-librarian and school library patrons in mind. Laboratory work.

150. PRINCIPLES OF BOOK SELECTION 3 CREDITS

Principles and policies for selecting and evaluating books, pamphlets, periodicals, and other materials needed to enrich the school curriculum. Techniques and practices in annotating and reviewing books, compiling book lists, checking copyright dates, editions, series, etc.

152. DIRECTED OBSERVATION OF METHODS AND MATERIALS
IN THE ELEMENTARY SCHOOL 2 CREDITS

Methods and materials in the elementary school curriculum; opportunities for observing instructional activities; participation in professional laboratory experiences.

153 TO 164. DIRECTED OBSERVATION OF METHODS AND
MATERIALS IN THE SECONDARY SCHOOL 2 CREDITS

Special methods in the subject-matter fields in which the student expects to teach; opportunities for observing classroom procedures; participation in professional laboratory experiences.

153. METHODS IN ENGLISH

157. METHODS IN SOCIAL STUDIES

159. METHODS IN MATHEMATICS

160. METHODS IN ART

163. METHODS IN SCIENCE

164. METHODS IN HOME ECONOMICS

165. DIRECTED TEACHING 3-6 CREDITS

Student observation of the work of successful teachers; planning instruction and teaching in classroom situations; assisting with cocurricular activities; study of children and the community in which they live; participating in professional meetings; conferring regularly with cooperating teacher and college supervisor.

167. FOUNDATIONS OF EDUCATION I 3 CREDITS

An interdisciplinary approach to the study of education; emphasis on the philosophical and psychological implications; aims and values in education; the learner and the learning environment in the school.

168. FOUNDATIONS OF EDUCATION II 3 CREDITS

An interdisciplinary approach to the study of education; emphasis on the historical, social and cultural implications; the school as an educational institution, its historical development, functions and responsibilities; the teacher in the American school system; intercultural relationships in the school.

Applied Arts and Sciences

170. READING AND OTHER LANGUAGE ARTS IN THE
ELEMENTARY SCHOOL

2 CREDITS

Fundamentals of reading instruction; principles and methods of teaching writing, spelling, listening and speaking.

172. IMPROVEMENT OF READING

3 CREDITS

Identification of reading difficulties; methods in diagnostic and remedial work; use of tests and clinical apparatus in improvement of reading; observation and laboratory experiences with children in the Psycho-Educational Center.

174. MATHEMATICS FOR TEACHERS

2 CREDITS

Content and method of contemporary mathematics for elementary grades with consideration of current literature in mathematics education. Prerequisites: Math. 41, 42.

175. WORKSHOP IN READING AND LISTENING

2 CREDITS

Mechanics of reading; reading skills; improvement of comprehension; selection and evaluation of books for children; appraisal of reading efficiency; development of the listening skills and application to other areas; lectures, demonstrations, discussions, conferences, audio-visual aids.

187. SCHOOL ADMINISTRATION AND SUPERVISION

3 CREDITS

Principles and practices of organization and administration of elementary and secondary schools; curricular organization and instructional supervision; school and community relations.

191. GUIDANCE AND PERSONNEL SERVICES

3 CREDITS

Principles and techniques in organizing, administering and evaluating guidance and personnel services at various school levels. Coordination of guidance program with community services and school activities.

HOME ECONOMICS

Major: 30 hours including 11, 16, 53, 63, 121, 127, 133, 153, 158.

Requisites from other fields: Chemistry 25, 57.

Minor: 20 hours including 11, 16, 121, 157, or 158.

11. FOODS

3 CREDITS

General principles of food selection and preparation. Lecture 2 hours, laboratory 3 hours.

16. CLOTHING

3 CREDITS

Fundamental principles of clothing selection and construction; use of commercial patterns; care and use of sewing machines. Lecture 2 hours, laboratory 2 hours.

53. TEXTILES

3 CREDITS

Fabrics, with reference to construction, finish, characteristics, fibers, use



and care of; application to clothing and the house. Lecture 2 hours, laboratory 2 hours.

56. COSTUME DESIGN 2 CREDITS

Principles of color and design as related to dress, personality types; creative and adaptive designing for various occasions.

