

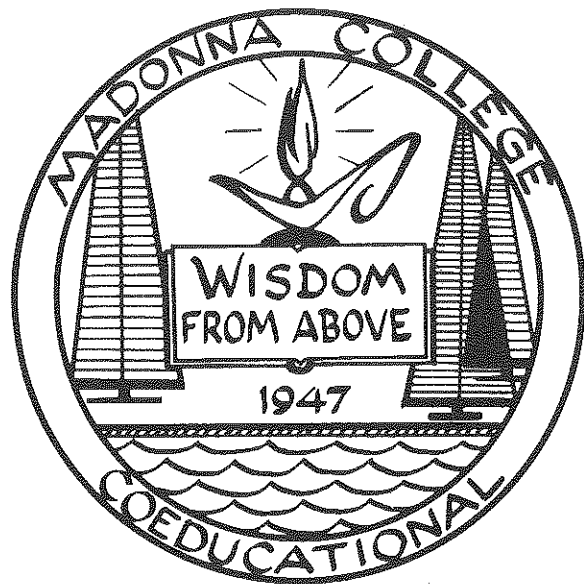
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MADONNA COLLEGE

COEDUCATIONAL
LIVONIA, MICHIGAN



BULLETIN 1978-1980



Cover design by Sister Mary Angeline.

*The symbols represent the three divisions:
Humanities, Natural Sciences, and Social Sciences.*

MADONNA COLLEGE BULLETIN

Vol. 25 — 1978-1980

(EFFECTIVE AS OF TERM I — 1978)

Madonna College guarantees the right to equal educational opportunity without discrimination because of race, religion, sex, age, national origin, or physical disability.



For information, call or write:

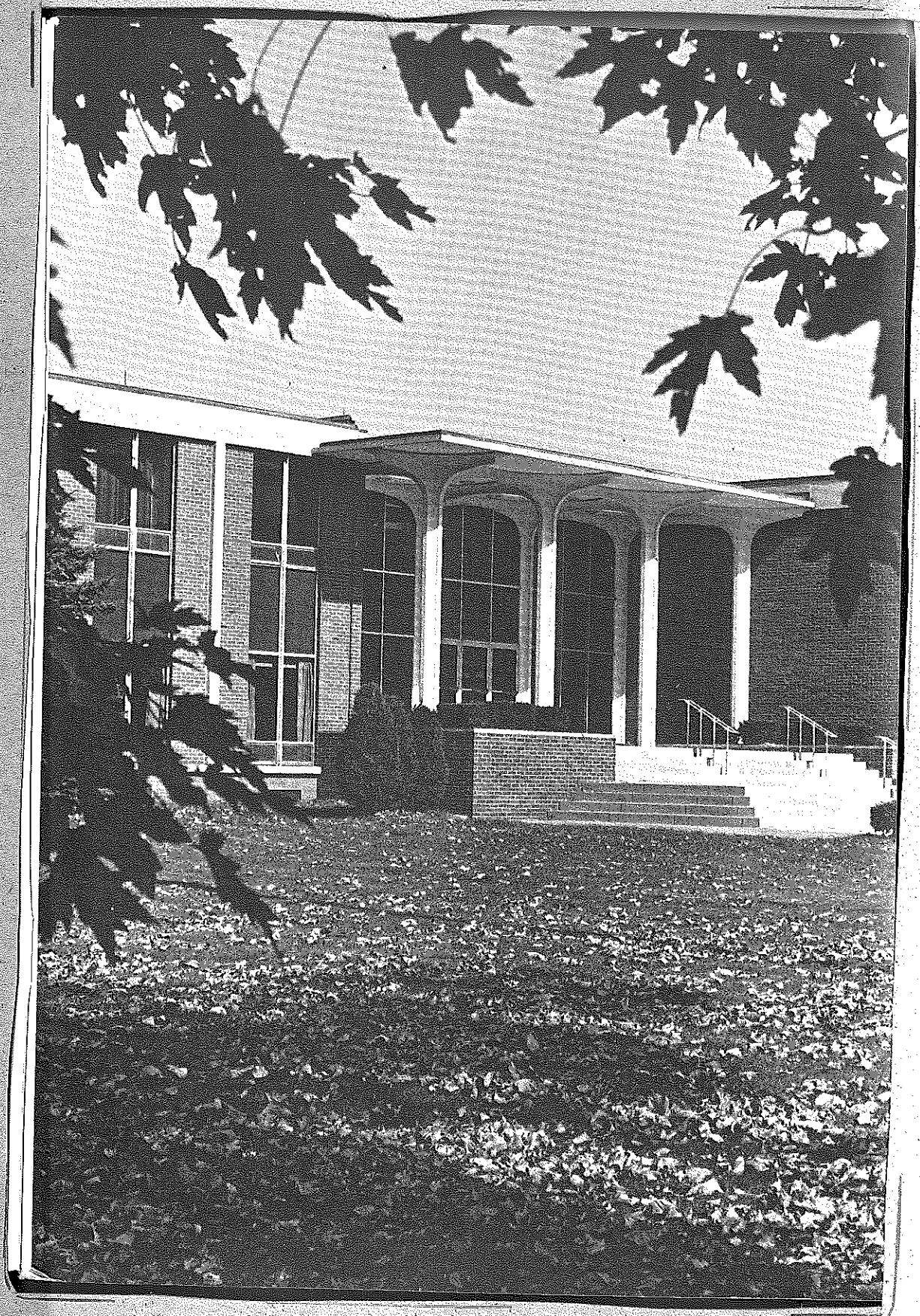
MADONNA COLLEGE
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Each Madonna College Student is responsible for compliance with contents of this Bulletin.

The College reserves the right to withdraw or modify information listed in this Bulletin.





The College

Madonna College is an independent, private college, rendering public service. It is a coeducational Catholic liberal arts institution sponsored by the Felician Sisters. The College offers programs leading to bachelor degrees, associate degrees, and certificates. Madonna College, founded as a four-year institution in 1947, is an outgrowth of Presentation Junior College (1937-1947.)

THE CAMPUS

Madonna College is located on a forty-nine acre campus in Livonia, Michigan, a fast-growing suburb of Detroit. The campus faces Schoolcraft Road and the Jeffries, I-96 Freeway (exit 173 at Levan or Newburg Roads) with easy access to downtown Detroit, the Detroit Metropolitan Airport, and to important state highways.

The College facilities consist of a modern complex of residence and academic buildings completed in 1965.

A two-story multi-purpose academic building houses administrative offices, classrooms, science and language laboratories and centers for instructional materials and equipment including (1) computer, (2) developmental reading and (3) health.

The library wing, built for 100,000 volumes, consists of a lower level open

stacks area and a second-floor periodical and reference room. The library has a spacious reading room and study carrels. It is equipped with a photo-copier, microfilm and microfiche readers, tape and record listening equipment. A separate unit houses audio-visual materials, television studio, and graphics room for all departments. The College has installed a computer terminal which is connected with the Ohio College Library Center in Columbus.

The Career Resource Center, a national model for liberal arts colleges, provides opportunities for career counseling and advising to students and persons of the community.

An Activities Center added to the academic structure in 1971 seats 1,000. It provides facilities for gymnastic activities, stage productions, convocations and lectures.

The residence halls furnish private and semi-private rooms for students. An adjoining student center includes visiting parlors, recreation lounges, the commons with a snack bar, spacious dining halls and a modern kitchen. A roof-covered patio and upper and lower terraces facing the pond afford a pleasant view for recreation and relaxation. Recently, modifications in the building have been made to remove barriers for the physically handicapped.

The Psycho-Educational Center of Madonna College is located on the ground floor in the east wing of the residence hall. It offers services to the surrounding communities in the form of diagnostic and remedial help for children and adults with reading and learning problems. In addition, the Center is used for laboratory experiences for pre-service and in-service teachers. The wing houses the instructional material center for the Teacher Education Department.

The Computer Center serves the faculty, students and administrators in programming and use of computer facilities. In 1979 the College will have an IBM 34 operated by computer center personnel, thus replacing the present IBM 32.

APPROVALS AND ACCREDITATIONS

State of Michigan Board of Education approval of four-year degrees, 1947
 teacher certifications, 1954, 1969
 vocational certification and authorization, 1969, 1974
 learning disabilities certification, 1974
 reading, 1977,
 emotionally impaired, 1978
 Michigan Board of Nursing, 1967
 North Central Association of Colleges and Schools, 1959, 1968, 1978.
 National League for Nursing, 1970
 National Council for Accreditation of Teacher Education, 1972
 Michigan Department of Public Health: Advanced Emergency Medical Technician, 1975

MEMBERSHIPS

American Association of Colleges for Teacher Education
 American Association of Collegiate Registrars and Admissions Officers

American Association for Higher Education
 American Council on Education
 American Library Association
 American Society of Allied Health Professions
 Association of American Colleges
 Association of Catholic Colleges and Universities
 Association of Governing Boards of Universities and Colleges
 Association of Independent Colleges and Universities of Michigan
 Career Educational Association
 Catholic Library Association
 College and University Personnel Association
 College Placement Council
 Cooperative Assessment of Experiential Learning
 Cooperative Education Association
 Council for the Advancement of Small Colleges
 Council of Social Work Education
 Detroit Area Consortium of Catholic Colleges
 Historical Society of Michigan
 Livonia Chamber of Commerce
 Michigan Association of Collegiate Registrars and Admissions Officers
 Michigan Colleges Foundation
 Michigan Committee for Jobs and Energy
 Michigan Criminal Justice Educators Association
 Michigan Registry of Interpreters for the Deaf
 National Association of College and University Attorneys
 National Association of College and University Business Officers
 National Association of the Deaf
 National Association of Independent Colleges and Universities
 National Commission for Cooperative Education
 National Fire Protection Association
 National League for Nursing
 North Central Association of Colleges and Schools

MISSION STATEMENT

The goal of Madonna College is to educate the whole person
in the attainment of Christian humanistic values
and the realization of service to others.

EDUCATIONAL OBJECTIVES

Within the framework of its liberal arts curriculum, the College envisions

THE MADONNA COLLEGE GRADUATE

to be a person who

1. Is aware of Christian moral principles and their practical application to personal, familial and societal living.
2. Supports a Judeo-Christian interpretation in all fields of learning by acquiring a sympathetic understanding of religions.
3. Has an active concern for the human dignity and welfare of each person.
4. Participates as an active member in one's community.
5. Possesses a spirit of inquiry to motivate one to continue to learn.
6. Communicates clearly and effectively in action as well as words.
7. Is prepared in one or more disciplines to continue or undertake further graduate work or to fill a productive and rewarding career.
8. Understands the artistic and aesthetic dimensions of culture and environment.
9. Has knowledge of the increasing and relentless impact of science and technology on the total human enterprise.
10. Is prepared for meaningful roles in the contemporary world by a study of the past and the present and a contemplation of the future.

Admissions

Madonna College welcomes students of all age levels and of various economic, racial, experiential and religious backgrounds. Admission is granted to applicants who can attain their educational goals within the philosophy and academic framework of the College.

Prospective students are expected to possess qualities of integrity, interests and talents that will enable them to contribute to and benefit from the life and programs at the College.

Applicants seeking admission to Madonna College send the following to the Director of Admissions:

1. Completed application forms and \$15.00 non-refundable fee (effective for new applicants as of September 1, 1978). High school students may submit applications as early as their junior year.
2. Official high school transcript or General Education Development (GED) results. Transfer students request official transcripts(s) from the college(s) they attended. To permit admission, these should indicate a minimum grade point average of 2.0.
3. The American College Testing (ACT) results are required of freshmen in nursing and other specified health fields, and recommended of all that enter within one year after high school graduation. Scholastic Aptitude Test (SAT) or other test results are optional.
4. Other documents as required by specific departments. The College reserves the right to request additional personal information and evidence of academic proficiency.

The files of applicants who are admitted for a specific term, but who do not enroll, are held in the Admissions Office for a period of one year following that term. After this period, non-registered applicants must apply for readmission.

Notification

The College follows a rolling admissions procedure which permits students to be accepted as they apply. Prospective students are required to apply for admission at least 15 days before the opening of the term. Notice of acceptance may be expected within a period of two weeks of receipt of the required application materials by the Admissions Office.

The Admissions Office may grant provisional acceptance (admission) to students, even if admission information is incomplete, thus qualifying them for financial aid and waiving the recording fee at registration.

Early Admission of High School Students

- a. High school students of superior ability who have completed their junior year may be admitted to the freshman class at Madonna College even though they have not completed their high school senior year. However, an unqualified recommendation from the high school principal must accompany such an application indicating that the student has a scholastic standing of 3.0 or better. A personal interview is required prior to admission.
- b. Also, superior senior high school students may enroll in one or more lower-division courses at Madonna College. It is thus possible for the

student to earn college credits while concurrently completing high school graduation requirements.

Transfer Students

Students transferring to Madonna College from either a two-year or four-year institution must provide evidence that they are in good academic and personal standing at their previous colleges. The Madonna College grading system is used to determine their grade point average.

All transfer students and students pursuing a second baccalaureate degree at Madonna College must complete the minimum requirements for the desired majors and/or at least 30 semester hours, which may include courses in General Education. Transfer students pursuing an associate degree at Madonna College must complete the minimum requirements for the desired majors and/or at least 15 semester hours.

Prior to transferring to Madonna College a student should make an appointment with the director or chairperson of the major area. The final determination of acceptable transfer credits is made by the Director of Admissions.

Graduates with Associate Degrees

Madonna College provides educational opportunities to graduates of community colleges who have earned associate degrees and are interested in pursuing bachelor degrees. These students are admitted to full junior standing. Ordinarily, a student may not transfer more than 64 semester hours or the equivalent from a two-year college into a bachelor program at Madonna College. The Associate of Arts or Associate of Science degree from a

community college is recognized as fulfilling the General Education requirements at Madonna College provided that the transfer courses conform with the Michigan Association of Collegiate Registrars and Admissions Officers (MACRAO) agreement. In addition, 8 semester hours of religious studies are required for a bachelor degree.

Advanced Standing for Older Students

Madonna College believes that higher education should be available to persons throughout their lifetime and not just immediately after high school graduation. The College welcomes all persons who wish to return to study later in life, either on full-time or part-time schedules. Military personnel, civil service employees, management and supervisory personnel from business and industry, housewives and personnel from allied health occupations may pursue degree programs appropriate to their lifetime interests. All applicants follow the regular admissions procedure.

Applicants who have acquired knowledge and competencies through professional and occupational training and experience are encouraged to apply for credit by examination or evaluation. At Madonna College a maximum of 60 semester hours of credit may ordinarily be earned in this manner.

Certified radiologic technologists, registered nurses, and other allied health personnel may receive a maximum of 32 semester hours based on demonstrated achievement and qualifying examinations related to their specific fields.

Candidates from other areas of specialization, e.g., law enforcement officers, fire protection and occupational safety, health personnel and social

work personnel, may receive up to 12 semester hours for on-the-job field experience and for related knowledge.

Each academic department determines the credit awarded for external study, experience and professional training. A personal interview with the director of a specific program is required.

International Students

International students are encouraged to apply for admission to the College at least one year before enrolling in classes. In addition to fulfilling the admission requirements previously listed, these students shall submit:

1. Official results of the Test of English as a Foreign Language (TOEFL) or of an equivalent English proficiency test.
2. A statement signed by the applicant's parent or guardian assuring full financial responsibility for the student.

Applicants to Madonna College who are graduates of a foreign high school must have academic preparation equivalent to that required of eligible U.S. high school graduates. Only applicants who indicate promise of academic success are admitted.

The Director of Admissions issues the I-20 form to the applicant.

Veterans

Madonna College is approved to train veterans of military services and their dependents under educational assistance programs established by the federal government. An Office of Veterans Affairs provides assistance to those who want to enroll at Madonna College either as freshmen or as transfer students.

The College conducts an individual-

ized tutorial assistance program for veterans who experience some deficiency in a subject required as part of, or prerequisite to, or indispensable to the satisfactory pursuit of their approved programs and who are pursuing a postsecondary program of education on at least a half-time basis. Supplementary allowance for individualized tutorial assistance may be claimed by the veteran under the G.I. Bill.

Application forms for education programs may be obtained from the Financial Aid Office or from the Veterans Administration Office. Form VA22-1990 is for those students applying for benefits for the first time; Form VA22-1995 is for students who have previously received veterans benefits.

A veteran who is not a high school graduate may be admitted on the basis of results of the Armed Forces Institute or other equivalency tests required by the Admissions Office.

Special Students

Non-admitted students are classified as "special students." Students under this classification may earn a maximum of 18 semester hours before admission is mandated. Students under special classification include: guest, consortium, senior citizen, high school and post-degree. Post-degree students who apply for certification must seek admission and pursue a minimum of 12 semester hours. Special students pay a recording fee of \$3.

Readmission

Former students of Madonna College who have not been in attendance for two years at the College or who have transferred meanwhile to another college are required to file an application for readmission.

Students who return to the College after an absence of two or more consecutive terms must meet the degree requirements of the Bulletin which is in

effect at the time of return. Credits earned in certain fields more than ten years prior to admission or readmission may not be valid as degree credits.

College Opportunity Program

A special program is available for incoming freshmen who do not satisfy the ordinary admissions requirements of the College but whose records and seriousness of purpose give evidence of possible success at the college level. Qualified admission is granted to applicants who satisfy the following prerequisites during the summer session after their high school graduation or in

the first semester of their freshman year:

1. Successful completion of ENG 099, Basic Writing Skills (2 credits but not applicable toward degree) and ENG 100, Developmental Reading (2 credits).
2. A "C" grade for courses pursued, including ENG 101, Communication Skills or ENG 200, Technical Writing.

Qualified admission implies that the student will carry a maximum of 12 semester hours during the first term.



Student Life

Madonna College endeavors to make student life a pleasant and enriching experience by promoting out-of-class involvement and extra-academic participation on the campus and in the larger community.

Organization

An important factor in the lives of the students is the atmosphere of mature responsibility and freedom. The Student Government promotes the interests and welfare of the student body and coordinates all campus clubs and activities. Club presidents are voting members of the Student Government; meetings are open to all students.

Students are members of the Standing Committees of the Board of Trustees and of the faculty. The committees assist in the formulation of guidelines for academic, religious, cultural and social programs. Students serve on the following Board of Trustees Standing Committees: Committee on Academic Affairs, Committee on Student Development, Committee on Financial Affairs, Committee on Physical Plant, and Committee on Public Relations and Development. The Faculty Standing Committees are: Admissions and Scholarships, Curriculum and Educational Policy, Library, Teacher Education, Cultural Affairs and Campus Ministry.

Also functioning at the Colleges are clubs, committees, and chapters organized on the basis of voluntary membership. These organizations provide opportunities for the development of

leadership qualities and expression of individual talents. Members engage in voluntary apostolic and social action, religious education instruction, tutorial programs, visitation and service to the elderly and convalescent, and specific involvement with the related issues of public concern. Existing at present on campus are the following clubs and organizations: Athletic, Gerontology, Home Economics and Family Life, Library, Nursing Committees, and campus chapters of national honor societies: Kappa Gamma Pi, Alpha Mu Gamma Epsilon Theta Chapter (foreign Language), and Lambda Iota Tau (Literary).

Academic Advising and Counseling

Students are assigned faculty members who assist them in developing a plan of studies to meet their professional requirements. In addition to the academic adviser, students have access to counselors who try to promote personal growth and development as well as assist them in times of stress and need.

Students are required to meet with their adviser prior to registration to have the program for the term approved. The Student Advisement Form, signed by the adviser, is presented by the student to the Registrar at the time of registration. Students are urged to meet with their adviser a few times each term to discuss Career Growth contract, current progress and future plans.

Campus Ministry

For spiritual enrichment the campus minister offers daily liturgical celebration and religious and personal counseling. Students assist in planning activities which help to make faith a living and integral part of their lives. Campus religious activities are supplemented by those of the various denominational churches in the community.

Career Resource Center

The Career Resource Center houses the services of admissions, career counseling, cooperative education, and placement personnel; and offers that part of an educational program which develops the knowledge, skills and attitudes necessary for a person to plan, explore, establish, and perform life roles.