63. NUTRITION AND DIETETICS 3 CREDITS

Basic concepts of nutrition applied to maintenance of health, growth and development and their application to diet therapy in the treatment of disease.

104. HUMAN DEVELOPMENT AND ADJUSTMENT 3 CREDITS
(See Education 104.)

105. MARKETING 3 CREDITS
(See Business 105.)

121. MEAL SERVICE 2 CREDITS

Planning, preparation, and service of meals for various occasions with special reference to selection and to cost. Lecture 2 hours, laboratory 2 hours.

127. HOME MANAGEMENT 3 CREDITS

Residence in the home management house with directed experience in group living, fostering relationships in the maintenance of satisfying home and family living by applying principles of proper management of time, energy, and finances.

133. THE FAMILY 3 CREDITS
(See Sociology)

135. CHILD CARE AND GUIDANCE 2 CREDITS

Care and training of children during their developmental periods; observation of children as related to home and school.

153. ADVANCED CLOTHING 3 CREDITS

Garment construction in silk and wool material based on the use of commercial patterns and pattern alterations; principles of fitting.

Applied Arts and Sciences

155. HISTORIC COSTUME

2 CREDITS

The historic background of the various periods of dress with reference to its influence on contemporary dress.

157. HOME PLANNING

2 CREDITS

Planning the family house according to the principles of art, economy, and comfort; house plans and housing legislation; survey of historic and modern architectural styles.

158. INTERIOR DECORATION

2 CREDITS

Principles of color and design applied to interiors of homes and architectural styles; study of floor plans; a brief history of period furniture.

161. ADVANCED NUTRITION

2 CREDITS

Relation of physiological status and nutritional deficiency with special emphasis on the prevention and therapy of nutritional diseases. Study of current literature dealing with medical investigations in the science of nutrition. Prerequisites: Home Economics 68; Chemistry 25, 57.

JOURNALISM

Minor: 20 hours, including 51 and 52.

51. NEWSPAPER REPORTING

3 CREDITS

Organization of the modern newspaper; news values and news sources; structure of the news story; practical training in gathering and writing typical news reports. Lecture 2 hours, laboratory 2 hours.

52. EDITING AND COPYREADING

3 CREDITS

Principles of editing, headline writing, page make-up, use of pictures; elements of mechanical production of the newspaper; legal and ethical aspects; analysis of modern trends and techniques. Lecture 2 hours, laboratory 2 hours.

112. EDITORIAL WRITING

2-3 CREDITS

Nature, structure, and function of the editorial; study of Aristotle's *Rhetoric* and application of his means of persuasion to editorial writing; types of editorials and editorial articles; editorial page layout and content; objectivity and morality of value judgments.

120. HISTORY OF JOURNALISM

2 CREDITS

Historical development of the press in the United States; a survey of American newspapers and newspapermen; current journalistic trends and practices as an outgrowth of the past.

140. ADVERTISING

3 CREDITS

Basic principles and techniques of advertising, copywriting and layout; psychological and moral aspects of advertising.

145. SCHOOL PUBLICATIONS

2-3 CREDITS

Purpose, content, and layout of school newspapers, yearbooks, and

Madonna College

magazines; staff organization and direction; business management.

150. MAGAZINE ARTICLE WRITING 3 CREDITS

Types of non-fiction articles for magazines; magazine markets; production of articles for publication.

161. PUBLIC OPINION AND PROPAGANDA 3 CREDITS

Nature of public opinion and propaganda; measurement of public opinion; various factors influencing public opinion; propaganda techniques; means of offsetting fallacious emotional appeals and arguments.

MEDICAL TECHNOLOGY

The curriculum in Medical Technology leads to the Bachelor of Science degree and is designed to meet the requirements for certification by the Registry for Medical Technologists of the American Association of Clinical Pathologists. Upon successful completion of this curriculum the student qualifies for work in a hospital laboratory, a physician's office, or a medical research institution.

The student in Medical Technology in the first three academic years takes a minimum of 98 semester hours in a recommended program at the College; in the fourth year, she serves a twelve-month period of internship at a hospital approved by the Registry of Medical Technologists. Although the student is free to choose any approved school, Madonna College is affiliated with St. Mary Hospital in Livonia and St. Mary Hospital in Saginaw.

The degree of Bachelor of Science is conferred upon the satisfactory completion of all course requirements and clinical experience.