Enrichment Opportunities

Interested students can seek expression in the campus publication, THE MADONNA NOW, and in the monthly NEWSLETTER. An annual spring art exhibit, music recital and fashion show are among the campus activities which provide an opportunity for students to display their accomplishments. Membership in a vocal group, the MADONNA CHORALE, is open to all students and to talented participants from the surrounding community.

To supplement the academic program and to provide cultural enrichment a joint committee plans and promotes the annual "Cultural Series" which encompasses lectures, recitals, concerts, debates, panel discussions and seminars. Social life on campus changes with the seasons and with current interests. It ranges from informal mixers and picnics to formal receptions and dances. Students also participate in social activities on several neighboring campuses.

Madonna College, located in the Greater Metropolitan Detroit Area, pro-

vides the student with convenient access to cultural, educational and social resources: concerts, conventions, lectures, festivals, dramatic performances and exhibits.

Assistance for Deaf and Hearing Impaired Students

As Madonna College moves toward its goal of an "integrated hearing-deaf community," such support services as counseling, tutoring, note-taking and interpreting assist deaf and hearing impaired students in the total educational process. Manual communication classes are available for hearing, hearing impaired and deaf students to foster communication skills.

Residence Hall

Madonna College maintains a residence hall for students. Room and board are provided as part of the residence contract. Admitted students apply for residence through the office of the Dean of Student Development. A residence handbook explains the life-style on campus.

Food Service

Dining facilities are available on campus in the Residence Hall. Three meals are served, Monday through Sunday. The dining room serves principally the needs of resident students. However, commuters and friends of the college are invited and encouraged to use the dining room. The dining facilities are closed during regularly scheduled vacation periods.

Change of Address

Students must notify the Registrar and the Director of Student Development of any change(s) in name, home address and telephone number and College address and telephone number.

I.D. Cards

College student identification cards

are issued by the Student Service Center at the time of the first registration and validated at subsequent registrations. (Replacement of I.D. Card at registration for fee of \$1) The I.D. Card should be carried at all times; it is used whenever identification is necessary and must be surrendered when requested by a College staff member or security guard.

Parking Regulations

Students are to use the south parking lot, except where restrictions are posted for reserved parking for the disabled. There is no parking on the grass or anywhere on the inner campus. Parking violators will be ticketed. Students are urged to place on windshields decals given them at registration with payment of the parking maintenance assessment fee per term. In addition to parking coverage, the assessment provides for the maintenance of the parking area including lighting and snow removal.

Mobility Limited Students

Madonna College is experiencing continual expansion. The scope of this development includes the needs of the physically disabled in total campus planning.

A ramp between the residence and academic buildings, and special lavatory facilities are provided in the classroom and gymnasium areas. A flat terrain, with curb cuts at the academic entrances, allows students in wheelchairs independence in moving around the campus. Elevators are available for transportation between floors of the residence hall and academic building.

Health Services

Health services may be obtained at St. Mary Hospital located on the premises. Students are given the opportunity to apply for medical insurance. They are responsible for all medical

bills incurred because of illness or accidents on or off campus.

Dress

When on campus, students are expected to wear proper attire. Standards of good taste and propriety should be observed.

Alumni

All graduates are alumni of Madonna College. Alumni provide services, recruitment assistance and funds for College projects including alumni annual membership in the "Friends of Madonna College."

GUIDELINES FOR CAMPUS LIFE AND ACTIVITIES

Scholastic Integrity

All written work is presumed to be the effort of the individual student. Scholastic dishonesty will be penalized in accordance with the gravity of the situation.

Cheating in examinations results in automatic failure in the course. A student so accused has the right of appeal to the Student Grievance Board.

Violating library rules regarding unauthorized removal or damaging of books, magazines, or periodicals is also a violation of integrity.

Prohibitions

Narcotics, drugs and alcoholic beverages are prohibited on campus. Madonna College recognizes its duty to uphold the laws of the State of Michigan. Students are reminded that violation of these laws may be considered as a misdemeanor or as a felony. The College will not condone the abuse of the law.

Smoking is prohibited except for designated places in the academic building, the commons room and the patio of the student center.

Drives and Solicitation of Funds

Individual students or organizations are not permitted to operate stores or conduct sales in the dormitory or on the campus. Nor shall anyone solicit funds or organize or participate in drives for any reason without first securing approval of the Office of Development.

Buildings and Equipment

Damage caused by students to College property will result in disciplinary action as well as financial assessment for replacement or repair.

Changes in Policy

Students are responsible for knowledge of any authorized changes in policy, regulations and procedure that

may be implemented during the academic year.

Student Grievance Procedure and Appeal Board

The Student Grievance Procedure is to provide a method for settling student grievances which may be a result of misinterpretation in areas related to the Madonna College Bulletin, Student Handbook, and/or Departmental policies. The procedure is spelled out in detail in the Student Handbook. The Appeal Board is a College standing committee comprised of seven voting members: three students, two teaching faculty members, and two administrators other than the Academic Dean. The appointment of the members to the Appeal Board follows the procedure of faculty/institutional standing committees.



Financial Aid

Madonna College provides financial assistance to admitted students whose scholastic aptitude merits a scholarship and those whose personal and family resources are inadequate to meet the educational cost. All students are urged to apply for financial aid.

APPLICATION PROCEDURES

Applications for financial assistance are handled by the Office of Financial Aid. The application consists of:

1. *The Madonna College Financial Aid Application* to be completed by the students and submitted to the Financial Aid Office.
2. *The Financial Aid Form (FAF)* is to be completed by all students. The FAF is to be mailed to the College Scholarship Service (CSS) at address indicated on the form. Madonna College (1437) and the State of Michigan (0428) should be designated on the forms as recipients of the College Scholarship Service Financial Need Analysis Report.
3. By checking "yes" to Item # 83 on the FAF students will receive a Student Eligibility Report (SER) from the *Basic Educational Opportunity Grant Program (BEOG)*, approximately 4-6 weeks after they submit the FAF. The two top copies of this report are to be returned to the Financial Aid Office.
4. *Michigan Tuition Grant*. Students applying for a Michigan Tuition Grant must also request that a copy of the FAF be sent to the State of Michigan (CSS code 0428).
5. A personal interview with the Director of Financial Aid.

*Students are independent **ONLY** if they meet all the following requirements for the calendar year before they are requesting aid and the calendar year for which they are requesting aid.

- Have not lived with their parents or guardians for more than two weeks.
- Have not received more than \$600 in support (including the value of free room and board) from their parents or guardians.
- Have not been and will not be claimed as an exemption on their parents' or guardians' federal tax return, Form 1040.

The amount and type of financial aid received are determined on the basis of the CSS Financial Need Analysis Report and the funds available to the College for the academic year.

New students should file their applications by March 1, others, annually by May 1. Notices of awards are mailed to all applicants by the end of July. Late applicants are considered if funds are available.

GRANTS

(Non-repayable monies)

Federal Grants

The Basic Educational Opportunity Grant (BEOG) is the basis for Government Financial Aid: Qualified students may receive up to \$1600 per academic year. Students requesting financial assistance at Madonna College must apply for this grant before they will be considered for any type of financial assistance.

Students with exceptional financial need who demonstrate academic potential will be considered for Supplemental Educational Opportunity Grants (SEOG) or Nursing Scholarship Grants (NSG). Students' requests for these grants are reviewed upon receipt of a completed Financial Aid Form (FAF).

Michigan Tuition Grants

The State of Michigan makes tuition grants available to students attending private colleges in Michigan. When completing the Financial Aid Form (FAF), Michigan residents should list the State of Michigan Scholarship/Grant Program as a recipient of a copy of the FAF. By completing Item #80 on the FAF every student will be considered for a tuition grant of up to \$1,200. Students who seek financial aid must apply for a State Tuition Grant or the State Scholarship in order to be considered for other forms of assistance administered by the College.

Michigan Tuition Differential Grant

The Michigan Legislature has provided Tuition grants to Michigan Freshmen enrolled at least half-time (6 credit hours) in Michigan's private colleges. This grant becomes effective August 1, 1978 and is *not based on financial need*. Freshmen enrolled full-time (12

credit hours) will each receive grants of up to \$600 per year. The actual amount will be determined by the Legislature before August 1, 1978. Freshmen enrolled at least half-time will receive grants of lesser amounts. Grants shall be available to each eligible student who is registered:

- (1) As a Freshman after July 31, 1978
- (2) As a Freshman or Sophomore after July 31, 1979.
- (3) As a Freshman, Sophomore or Junior after July 31, 1980.
- (4) As a Freshman, Sophomore, Junior or Senior after July 31, 1981.

The combined amount of the tuition differential grant and if received, a Michigan Tuition Grant or a Michigan Competitive Scholarship shall not exceed the level of tuition and fees for a full academic year.

Law Enforcement Education Program Grant (LEEP)

LEEP funds provide educational opportunities to students currently employed full-time in the criminal justice field. The type of financial aid available under LEEP is a grant not to exceed \$400 per semester for full-time or part-time pursuance of degree creditable courses related to and useful in law enforcement.

A LEEP application (LEAA 3610/3) may be obtained from the Office of Financial Aid.

Satisfactory Academic Progress

Basic Educational Opportunity Grant

College Work Study Program

Michigan Guaranteed Student Loan

National Direct Student Loan

Nursing Grant Program

Nursing Student Loan Program

Supplemental Educational Opportunity Grant

Government regulations require students receiving financial assistance from any of the above sources make "satisfactory progress". At Madonna College academic progress is defined as successfully completing 2/3 of the credit hours for which a student enrolls. Credit hours attempted are the number of credit hours for which a student is officially enrolled at the end of the drop and add period.

If a student fails to make satisfactory academic progress, the next term this student enrolls he/she will be on probationary status for financial aid purposes. During the probationary term one must make academic progress or one will become ineligible for federal financial assistance in the future.

SCHOLARSHIPS

(Non-repayable monies)

State of Michigan Competitive Scholarships

The State of Michigan Competitive Scholarship Program is administered by the Michigan Department of Education. Only graduating Michigan high school seniors with no previous college experience are eligible to take the qualifying examination. The amount of the scholarship is based on financial need. Interested students may obtain further information from their high school counselors. Scholarships are renewed annually for satisfactory academic performance in an accredited college in the State of Michigan and for demonstrated financial need. **A tuition grant is automatically awarded to financially needy applicants who plan to attend a private college but who do not qualify for the scholarship award on the basis of the test.**

Madonna College Scholarships

To recognize Academic Achievement, Madonna College awards nine \$500 scholarships each year on the

basis of academic performance. Some of the scholarships have their own specific criteria.

The Mother Mary DeSales Scholarship (1947): awarded to a graduate of Ladywood High School.

The Frank J. and Josephine Svoboda Scholarship (1962): awarded to a student pursuing art or journalism.

The Anton Jakobs Scholarship (1968): awarded to a Community College graduate who transfers to Madonna College.

The Rudolph Kleinert Scholarship (1968): awarded to a Community College graduate who transfers to Madonna College.

The St. Mary Hospital Scholarship (1969): awarded to a nursing student.

The Nancy E. Tanger Scholarship (1969): awarded to a prospective teacher.

The Mayor Edward H. McNamara Scholarship (1972): awarded to a graduate of a Livonia area public high school on a rotating basis, beginning with Bentley in 1978, followed by Churchill (1979), Clarenceville (1980), Franklin (1981), and Stevenson (1982) High Schools.

The Sister Mary Danatha Suchyta Scholarship (1976): awarded to a graduate of a Catholic high school.

The Kowalski Sausage Company Scholarship (1967)

The Bosco Family Scholarship (1977)

Madonna College Merit Awards: Each year merit awards in the amount of \$500* each are awarded to outstanding

incoming students in the following academic majors:

	Number of Awards
Art	2
History	1
Home Economics and Family Life	1
Journalism/Public Relations	1
Music (Auditions will be required)	2
Natural Science	1
Public Administration	2
Social Work	1

General Requirements for Madonna College Scholarships and Merit Awards:

1. 3.0 GPA in High School (in academic subjects) or College.
2. Full-time enrollment at Madonna College during the award period. (Minimum 12 semester hours per term).

*Note: Madonna College scholarship and merit award winners who receive financial assistance from Federal and State sources may have the amount of the award reduced so that they would not be over-awarded according to State and Federal regulations.

Application Procedures

1. Fulfill requirements for Admission to Madonna College.
2. Submit a letter of recommendation from a Counselor, Adviser or instructor.
3. Submit a written request to the Admissions Office, indicating the particular scholarship/award desired.

4. Application Deadline is March 1.

5. Scholarship/Award winners will be notified by April 15.

Endowment Scholarships

The Mary Pitrone Richards Scholarship (1977): Each year in January a \$500 scholarship is awarded to a junior or senior student who is pursuing a baccalaureate degree in nursing. The student must show financial need, be of good character and dedicated to the art of nursing. Qualified students who wish to be considered for this scholarship should submit a written request to the Office of the President no later than December 1.

The Riggs Scholarship (1977): awarded to a hearing impaired student in the amount of \$100 annually.

The Joseph Gruszczynski Family Scholarship (1977): awarded in the amount of \$100 annually.

The following privately funded scholarships and loans are also available to students who apply for them independently:

Amvets Medical Scholarship (1976): Provides scholarships of \$300 per year to qualified second year nursing students.

Association Executives of Metropolitan Detroit Scholarship (1974): provides \$500 to eligible students.

Saginaw General Hospital Scholarship Loan Program (1976): Eligible sophomore, junior or senior nursing students may receive a loan of up to \$1,000.

For additional information on these programs, contact the Financial Aid Office.

LOANS (Repayable monies)

Qualified students who attend at least half-time (6 s.h.) may borrow from the following sources:

National Direct Student Loan (NDSL)

Applicants may be eligible to borrow up to \$2,500 for the first two years, \$5,000 for the bachelor degree. Repayment of the loan and accrued interest of 3% begins nine months after graduation or withdrawal and may be extended over a period of ten years. The terms of the loan cancellation make this assistance especially beneficial for prospective teachers. Students who become full-time teachers in a public or private elementary or secondary school with a high enrollment of students from low-income families or full-time teachers of handicapped children are eligible for a 15% cancellation of the loan principal plus interest for the first and second year of service; 20% for the third and fourth years; and 30% for the fifth year.

Nursing Student Loan Program (NSLP)

Eligible nursing students may borrow up to \$1,500 per academic year. Repayment of the principal of the total loan and accrued interest of 3% begins nine months after graduation or withdrawal and may be extended over a period of ten years.

Up to 85% of the loan plus accrued interest may be cancelled for students employed in full-time professional nursing at any public or other non-profit agency, institution, or organization at the rate of 15% for each of the first three years of service and 20% for completed fourth and fifth years.

Michigan Guaranteed Loan

The Michigan Guaranteed Loan Program offers long-term, low-interest

loans with repayment provisions to begin nine months after the borrower ceases to be a student. The student may borrow up to \$2,500 per year.

Applications are available from participating banks in Michigan. Further information about the Michigan Guaranteed Loan Program may be obtained from the Michigan Department of Education, Student Financial Assistance Services, Box 420, Lansing, Michigan 48902 or by calling 1-517-373-0760.

Out-of-state students should investigate the availability of similar loans in their states. Students may apply for federal interest subsidy or may be required to pay only the interest charges while attending college.

Michigan Direct Student Loan Program

This loan program was created to assist those students whose banks do not participate in the Michigan Guaranteed Student Loan. The repayment provisions are the same as the Michigan Guaranteed Loan. Applications are available from the Madonna College Office of Financial Aid.

Knights of Columbus Loan

Students attending Madonna College who are related to Knights of Columbus members may receive loans of up to \$2,500 per year for 5 years. Additional information and loan application may be obtained by writing to: Knights of Columbus Loan, P.O. Box 1670, New Haven, Connecticut 06507.

Eben Mumford Loan

Eligible students may borrow up to \$500 per year.

PART-TIME EMPLOYMENT (Earned monies)

Several types of employment are available to full-time and part-time (at least 6 s.h.) students:

College Work-Study Program (CWSP)

Students demonstrating financial need may help defray their College expenses through employment under federally supported Work-study Programs on campus in College offices, laboratories, libraries, and other areas.

Institutional Job Opportunities

The College offers part-time jobs and cooperative education opportunities similar to those under the Work-study Program to students not eligible for the federally sponsored program. Positions are also available with Saga Food Service Company, which operates the College cafeteria.

Other Employment Opportunities

Information about other part-time jobs in private homes, businesses and industries may be obtained from the Dean of Student Development and the Career Resource Center.

SUPPLEMENTAL TYPES OF FINANCIAL ASSISTANCE (Non-repayable monies)

Michigan Vocational Rehabilitation

The division of Vocational Rehabilitation provides rehabilitative service and financial assistance for educational programs to vocationally handicapped individuals. Eligible Michigan citizens should contact the Office of the State of Michigan Division of Vocational Re-

habilitation servicing the student's home area or call 1-313-833-0430.

Veterans' Educational Assistance

Veterans who served on active duty for at least 181 days, some part after June 1, 1966, or if less than 181 days, have been discharged or released for a service-connected disability, are eligible for educational assistance. Students have ten years from the date of release from active duty to use these benefits.

The law grants a monthly allowance to help veterans meet in part the cost of subsistence, tuition, fees, books, supplies and equipment and other cost of the college program. The amount of educational assistance allowance will be based on the rate of training and on the number of dependents.

Veterans may secure application forms (VA form 21E-1990) from the office of Financial Aid or from the Veterans Administration, Regional Office, P.O. Box 1117-A, Detroit, Michigan 48232.

Dependents' Educational Assistance

The Social Security Law provides monthly benefits to any dependent student whose parent is deceased or receiving social security retirement or disability benefits. Payments are made until 22 years of age provided the dependent is attending classes full-time. Further information can be obtained from the nearest Social Security Office.

Expenses

FEES

Madonna College reserves the right to change fees without advance notice. Inquiries relating to fees should be referred to the Student Service Center in writing or by calling (313) 591-1200, extension 2 or 591-1702.

Checks should be made payable to **MADONNA COLLEGE**.

TUITION	\$42.00 per s.h.
TUITION (credit by examination/evaluation)	\$15.00 per s.h.
Testing Fee	\$5.00 per course
AUDIT FEE	\$42.00 per s.h.

SPECIAL FEES (non refundable)

Application (non-refundable)	\$15.00
Recording service (special students) per term	3.00
Room reservation (non-refundable)	25.00
Advance enrollment deposit	50.00

All students entering the Madonna College nursing program are required to pay the advance enrollment deposit of \$50.00. The payment is a guarantee of the student's intention to enroll at the College. The advance enrollment deposit is applied to the amount due at registration time. **IN THE EVENT OF WITHDRAWAL BY THE STUDENT THE DEPOSIT WILL NOT BE REFUNDED.**

Graduation	\$25.00
Removal of incomplete (per course)	2.00
Deferred or anticipated examination (per test)	10.00

The instructor will require a receipt from the Student Service Center that the fee has been paid.

Early or late registration	\$5.00
Change in registration	10.00
Transcript of credits	2.00
Parking and maintenance assessment per term	4.00
Returned check penalty (per check)	3.00

Damages: Students will be charged according to current costs for damages to College property.

Books and supplies are purchased at the College bookstore on a cash basis.

**COURSE FEES
(non-refundable)**

All Directed Teaching Fees: 3 s.h., \$30; 4 s.h., \$40; 6 s.h., \$60; 7 s.h., \$67; 8 s.h., \$74.

HEF 427, Home Management — Resident student, \$30; non-resident student, \$60.

Private music instruction, \$90 per course: one private lesson per week, per term.

All nursing department fees are \$15 per semester hour.

Other course fees vary from \$10 to \$90. Course fees are determined for each term and are published in the schedule for each term.

**Credit by
Examination/Evaluation**

Tuition \$15.00 s.h.
Testing Fee 5.00 per
examination/evaluation

Other Examinations . . . Fees vary

Room

Semi-private
(non-refundable) \$700.00 per year
Private
(non-refundable) \$875.00 per year
Room per night 5.00 per night

Rooms are rented for a term; no refund is made in case of withdrawal. Refunds on room reservations will be allowed to incoming students if the Student Service Center is notified before July 31.

Board

(Non-refundable) . . \$840.00 per year

Students living on campus are required to take their meals in the College dining hall. No refund will be made on the board fee because of contractual arrangements relating to service in the dining hall. Occasional or week-end absences are non-refundable.