NURSING

The Madonna College program in Nursing is based on the belief that the professional nurse needs a liberal education with emphasis on the basic biological, physical and social sciences to meet the needs of our society and the challenge of the ever increasing knowledge in the fields of medicine and nursing.

1, 2. ORIENTATION TO NURSING I, II CREDIT

An orientation to the basic collegiate nursing program and the philosophy and concepts of nursing in contemporary society.

31. INTRODUCTION TO NURSING 2 CREDITS

Development of professional attitudes, understandings and beginning skills necessary for meeting basic needs of patients.

Applied Arts and Sciences

53, 54. FOUNDATIONS OF NURSING I, II

6, 5 CREDITS

Basic fundamental principles of nursing care, related to techniques, treatments and nurse-patient rapport meeting the physical, emotional and spiritual needs of the patient. Prerequisites: Biology 43 and Nursing 31.

64. PHARMACOLOGY

3 CREDITS

Fundamentals of pharmacology; pharmacologic agents commonly used in treating disease; their properties, action, effects and administration, as a foundation for application in all clinical areas. Prerequisites: Biology 43, Nursing 53; corequisite Nursing 54.

105, 106. MEDICAL-SURGICAL

10, 10 CREDITS

A study of: the complex needs of patients with medical and surgical diseases; the causes of the pathology; the underlying principles used in its medical treatment; and the comprehensive nursing care involved. Prerequisites: Nursing 53, 54, 64, and Home Economics 63.

131. MATERNITY NURSING

7 CREDITS

Principles of obstetrics; maternity and newborn nursing care; parent-education; community resources for maternal and infant care.

143. NURSING OF CHILDREN

9 CREDITS

Growth and development of children; effects of disease and hospitalization on the individual child, his parents and family; community resources for child welfare.

147. PSYCHIATRIC NURSING

7 CREDITS

Principles of psychiatric nursing applied to nursing care of patients with emotional and psychotic disorders; focus on the role of the nurse in a psychiatric setting.