Key Rental Deposit \$3.25

Room Damage Deposit 25.00

Replacement of
Student ID Card 1.00



Student Service Center Policies

BILLING

All tuition and fees are payable in the Student Service Center. Students are mailed an invoice indicating the complete billing for each term. Any financial assistance or awards are applied **AFTER VOUCHERS ARE SIGNED**. If bills are to be mailed to persons, companies, agencies, other than the student, **AUTHORIZATION** and address of such person, company, or agency should be submitted by the student to the Student Service Center at the beginning of each term. Payments made by mail should be directed to the attention of the Student Service Center; checks, payable to Madonna College. The total bill is payable in advance at the beginning of each term. Class cards for class admittance are issued after invoice is paid, or after special arrangements for payment are made.

Plan 1:

Payments in two installments: seventy-five percent before the opening day of the term, with the balance due by mid-term.

Plan 2:

Payment of thirty-three and one third percent of the total bill before the opening day of the term, and two equal payments due in each of the two following months.

A service charge of five percent will be added should default be made in the deferred payment.

Veterans adhere to the same payment policies.

Financial accounts must be paid in full to:

- 1) receive the grade report for the past term;
- 2) pursue courses for the next term;
- 3) claim a degree;
- 4) obtain a transcript of credits.

REFUNDS

Tuition refunds are calculated on the **TOTAL TUITION COST FOR EACH TERM** from the date when the official written withdrawal form is completed and filed with the Registrar. **The withdrawal procedure will not take place automatically** for the student who leaves campus for any reason, including illness of the student or a family member. Students who wish to withdraw must contact the Registrar's Office. The effective date of withdrawal is the date the Registrar receives the notification from the student. Students who leave the College **without withdrawing properly forfeit any refund.**

Refund Schedule for Terms I and II;

Complete withdrawal during the registration period before the opening session of the term 100% less \$10.00

Complete withdrawal within the first week	75%
Complete withdrawal within the second week	50%
Complete withdrawal within the third week	25%
Complete withdrawal after the third week	NO REFUND

Refund for Term III:

Complete withdrawal during the registration period before the opening session of the term 100% less \$10.00
Complete withdrawal after the first class..... 75%
Complete withdrawal after the second class..... 50%
Complete withdrawal after the third class..... 25%
Complete withdrawal after the fourth class..... NO REFUND

Other fees such as Special Fees are not refundable.

Drop/Add Courses:

If adding or dropping of courses changes the total number of credits in which a student is enrolled, an adjustment of fees is made during the official Drop and/or Add Period the first week of classes. Adjustments are initiated by students on the Change Card form in the Registrar's Office.

Changes in Registration

Changes in registration are allowed only during the Add and/or Drop Period the first week of classes. There is a \$10.00 charge for any change in registration.

Class Cards

Students may not enter classes without class cards which are issued by the Student Service Center upon payment of tuition. All past-due tuition must also be paid in full before class cards will be issued.

Room and Board

Room and board fees are not refundable.

Rooms are rented for a term; no refund is made in case of withdrawal. Refunds on room reservations will be allowed to incoming students when the Student Service Center is notified by July 31.

No refund will be made on the board fee because of contractual arrangements relating to service in the dining hall.



Academic Policies

REGISTRATION

Registration is the process directed by the Office of the Registrar to admit students to courses, to allot students to specific class sections, to designate classrooms for courses, to prepare records for use by faculty and staff and to provide students with the following forms: consortial, guest, non-credit, credit by examination.

Students must register on days specified in the College calendar. For unscheduled registration a fee of \$5 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, including withdrawal from a course, must be made through the Registrar's Office, with the consent of the Dean of Student Development. The service charge for a change in registration is \$10. The student who does not withdraw officially from a course, automatically fails the course.

STUDENT LOAD

The normal credit hour load per semester is sixteen; maximum load without special permission from the Dean of

Student Development is eighteen, exclusive of choral and physical education activities. A minimum of twelve credit hours is required for certification as a full-time undergraduate student during Terms I and II; eight credit hours during Term III.

COURSES OF INSTRUCTION

Courses with numbers from 100-299 are lower division courses intended primarily for freshmen and sophomores. Juniors and seniors are urged to take upper division courses with numbers from 300-499.

Students must observe prerequisites set by the College or by the departments which conduct the instruction. Since the College must consider the needs of the entire student body, it may sometimes be impossible to honor individual requests for particular hours and instructors. The scheduling of courses and sections at certain hours does not assure a student's admission to any given section. **The College may cancel or substitute any course listed for which there is insufficient registration.**

CLASSIFICATION OF STUDENTS

Status	Semester Hours Earned	Grade Point Average Necessary to Continue College Studies
Freshman	0 - 24	1.6
Sophomore	25 - 57	2.0
Junior	58 - 87	2.0
Senior	88 -	2.0

ATTENDANCE

Class attendance is required of all students. Repeated absences may result in lowering of grade or loss of credit. The College places the responsibility for attendance upon the student. Prolonged absence should be reported to the Dean of Student Development.

INTERPRETATION OF GRADES

A — Exceptional — 4 honor points per semester hour.

Represents outstanding achievement.

It implies that the student:

- a. consistently exceeds average requirements;
- b. is always alert, active and makes original and pertinent contributions to class discussions in which evidence is of well-developed critical attitude and sound judgment.
- c. is prompt, neat in assignments and shows command of English and mastery of the subjects;
- d. reads extensively and works independently and pursues research projects independently;
- e. gives evidence of superior aptitude, high originality and great ability to grasp and organize the subject matter of the course and apply it to other fields and to the problems of daily life.

B — Very Good — 3 honor points per semester hour.

Represents work which is de-

terminately above average.

It implies that the student:

- a. frequently exceeds average requirements;
- b. is usually alert and active in class discussion, showing some critical attitude and good judgment;
- c. exercises noticeable care in working on assignments and gives evidence of doing independent reading and research;
- d. is eager to learn and willing to profit from direction and criticism;
- e. has ability to transfer the general principles of the course to other situations.

C — Satisfactory — 2 honor points per semester hour.

Represents work which is good.

It implies that the student:

- a. performs the required assignments regularly;
- b. is attentive during class hours and gives adequate answers;
- c. is usually careful, neat and accurate in work;
- d. masters the facts or general principles of the course and grasps their more general significance;
- e. uses material from preceding courses but needs additional assistance;

- f. does research and independent reading.

D — Poor But Passing = 1 honor point per semester hour.

Designates work which is below average, that is, below the standards set for graduation unless it is balanced by superior work in other courses.

It implies that the student:

- a. usually does the minimum requirements and grasps merely the basic material of the course;
- b. frequently misunderstands the assignments and is careless in preparation of them;
- c. is willing but slow to comply with instruction and correction;
- d. seldom or never participates in class discussion and only gives irregular answers when detailed questions are directed by the instructor or other students.

NC — (No Credit) = 0 honor points.

- a. designates poor work and requires the student to repeat course to gain credit;
- b. NC is included in computing grade point average.

**S/U— Satisfactory/Unsatisfactory
No credit**

Except for specifically designated S/U courses open to all students, only juniors and sen-

iors may elect in each semester one course for which the usual academic credit will be granted with a designation of S/U but without any quality points for either grade. The policies governing such markings are:

- a. The courses for S/U marking must not be required courses for the major, minor or professional programs, unless granted by department chairperson for life-work experience.
- b. Students may elect the conventional or the S/U grading system at the Registrar's Office on a specified date in the school calendar.
- c. Instructors will issue conventional grades for course work which will be converted to S or U on the academic record. S/U are **not** calculated in the grade point average.
- d. S/U marking will also be employed for the evaluation of clinical contact hours in the Nursing and Allied Health programs and for directed teaching in the Education Department. The S in these cases represents at least minimum satisfactory performance equivalent to C.

W — Withdrew

Students may withdraw from a course with the written approval of the instructor and the Registrar at any time prior to the week of final examinations. Unofficial withdrawal will be recorded as NC and computed in the grade point average.

Y — Carry-Over

Course carries over into next term when final grade will be given.

AUD — Audit

Change from credit to audit may be made with the instructor's and Registrar's approval at any time prior to the week of final examinations.

I — Incomplete

A grade of I automatically becomes NC if not removed within a six week time limit. Students must arrange for an extension of this limit with the instructor and the Registrar.

- Note:
1. W, S and U are not considered in determining grade point average.
 2. Students may repeat a course if the original grade was D or NC and thereby raise the grade point average. Students are allowed to repeat each course only once, except upon approval of petition.
 3. Only a grade of C or better is applicable toward a major or a professional program.
 4. The College reserves the right to request students to withdraw from a program because of unsatisfactory performance in the theory or in the practical phases of that program or because of inappropriate behavior.

ACADEMIC PROBATION AND DISMISSAL

To be in good standing a student must maintain a minimum grade point average of 2.0. A student whose quality point average falls below 2.0 for a term is automatically placed on probation and carries a maximum 12 semester-hour load. After two successive probationary terms, the student will be asked to leave the College. In the event of extenuating circumstances, the student may request reinstatement through the office of the Academic Dean and the student's advisor.

DEAN'S LIST

Full-time students who carry at least 12 semester hours (none by evaluation) and maintain a grade point average of 3.5 or better during a term merit first honors on the Dean's List; 3.25 - 3.49, second honors.

DEGREES WITH DISTINCTION

Graduation honors are computed on an over-all grade point average (excluding the credit received for the term prior to graduation for May graduates).

With Honors, quality point average of 3.5 - 3.699. With High Honors, quality point average of 3.7 - 3.899. With Highest Honors, quality point average of 3.9 - 4.0.

EXAMINATIONS AND GRADE REPORTS

Final examinations are administered at the end of each term. Tests should be given at mid-term. An unexcused absence from a final examination constitutes a failure in the course.

A report of the final grade in each course and the student's grade point average for the term is forwarded to each student. Generally, transcripts are issued within two weeks upon a signed request of the student. At the end of each term, however, transcripts will be

mailed after all grades have been posted — usually by the third week. The transcript fee is \$2. Official transcripts over-the-counter are issued in unusual cases only. The fee for such service is \$3.

NOTICE OF INTENT TO GRADUATE

Students who plan to earn Bachelor Degrees, Associate Degrees, or Certificates of Achievement must file appropriate notices with the Registrar in the first week of the term in which they plan to finish their course work.

GRADUATION AND COMMENCEMENT

It is possible for students to graduate at the end of each term upon completion of degree requirements. The Commencement exercises are scheduled the last week of April or the first week of May. Students receiving degrees are expected to participate in Commencement exercises. Each candidate is assessed a \$25 fee for expenses, whether or not the student appears for commencement exercises.

STUDENT RECORDS

In accord with the "Family Educational Rights and Privacy Act of 1974," the policy of Madonna College regarding student records is as follows:

1. Students have the right to inspect their records. The institution will comply with the student's request for information within 45 days after the request has been filed.
2. The confidential information pertaining to students will not be disclosed to any person, organization or agency outside the College with-

out the written authorization of the student.

3. A parent or legal guardian of a student under 18 years of age may request to view the dependent's records.
4. Directory information is public information.

Excluded from inspection are the following:

1. Parental financial records.
2. Confidential records of recommendation filed before January 1, 1975.
3. Confidential letters solicited under a waiver of the right of future access.

Records excluded from the provisions of the Act:

1. Personal notes of teachers and administrators.
2. Law enforcement records.
3. Employment records.
4. Medical and psychiatric reports or related professional files.

Records may be released without written consent to:

1. Other school officials within the College.
2. Accrediting organizations.
3. Officials with application or receipt of financial aid.
4. State or local officials as required by state statute.
5. Organization conducting studies on behalf of educational institution.
6. In an emergency: health or safety.

A record of requests for information must be kept with each student's file.

Academic Opportunities

THE CALENDAR

Madonna College has a tri-term calendar, which provides students in some programs with the opportunity to complete the baccalaureate degree in three years.

Term I – Fall

15 weeks

September – December

Term II – Winter

15 weeks

January – April

Term III

Spring-Summer

12 weeks

May – July

FLEXIBLE SCHEDULING

Students have the option of attending classes throughout the day and evening. Weekend seminars, workshops, and institutes in various programs provide opportunities for student participation.

ADVANCED PLACEMENT

Students who have completed advanced work in secondary schools and who have taken the Advanced Placement Tests administered by the College

Entrance Examination Board and scored three or higher on the test may apply for credit or waiver by submitting a request in writing to the Dean of Student Development.

Madonna College provides ambitious junior and senior high school students with an opportunity to accelerate their education by pursuing college credit while attending high school classes. The credits earned at the College may apply toward fulfilling high school requirements as well as toward a degree.

CREDIT BY EXAMINATION

College Level Examination Program. (CLEP)

The *General Examinations* are objective tests that measure achievement in five basic areas of the liberal arts: English Composition, Humanities, Mathematics, Natural Sciences, and Social Sciences-History. Each has a time limit of 90 minutes. One to five General Examinations may be taken in one day.

Subject Examinations measure achievement in specific college courses. Each is a 90-minute objective test. Some include a separate 90-minute essay section. **No more than four Subject Examinations without essay, or two with essay, may be taken in one day.**

The Subject Examinations currently available are:

Afro-American History
American Government
American History
American Literature
Analysis and Interpretation of Literature
Biology
Clinical Chemistry
College Algebra
College Algebra-Trigonometry
Computers and Data Processing
Educational Psychology
Elementary Computer programming
— Fortran IV
English Composition
English Literature
Freshman English
General Chemistry
General Psychology
Geology
Hematology
History of American Education
Human Growth and Development
Immunohematology
Introductory Accounting
Introductory Business Law
Introductory Calculus
Introductory Economics
Introductory Marketing
Introductory Sociology
Microbiology
Money and Banking
Nursing — North Carolina Nursing
Equivalency Examinations
Statistics
Tests and Measurement
Trigonometry
Western Civilization

1. Thirty hours of credit may be granted on the basis of the general Level Examinations and credit so awarded can be used to satisfy many of the General Education requirements for graduation, e.g., the social science requirement.

2. Credit (3-8 s.h.) may be awarded to individuals who achieve a score on a CLEP subject examination that is at or above the mean score achieved by students in the CLEP national norms sample.
3. Formal application for CLEP credit will be accepted by the College only when students enroll at the College.
4. CLEP credit usually will be granted if the content of the CLEP matches or parallels the content of the College course in that subject.
5. CLEP credit will not be awarded in a subject below the level of work already attained by students.
6. In some areas, particularly the sciences and technical areas, the College will expect applicants to demonstrate adequate laboratory skills and clinical/field work experience.
7. The transcript of students who have been awarded CLEP credit will carry the notation that credit was granted by examination.
8. CLEP examinations are administered the third Saturday of each month at Madonna College and require approximately three months for processing.
9. Forms for the CLEP examinations may be obtained from the office of the Dean of Student Development in the Career Resource Center.

LIFE/WORK EXPERIENCE

Students may receive credit by evaluation or examination for life and work experience, if there is adequate documentation and approval of departmental chairperson and academic committee. Students admitted to Madonna College may request credit by examination.

INDEPENDENT STUDY

Students may earn credits for independent study in any particular field with the approval of the Dean of Student Development and a faculty member of the department in which the study is pursued. The aim of independent study is to provide students with the opportunity to investigate and explore in depth some specific area of interest. Guidelines and forms for independent study are available from the Dean of Student Development. The course numbers for independent study are: 120, 160, 220, 260, 370, 390, 420, 460.

HOME STUDY/TV PROGRAM

The Madonna College campus is as close as any mailbox. Independent self-study courses are conducted primarily by written communication. Only designated courses can be pursued without classroom attendance.

CAREER RESOURCE CENTER: (CRC)

The Career Resource Center at Madonna College has been operational since January, 1978. The Center provides the following services: cooperative education, personal/social counseling, testing, career planning, employability skills training and personalized experiences designed to assist clients with academic and career preparation. The admissions office and veterans office are also located in the Center. The Center is an important aspect of the total student development process at Madonna College. It functions to make career, occupational and educational information available to the student body and the community at large. The Center offers career related testing and assessment, after which the counselors advise and refer applicants to other services on and off campus. In many instances the

Center will provide practical involvement in a work setting designed to afford opportunities to synthesize theory with practice.

Integral components of the Center include the career resource library and the Michigan Occupational Information System (M.O.I.S.). M.O.I.S. consists of a series of information files designed to provide users with current, accurate and valid occupational and educational information. In this system, 350 Moiscrits, containing information covering 1,400 occupational specialties, are included in both the M.O.I.S. microfiche and computer system.

For students who are uncertain about a career, the M.O.I.S. Inventory is designed to help individuals select, plan and learn about occupations that reflect their personal career goals.

The Career Resource Center is open Monday through Thursday: 8:00 a.m. to 9:00 p.m. and Friday, 8:00 a.m. to 6:00 p.m.

HEALTH INSTRUCTION CENTER

The Health Instruction Center consists of two autotutorial areas with provisions for forty (40) students to view and listen while mastering their weekly module assignment. A conference section is provided, affording an area where students and faculty can discuss the units of study. In the practice area, hospital beds, wheelchairs, syringes, and sphygmometers are available for student practice or faculty planned simulations. This area is shared with the Emergency Medical Technology Program, enabling the students to have the benefit of the E.M.T. equipment.

COOPERATIVE EDUCATION PROGRAM:

Cooperative education is a form of career education which provides a method for students to "experience learning" in a natural setting, while

earning and learning on job assignments.

Students can earn academic credit by "co-oping" in business, industry, government, or service agencies by:

1. Integrating a course (seminar, field experience, practicum or internship) with off-campus work experiences to earn applicable college credits;
2. Pursuing a job assignment as a course in itself is planned by student and faculty coordinator who will supervise and evaluate student's credit. Number of credits is determined prior to registration by faculty coordinator.

Students are encouraged to incorporate into a degree plan educational related work experiences of sufficient duration to make an adequate contribution toward meeting educational and career goals. Co-op students must plan for a minimum of two training periods. Course numbers for Co-op Education are: 191, 192, 291, 292, 391, 392, 491, 492.

Alternate periods of academic courses and work options are: full-time semester co-oping (40 hours per week) followed by a semester of course work on campus; and full-time or part-time co-oping and on-campus work alternated daily or weekly during semesters.

Eligibility criteria for co-op students:

1. Junior or senior college status or departmental recommendation;
2. Transferees qualify after earning 8 semester hours at Madonna College or are recommended by department;
3. An overall GPA of 2.0 or better, 3.0 or better in major, or as defined by department in which credit will be earned;
4. Complete a degree at Madonna College;
5. Satisfactorily completed Pre-Co-op Seminar prior to Co-op term; unless waived;
6. Employable for defined Co-op job assignment.

Co-op students must obtain application form from Office of Cooperative Education, and make an appointment with Co-op Director and Faculty Advisor to make plans for Co-op.

Admission to Co-op should be completed by: April 1 for Term I; October 1 for Term II; February 1 for Term III.

INTERNSHIP OR PRACTICUM ARRANGEMENT

Allied health, business, journalism, criminal justice, fire protection and occupational safety, and other programs may require cooperative arrangements, internships or practicums in placements approved by the College. On-the-job experience provides students with the opportunity to apply theory to actual employment practices.

CONSORTIUM PROGRAM

By virtue of agreements with other Catholic institutions in the Metropolitan Detroit area, Madonna College participates in two-way exchanges of students with other schools in the Detroit Area Consortium of Catholic Colleges. These schools are Duns Scotus College, Marygrove College, Mercy College of Detroit, Sacred Heart Seminary College, St. Mary's College of Orchard Lake, and the University of Detroit.

Under the Consortium agreement, any full-time undergraduate at any of the participating schools may take one or more courses at other Consortium colleges during the regular academic year. To be eligible, a student must take a total of twelve or more hours, including the work taken at another school, and must pay full-time tuition to the home institution.

General procedures:

1. If students satisfying the above criteria wish to take a course at another Consortium school, an official authorization form is obtained from the home Registrar, filled out, and

validated. The completed authorization form is presented to the Registrar of the school at which the student plans to take the additional work, and the registration procedure of that institution is followed.