152. PROFESSIONAL ADJUSTMENT SEMINAR

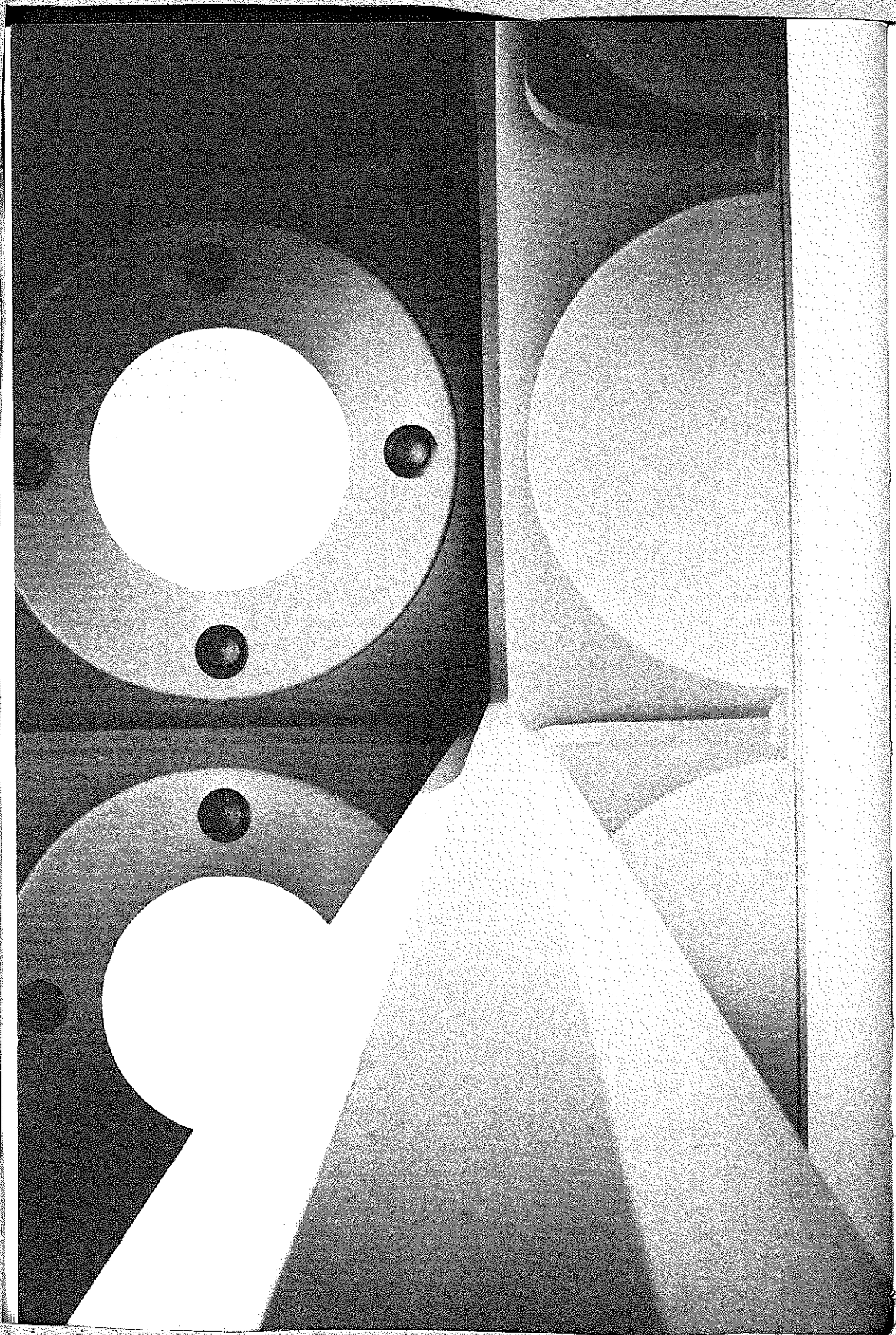
3 CREDITS

Consideration of the responsibilities and opportunities of professional nurses in contemporary society; a study of the organizations of the profession; independent practice of nursing with leadership opportunities.

162. PUBLIC HEALTH NURSING

9 CREDITS

Basic concepts of public health practice with emphasis on public health nursing.



Directories

BOARD OF TRUSTEES

Mother Mary Laudine, M.A.	<i>Chairman</i>
Sister Mary Dominic, M.Ed.	<i>Vice Chairman</i>
Sister Mary Aurelia, M.A.	<i>Secretary</i>
Sister Mary Theresilla, M.A.	
Sister Mary Hugolina, Ph.D.	
Sister Mary Pachomia, B.S.	<i>Treasurer</i>

ADVISORY BOARD

Thomas Bosco	Edwin J. Lucas
Ed Carey	Honorable Judge Machrowicz
Lou Carlo	James McCoy
Earl Demel	Donald Roach
W. W. Edgar	George Rovin, D.D. Sc.
Gerard R. Hassett, M.D.	Jerry Scully
George L. Hawkins	Honorable Benjamin Stanczyk
Anton Jakobs	Robert Svoboda
Iva Kaufman	Charles Vansen
John Kochmanski	Benton Yates

59

OFFICERS OF ADMINISTRATION

Sister Mary Danatha, M.S.	<i>President</i>
Sister Mary Lauriana, Ph.D.	<i>Dean</i>
Sister Mary Remigia, M.A.	<i>Registrar and Director of Admissions</i>
Sister Mary Madonna, M.S.	<i>Dean of Students</i>
Sister Mary Bertha, M.A.	<i>Business Manager</i>
Sister Mary Calasantia, M.A.H.A.	<i>Director of Nursing</i>
Sister Mary Harold, M.A.	<i>Director of Residence</i>

LIBRARY SERVICE

Sister Mary Petronia, M.A., B.A.L.S.	<i>Librarian</i>
---	------------------

HEALTH SERVICE

Mitchell Salhaney, M.D.	<i>Consulting Physician</i>
Sister Mary Calasantia, M.A.H.A.	<i>Consulting Nurse</i>
Sister Mary Walburga, R.N., B.S.	<i>Resident Nurse</i>

FACULTY COMMITTEES

ON ADMISSIONS AND SCHOLARSHIPS

The Registrar, the Deau, the Director of Nursing and a Faculty Member

Madonna College

ON CURRICULUM AND EDUCATIONAL POLICY

The Dean, the Registrar, the Director of Nursing and the Divisional Chairmen

ON LIBRARY

The Librarian, the Dean, and the Divisional Chairmen

ON CAMPUS LIFE

The Dean of Students, Director of Residence, Resident Supervisors, and Student Representatives

ON TEACHER EDUCATION

Coordinator of Teacher Education, Chairman of the Department of Education, Community School Supervisors, and a Faculty Representative of each Division

COMMITTEE ON NURSING

The Director of Nursing, the Dean, the Director of Service and two faculty members.

The President is, ex-officio, member of all committees.

60

THE FACULTY

THE DIVISION OF THEOLOGY AND PHILOSOPHY

Sister Mary Assunta, M.A.	<i>Theology</i>
Sister Mary Bernetta, M.A.	<i>Theology</i>
Reverend Leon O. Kennedy, S.T.D.	<i>Philosophy, Theology</i>
Sister Mary Mercita, M.A.	<i>Philosophy</i>
Reverend Joseph Rybinski, S.T.D.	<i>Theology</i>

THE DIVISION OF THE HUMANITIES

Sister Mary Angeline, Ph.D.	<i>Art</i>
Sister Mary Catherine, M.A.	<i>English</i>
Sister Mary Damascene, Ph.D.	<i>English</i>
Sister Mary David, M.F.A.	<i>Art</i>
Sister Mary Hugolina, Ph.D.	<i>French, Spanish</i>
Barbara Jupp, M.A.	<i>Art</i>
Lee O'Connell, M.A.	<i>English, Speech</i>
Sister Mary Paulette, M.M.	<i>Music</i>
Sister Mary Raynelda, Ph.D.	<i>English</i>
Sister Mary Yolanda, M.A.	<i>Latin, Polish</i>

THE DIVISION OF NATURAL SCIENCES AND MATHEMATICS

Sister Mary Bonavita, M.S.	<i>Physics</i>
Sister Mary Danatha, M.S.	<i>Biology</i>
Sister Mary Dennis, Ph.D.	<i>Chemistry</i>
Sister Mary Joela, M.S.	<i>Chemistry</i>

Directories

Sister Mary Karen, M.A.	Mathematics
Sister Mary Madonna, M.S.	Biology
Sister Mary Stephanie, M.Ed.	Biology
Sister Mary Virgilia, M.S.	Mathematics

THE DIVISION OF SOCIAL STUDIES

Sister Mary Bertha, M.A.	Economics
Sister Mary Julia, M.S.S.W.	Sociology
Sister Mary Digna, M.A.	History
Sister Mary Nicolette, M.A.	History
Sister Mary Nunciata, M.A.	Sociology
Sister Mary Petronia, M.A.	History
Sister Mary Remigia, M.A.	Political Science

THE DIVISION OF APPLIED ARTS AND SCIENCES

Sister Mary Assumpta, M.S.Ed.	Education
Sister Mary Bertha, M.A.	Business
Sister Mary Bonfilia, M.A.	Education
Sister Mary Bridget, M.Ed.	Home Economics
Sister Mary Dosithea, M.A.	Home Economics
Sister Mary Harold, M.A.	Journalism
Very Reverend Vincent J. Horkan, Ph.D.	Education
Sister Mary Humilitas, M.S.N.	Nursing
Sister Mary Lauriana, Ph.D.	Education
Sister Mary Louanne, M.S.	Nursing
Sister Mary Martina, Ph.D.	Education
Sister Mary Maureen, M.S.N.	Nursing
Sister Mary Michaellette, M.S.	Nursing
Rita Radzialowski, M.A.	Nursing
Sister Mary Theresilla, M.A.	Education
Sister Mary Tullia, M.A.	Journalism

Madonna College

YEARLY CALENDAR

1965

SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
.. . . . 1 2 3 4	.. . . . 1 2	.. 1 2 3 4 5 6	.. . . . 1 2 3 4
5 6 7 8 9 10 11	3 4 5 6 7 8 9	7 8 9 10 11 12 13	5 6 7 8 9 10 11
12 13 14 15 16 17 18	10 11 12 13 14 15 16	14 15 16 17 18 19 20	12 13 14 15 16 17 18
19 20 21 22 23 24 25	17 18 19 20 21 22 23	21 22 23 24 25 26 27	19 20 21 22 23 24 25
26 27 28 29 30 . . .	24 25 26 27 28 29 30	28 29 30	26 27 28 29 30 31 . .
.	31 . . . . .	. . . . .	. . . . .