2. Tuition is paid to the home institution. Special laboratory and/or studio fees are paid directly to the host school. Madonna students may also be requested to pay a tuition differential in some instances.
3. To drop a course taken on the above basis, students must comply with the deadlines of the home institution and must officially inform the Registrars of both home and host schools of the decision.
4. The authority to limit the total number of courses which Madonna students may pursue at other Consortium schools rests with the Dean.

PROFESSIONAL ENRICHMENT

Educational opportunities are available for registered nurses who wish to pursue professional courses for enrichment of their performance as nurse practitioners. Those courses designated as elective are open to registered nurses of the community for continued education purposes. Examples of such are: Problem Oriented Records, Quality Assurance; The Nursing Audit; Practicum in School Health Nursing; Principles of Human Sexuality for the Professional Counselor.

GUEST STUDENTS

The Michigan Uniform Undergraduate Guest Application is used. This form is to be used only to assist a student in earning credits to be applied toward a program at the issuing institution and is good only for the term indicated. The application should be on file prior to registration. Students beyond sophomore standing may **not** earn credit in two-year institutions for transfer to Madonna College.

CONTRACTS

American Institute of Banking

Students may transfer a maximum of 30 credit hours with a grade of "C" or better from the American Institute of Banking toward a major in bank administration for a Bachelor of Science degree at Madonna College.

Control Data Institute Graduates

Upon admission to Madonna College, Control Data Institute graduates of the Computer Programming and Computer Technology sequence of courses are granted 30 semester hours of credit toward a Bachelor of Science degree with an area of concentration in computer science. These credits will be recognized as the major concentration for the Associate of Science degree in computer science. To complete the requirements for this degree, 30-32 additional semester hours of credit will be taken in general education at Madonna College. The 30 semester hours of credit may also be applied toward a major in computer science for a Bachelor of Science degree at Madonna College.

MoTech

Madonna College Cooperative Agreement: Students successfully completing programs in the institutions may apply for equivalency credit through the Office of Admissions at Madonna College.

DEAF AND HEARING IMPAIRED STUDENTS

Madonna College provides educational support services to assist deaf and hearing impaired students achieve academically. In addition to counseling, the services include: interpreting, note-taking, and tutoring.

UNITED STATES ARMED FORCES PERSONNEL/VETERANS

Madonna College offers opportunities for educational advancement to veterans and to the military personnel by granting credit for the following:

1. Military service (up to 6 semester hours).
2. Collegiate-level courses pursued in the United States Armed Forces Institute (USAFI).
3. Knowledge acquired equivalent to a college-level course content and

tested through the College Level Examination Program (CLEP), earlier by the college-level (GED) tests, or by proficiency examinations administered by the College.

STUDY ABROAD

Study abroad may be arranged during any calendar term. Students interested should contact the Dean of Student Development. Foreign study may be arranged with other colleges or with any approved institute of learning.

Plan Of Study

The programs of the College aim to attain the educational objectives described in the "Mission Statement."

The General Education core, required of all students, and the major fields of study have been designed to this purpose. They provide an opportunity for self-development proportionate to students' particular abilities and special needs. Programs are planned to improve the total effectiveness of the in-service professional, and to prepare the pre-service person for a life career.

Degrees

Madonna College offers programs leading to Certificates of Achievement, Associate degrees, and Bachelor degrees.

Certificates of Achievement and/or degrees are awarded to candidates who have successfully completed an existing program or a planned program of studies approved by the Dean and who have fulfilled graduation requirements.

Certificate of Achievement

A Certificate of Achievement is awarded to students who earn 30 semester hours with a grade point average of 2.0 (C) or better in a planned program.

Associate of Arts

Associate of Science

Madonna College provides opportunities for students to pursue courses and/or Associate degrees relevant to career goals. The credits earned are also applicable toward the Bachelor degrees at the College.

Associate Degree requirements:

1. A minimum of 60 semester hours with a grade point average of 2.0 (C). The last 15 semester hours must be completed at Madonna College.
2. A minimum of 24-30 semester hours in a major field of study with an overall grade point average of 2.0 or better. Courses to be selected in consultation with the adviser.
3. 30-32 semester hours in General Education:

Humanities: 16 s.h.

*Religious Studies 4 s.h.

**Communication Skills or
Technical Writing 4 s.h.

Great Monuments in Art or
Ideas in World Literature or
Music through the Ages 4 s.h.

Medium and the Message 4 s.h.

Natural Sciences and/or Mathematics: 6-8 s.h.

Social Sciences: 8 s.h.

- General Psychology 4 s.h.
- World Problems or Diplomatic History of USA or Emerging Nations 4 s.h.

4. Electives (some may be applicable toward a major or supportive courses).
5. *Some courses are designed basically within the Catholic tradition; other courses are non-demoninational in approach and of general human interest.
6. **Proficiency in the use of the written and oral language, comprehension and reading skills established through examinations and/or courses.

NOTE: An associate degree of Arts or Sciences from a community college is recognized as fulfilling the General Education requirements of the College. However, if the transfer credits do not include courses in Religious Studies students are required to take 8 semester hours in that area toward a Bachelor degree, in keeping with the philosophy of the College.

Bachelor Degree

For the Bachelor of Arts or Bachelor of Science degree a minimum of 120 semester hours with a grade point average of 2.0 (C) or better is required. This includes:

1. 46-48 semester hours in General Education:

Humanities: 24 s.h.

- *Religious Studies 8 s.h.
- **Communication Skills or Technical Writing 4 s.h.
- Great Monuments in Art or Ideas in World Literature or Music through the Ages 4 s.h.
- Medium and the Message 4 s.h.

and ONE of the following:

- ENG 301, 302, 321, 355, 363, 386, 421;
- HIS 108, 315, 330, 333, 421;
- PHL 105, 155, 221, 330, or 440 4 s.h.

Natural Sciences and/or Mathematics: 6-8 s.h.

Social Sciences: 16 s.h.

- General Psychology 4 s.h.

and ONE of the following:

- BUS 101, 235, 302, 318, 319, 360;
- CJ 321, 323, 401, 418;
- EDU 195, 432, 478;
- GER 101, 307, 430;
- HEF 225, 353;
- PED 358;
- SOC 101, 221, 322, 367; or SW 233 4 s.h.

- World Problems or Diplomatic History of USA or Emerging Nations 4 s.h.

and ONE of the following:

- BUS 372, 373, 451;
- HIS 231, 341, 453;
- PSC 251, 301, 321, 451; or GEO 301 4 s.h.

2. 30-52 semester hours in a major field of study with an overall grade point average of 2.0 or better, and minimum "C" in each course of the major sequence.
3. Electives (some may be applicable toward a major or supportive courses).
4. Successful passing of the comprehensive examination.
5. *Some courses are designed basically within the Catholic tradition; other courses are non-denominational in approach and of general human interest.
6. **Proficiency in the use of the written and oral language, comprehension and reading skills established

through examinations and/or courses.

7. A minor is optional.

The last 30 semester hours must be completed at Madonna College.

Students who have difficulty in meeting the requirements of General Education within the usual time necessary for graduation may arrange for a conference with the Dean. Appropriate adjustments will be made upon the recommendation of the faculty adviser.

Equivalency Option

Students who have acquired knowledge through non-traditional ways may wish to demonstrate their academic achievement in order to gain recognition in higher education, business and industry, professional licensing agencies, government and other areas of interest. Credits applicable to the degree may be established through the College Level Examination Program, proficiency examinations, or portfolio evaluation.



AREAS OF CONCENTRATION AND DEGREES

	Areas of Concentration and/or Majors	Minors	Certificate of Achievement	Associate Degree — A.D.	Bachelor Degree	
					B.A.	B.S.
Allied Health Management	X			X		X
Art	X	X		X	X	
Biology	X	X				X
Biology-Chemistry	X	X				X
Business Administration	X	X				
Accounting & Finance				X		X
Computer Science & Information Systems				X		X
Management/Administration				X		X
Marketing				X		X
Chemistry	X	X				X
Communication Arts	X	X		X	X	
Criminal Justice	X	X				
Law Enforcement			X	X		X
Corrections			X	X		X
Administration/Management			X	X		X
Psychology/Education			X	X		X
Emergency Medical Technology	X		X	X		X
Emotionally Impaired	X	X			X	
**Engineering	X	X				X
English	X	X			X	
English-Journalism	X	X			X	
English-Speech	X	X			X	
Fire Science	X		X	X		X
*French	X	X			X	
Gerontology (Aging)	X	X	X	X	X	
History	X	X			X	
Home Economics and Family Life	X	X				X
Child Care and Guidance (Nursery and Day Care Centers)	X		X	X		X
Dietetics Technology	X			X		X
Food and Nutrition	X			X		X
Home Economics	X	X				X
Interpretation and Total Communication	X			X	X	
Journalism/Public Relations	X	X		X	X	
Latin		X				

AREAS OF CONCENTRATION AND DEGREES

	Areas of Concentration and/or Majors	Minors	Certificate of Achievement	Associate Degree — A.D.	Bachelor Degree	
					B.A.	B.S.
Learning Disabilities	X	X			X	
Legal Assistant/Administrator	X		X	X		X
Mathematics	X	X		X	X	
Medical Technology	X					X
Music	X	X			X	
Natural Sciences	X	X		X		X
Nursing	X					X
Occupational Safety and Health/Fire Science	X		X	X		X
Operating Room Technology	X			X		
*Physics		X				
Polish		X				
Political Science		X				
Pre-Professional						
Dentistry						X
Law						X
Medicine						X
Psychology		X				
Public Administration	X			X	X	
Radiologic Technology	X					X
Reading		X				
Religious Studies	X	X	X	X	X	
Social Sciences	X	X		X	X	
Social Work	X			X	X	
Sociology	X	X			X	
*Spanish	X	X			X	
Speech and Drama		X				
***Trade, Industry Allied Health (Voc)	X	X				X

*On consortial arrangement with University of Detroit, Marygrove, and Mercy College.

**Consortial arrangement with University of Detroit.

***Refer to *Education*, page 55 for Teacher Education majors and minors and areas of vocational authorization and certification.

Note: Certificates of Achievement and Associate Degrees cannot be awarded in programs such as Education, Nursing, Medical Technology, and Radiologic Technology.