1966

JANUARY	FEBRUARY	MARCH	APRIL
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
.. . . . 1	.. . . . 1 2 3 4 5	.. . . . 1 2 3 4 5	.. . . . 1 2
2 3 4 5 6 7 8	6 7 8 9 10 11 12	6 7 8 9 10 11 12	3 4 5 6 7 8 9
9 10 11 12 13 14 15	13 14 15 16 17 18 19	13 14 15 16 17 18 19	10 11 12 13 14 15 16
16 17 18 19 20 21 22	20 21 22 23 24 25 26	20 21 22 23 24 25 26	17 18 19 20 21 22 23
23 24 25 26 27 28 29	27 28	27 28 29 30 31	24 25 26 27 28 29 30
30 31 . . . . .	. . . . .	. . . . .	. . . . .

62

MAY	JUNE	JULY	AUGUST
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7	.. . . . 1 2 3 4	.. . . . 1 2	.. 1 2 3 4 5 6
8 9 10 11 12 13 14	5 6 7 8 9 10 11	3 4 5 6 7 8 9	7 8 9 10 11 12 13
15 16 17 18 19 20 21	12 13 14 15 16 17 18	10 11 12 13 14 15 16	14 15 16 17 18 19 20
22 23 24 25 26 27 28	19 20 21 22 23 24 25	17 18 19 20 21 22 23	21 22 23 24 25 26 27
29 30 31	26 27 28 29 30	24 25 26 27 28 29 30	28 29 30 31
. . . . .	. . . . .	31 . . . . .	. . . . .

SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
.. . . . 1 2 3	.. . . . 1	.. . . . 1 2 3 4 5	.. . . . 1 2 3
4 5 6 7 8 9 10	2 3 4 5 6 7 8	6 7 8 9 10 11 12	4 5 6 7 8 9 10
11 12 13 14 15 16 17	9 10 11 12 13 14 15	13 14 15 16 17 18 19	11 12 13 14 15 16 17
18 19 20 21 22 23 24	16 17 18 19 20 21 22	20 21 22 23 24 25 26	18 19 20 21 22 23 24
25 26 27 28 29 30 . .	23 24 25 26 27 28 29	27 28 29 30	25 26 27 28 29 30 31
.	30 31 . . . . .	. . . . .	. . . . .

1967

JANUARY	FEBRUARY	MARCH	APRIL
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7	.. . . . 1 2 3 4	.. . . . 1 2 3 4	.. . . . 1
8 9 10 11 12 13 14	5 6 7 8 9 10 11	5 6 7 8 9 10 11	2 3 4 5 6 7 8
15 16 17 18 19 20 21	12 13 14 15 16 17 18	12 13 14 15 16 17 18	9 10 11 12 13 14 15
22 23 24 25 26 27 28	19 20 21 22 23 24 25	19 20 21 22 23 24 25	16 17 18 19 20 21 22
29 30 31	26 27 28	26 27 28 29 30 31 . . .	23 24 25 26 27 28 29
. . . . .	. . . . .	. . . . .	30

MAY	JUNE	JULY	AUGUST
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
.. 1 2 3 4 5 6	.. . . . 1 2 3	.. . . . 1	.. . . . 1 2 3 4 5
7 8 9 10 11 12 13	4 5 6 7 8 9 10	2 3 4 5 6 7 8	6 7 8 9 10 11 12
14 15 16 17 18 19 20	11 12 13 14 15 16 17	9 10 11 12 13 14 15	13 14 15 16 17 18 19
21 22 23 24 25 26 27	18 19 20 21 22 23 24	16 17 18 19 20 21 22	20 21 22 23 24 25 26
28 29 30 31	25 26 27 28 29 30 . .	23 24 25 26 27 28 29	27 28 29 30 31
. . . . .	. . . . .	30 31 . . . . .	. . . . .

Academic Calendar

ACADEMIC CALENDAR

1965-1966	<i>First Semester</i>	1966-1967
September		September
13-15	Freshman Days	12-14
14	Registration	13
16	Mass of the Holy Spirit	15
16	Classes begin	15
October		October
4	Feast of St. Francis of Assisi	4
November		November
1	Feast of All Saints	1
8-12	Mid-semester examinations	7-11
25, 26	Thanksgiving recess	24, 25
December		December
8	Feast of the Immaculate Conception	8
17	Christmas recess begins after last class	16
January		January
3	Classes resume	3
17	Semester examinations begin	16
	<i>Second Semester</i>	
21	Registration	20
27	Classes begin	26
March		March
21-25	Mid-semester examinations	16-22
	Students' Retreat during Lent	
April		
6	Easter recess begins after last class	22
18	Classes resume	April 3
22, 23	Graduate Record Examinations	7, 8
May		May
7	Senior Comprehensive Examinations	6
19	Ascension Thursday	4
23	Final examinations begin	23
30	Memorial Day	30
June		June
1	Baccalaureate and Commencement Exercises	1
1966	<i>Summer Session</i>	1967
June		June
18	Registration	17
20	Classes begin	19
20	Mass of the Holy Spirit	19
July		July
28, 29	Final examinations	27, 28

Dates in the calendar are subject to change whenever circumstances require such.

INDEX

- Absences, 20
- Accreditation, 8
- Administration, Academic, 59
- Admission, 13
- Admission to Freshman Class, 13
- Advanced Standing, Admission to, 13
- Advisory Board, 59
- Art, 28
- Attendance, 20
- APPLIED ARTS AND SCIENCES, DIVISION OF, 49
- Biology, 40
- Board and Room, 9, 14
- Board, Advisory, 59
- Board of Trustees, 59
- Buildings, 9
- Business, 49
- Calendar, 62
- Calendar, Academic, 63
- Classification of Students, 19
- Chemistry, 41
- Clubs, 11
- Committees, Faculty, 59
- Comprehensive Examinations, 22
- Course Numbers, 19
- Dean's List, 21
- Degrees offered, 22
- Degrees, Requirements for, 22
- DIVISION OF
 - Theology and Philosophy, 25
 - Humanities, 27
 - Natural Sciences and Mathematics, 39
 - Social Studies, 45
 - Applied Arts and Sciences, 49
- Divisional Organization, 25
- Economics, 45
- Education, 50
- English, 30
- Elementary Curriculum, 50
- Entrance Requirements, 13
- Examinations
 - Admission by, 22
 - Comprehensive, 22
 - Mid-semester and semester, 21
 - Special, 20
- Expenses, 13
- Faculty, 60
- Faculty Committees, 59
- Fees, 14
- Financial Aid, 16
- French, 32
- Freshman Days, 19
- Geography, 45
- Grading System, 20
- Graduation Honors, 21
- Graduation, Requirements for, 22-23
- History, 45
- History of the College, 7
- Home Economics, 53
- Honor Point System, 21
- Honors
 - Dean's List, 21
 - Graduation, 21
- Housing, 9, 14
- HUMANITIES, DIVISION OF, 27
- Journalism, 55
- Latin, 32
- Library, 10
- Majors, 23
- Mathematics, 43
- Medical Technology, 56
- Minors, 23
- Music
 - Applied, 33
 - Theory, 35
 - Education, 35
- NATURAL SCIENCES AND MATHEMATICS, DIVISION OF, 39
- Nursing, 56
- Objectives, 8
- Organ, 34
- Organization, Divisional, 25
- Philosophy, 27
- Piano, 33
- Polish, 37
- Political Science, 47
- Reading Clinic, 7
- Refunds, 15
- Registration, 19
- Report of grades, 21
- Room and Board, 9, 14
- Scholarships, 16
- SOCIAL STUDIES, DIVISION OF, 45
- Sociology, 47
- Spanish, 37
- Speech, 38
- Student
 - Aid, 16
 - Association, 11
 - Classification, 19
 - Life, 10
 - Load, 19
 - Organizations, 11
- Teacher Education, 50
- Theology, 25
- THEOLOGY AND PHILOSOPHY, DIVISION OF, 25
- Trustees, Board of, 59
- Tuition and Fees, 14
- Unclassified Students, 13
- Voice, 34
- Withdrawal from courses, 21