Divisional Organization

THE DIVISION OF HUMANITIES

- Art
- Communication Arts
- English
- French
- Interpretation and Total Communication
- Journalism/Public Relations
- Latin
- Music Education and Music
- Philosophy
- Polish
- Religious Studies
- Spanish
- Speech and Drama

THE DIVISION OF NATURAL SCIENCES AND MATHEMATICS

- Allied Health Management
- Biology
- Biology-Chemistry
- Chemistry
- Pre-Dentistry
- Emergency Medical Technology
- **Engineering
- Mathematics
- Medical Technology
- Pre-Medicine
- Natural Science
- Nursing
- Occupational Safety and Health/
Fire Science
- Operating Room Technology
- *Physics
- Radiologic Technology
- *Consortial arrangement with University of Detroit, Marygrove and Mercy College.
- **Consortial arrangement with the University of Detroit

THE DIVISION OF SOCIAL SCIENCES

- Business Administration
- Accounting and Finance
- Bank Administration
- Computer Science/Information Systems
- Management/Administration
- Marketing
- Criminal Justice
- Law Enforcement
- Corrections
- Management/Administration
- Psychology/Education
- Economics
- Education
- Elementary/Middle/Secondary
- Emotionally Impaired
- Learning Disabilities
- Reading
- Geography
- Gerontology
- History
- Home Economics and Family Life
- Child Care and Guidance
- Dietetics Technology
- Food and Nutrition
- Home Economics
- Pre-Law
- Legal Assistant/Administrator
- Physical Education
- Political Science
- Psychology
- Public Administration
- Social Work
- Sociology
- Trade Industry, Allied Health (vocational authorization/certification)

Program And Course Description

ALLIED HEALTH MANAGEMENT

Major: 40-52 s.h. including 16-32 s.h. by evaluation, BUS 101, 236, 318, 372, 375 plus 7 s.h. of Business electives. Requirements from supportive fields: EDU 420, 442, 478; ORT 101. For in service certified or registered technologists who have completed an accredited hospital program. Students who have completed the degree requirements and who have a minimum of two years in professional service will be eligible to apply for a provisional certificate in vocational education.

ART (ART)

Major: 30 s.h. including 105, 207, 325, 326. Extensive portfolio of work required for graduation.

Minor: 20 s.h., including 105, 207, 326.

Advanced placement or credit is offered upon producing evidence of previous art work.

102 Great Monuments in World Art 4 s.h.

Slide lectures and discussions of important artifacts and masters in the visual arts, stressing the understanding and appreciation of man's creative ability as seen through works of art. (Art majors take MUS 102 or a literature course).

103 Art Appreciation 2 s.h.

(Interpreter and note taker provided). Survey of major works in visual arts from all ages given in slide lectures and discussions with emphasis on the appreciation and understanding of the contributions of various cultures to the world of art.

105 The Visual Arts in 2-D 4 s.h.

Studio training in beginning drawing and the graphic representation of three dimensional forms from nature or otherwise; a concentrated study of perspective as applied to landscape and other composition; training the powers of observation in the treatment of natural objects; figure drawing exercises. Required of all Commercial Art students.

- 121 Introduction to Commercial Art (JRN) 4 s.h.**
Introduction to the advertising field, its language, manner of working and preparation of ads for commercial purposes. Pre-requisite: ART 105.
- 125 Studio Experiences 2 s.h.**
Exploration in the various media of art both in two and three dimensions.
- 175 Painting and Composition 4 s.h.**
The development of skills requisite to oil painting or acrylics, based on a systematic treatment of composition and the techniques of painting. Emphasis on the most effective use of materials and concepts.
- 190 Watercolor and Acrylics 2 s.h.**
Various exercises in the techniques of watercolor and/or acrylics. Experiences in a variety of subjects. Emphasis on the creative way of arranging a picture and its completion. Prerequisite: ART 105 or approval of instructor.
- 207 Creative Design and Color 4 s.h.**
Elements of color and design as applied to a variety of areas in the arts. Intense study of the basic factors of creative expression. Experimentation in line, texture, area and movement. Emphasis on the development of individual creative powers. Lecture 2 hours, laboratory 4 hours.
- 225 Lapidary and Jewelry 2 s.h.**
Basic stone polishing processes necessary in the completion of cabochons. Experiments in making jewelry using wire and sheet metal.
- 268 Commercial Art Experiences (JRN) 4 s.h.**
Specific problems in advertising design. Techniques of airbrush and photography.
- 301 Art for the Aging (GER*) 4 s.h.**
- 305 Lettering, Calligraphy and Poster Design 4 s.h.**
Development of the skills and the art of lettering, spacing and layout as applied to writing of certificates, announcements and resolutions. Preparation of work for professional use in designing of posters and other projects for reproduction. Recommended for all Commercial Art students.
- 313 Photography I (JRN*) 4 s.h.**
- 314 Photography II (JRN*) 4 s.h.**
- 316 Art for the Elementary School Teacher 2 s.h.**
Study of elements of art with orientation to a variety of media and techniques, emphasizing preparation of innovative, motivating art lessons appropriate to elementary grades. Specifically designed for non-art majors.
- 325, 326 History of Art I, II 4, 4 s.h.**
Understanding and appreciation of the fine arts as exemplified in the major monuments of man's creativity from the ancient cultures to the present.
- 345 Printmaking 4 s.h.**
Experimentation with various media of graphic reproduction including scratchboard, linoleum and woodblock, drypoint, serigraphy and lithograph, modern techniques and materials and their applications.

360 Advertising Design (JRN) 4 s.h.

Introduction to the field of advertising with special emphasis on good design, layout and skillful lettering. Preparation of ads, captions, posters, announcements employed in graphic production of magazine pages, flyers. Interest areas: fashions, direct sales, container designs. Prerequisites: ART 207 and 305 or departmental approval.

408 Three Dimensional Forms 4 s.h.

Three Dimensional forming includes sculpture and ceramics. Choice of one medium is made and experimented with in depth. Wood, clay, plaster as well as more contemporary materials are employed.

425 Advanced Problems in Commercial Art (JRN) 4 s.h.

Advertising campaign problems; camera-ready layout and illustration; color separation and preparation of art work for printing; advanced and independent problems for business and/or institutions; preparation of a job-seeking portfolio.

440, 441 Studio Electives 1-4 s.h.

Independent advanced work in media and disciplines not currently offered, such as, watercolor, design, ceramics and advertising.

BIOLOGY (BIO)

Major: 30 s.h. Requirements from other fields; Chemistry 201, 202; Mathematics, 8 s.h., including 111; Physics 120, 121 or PHY 121, 210 (Chemistry minor recommended).

Minor:
20 s.h.

BIOLOGY-CHEMISTRY

Major: (For preparation of science teacher majors and pre-medical, pre-dental students.)

36 s.h. including CHM 201, 202, 271, 323; BIO 401, 402 and 12 s.h. from Biology electives. Requirements from supportive fields: PHY 120 and 121, or PHY 121 and 210. MTH 111 unless waived on the basis of a performance test. A cooperative experience is highly recommended.

Minor:

24 s.h. including 12 s.h. in Chemistry and 12 s.h. in Biology.

103, 104 General Biology I, II 4, 4 s.h.

Fundamental biological principles and problems as they apply to cellular, organismic and ecological levels of the plant and animal worlds. Lecture 3 hours, laboratory 3 hours.

203 Introduction to Life Chemistry (CHM*) 4 s.h.

224 Basic Human Physiology 4 s.h.

Non-laboratory study of the functioning of the body systems considering the integration and control of life processes in the cells, tissues, organs and systems of the human body. Not open to Nursing, Biology, or Biology-Chemistry majors.

243, 244 Anatomy and Physiology I, II 3, 3 s.h.

Study of the structure and function of the ten major body systems. Supplementary topics include: the cell, fluids and electrolytes and acid-base balance. Lecture 2 hours, laboratory 2 hours, recitation 1 hour.

301 Genetics 4 s.h.

Principles of genetic theory and technique with emphasis on their application to man. Methods of analysis of genetically determined cytological and biochemical differences in individuals and populations. Lecture 3 hours, laboratory 3 hours. Prerequisite: 3 s.h. biology.

317 Invertebrate Zoology 4 s.h.

Morphologic and physiologic study of representative invertebrate organisms; emphasis on the parasitic groups. Identification of invertebrate species stressing the parasitic adult and larval forms. Lecture 2 hours, laboratory 6 hours.

326 Microbiology 4 s.h.

Fundamental principles of microbiology with emphasis on the relationships of microorganisms to human health and disease. Lecture 3 hours, laboratory 3 hours. Prerequisite: CHM 203 or concurrent registration in CHM 271.

350 Medical Mycology 4 s.h.

Studies in the isolation and identification of fungi with emphasis on the fungi of medical importance. Lecture 3 hours, laboratory 3 hours. Prerequisite: BIO 326.

360 Epidemiology 3 s.h.

Study of factors involved in the occurrence and prevention of infectious and non-infectious diseases within human populations. Prerequisite: BIO 326.

371 Pathophysiology 3 s.h.

Study of disease processes affecting normal functioning of the human body. Two major complexes of interrelated systems: Cardiovascular-pulmonary disorders and endocrine-neurological dysfunctions. Prerequisites: BIO 243 or 244.

401, 402 Life Chemistry I, II (CHM*) 4-4 s.h.

427 Clinical Microbiology 4 s.h.

Study of basic principles of clinical microbiology. Includes handling of clinical specimens and basic techniques involved in identification of pathogenic bacteria and actinomycetes. Lecture 1.5 hours, laboratory 4 hours. Prerequisite: BIO 326.

470 Biological Investigations 1-4 s.h.

Independent research, directed reading or special problems under the supervision of a faculty member. Prerequisite: Recommendation of major advisor and problem director.

BUSINESS ADMINISTRATION (BUS)

Major (B.S.) 52 s.h. of general business administration and specialization courses.

Areas of specialization:

Accounting and Finance
Bank Administration
Computer Science
Management/Administration
Marketing.

Major: (A.S.) 32 s.h.

Minor: 24 s.h.

101 Contemporary Society and the Organization 3 s.h.

The dynamics of contemporary administration, social and political influences on the organization, laws and regulatory agencies and their impact on the organization; career opportunities in the organization.

201 Principles of Accounting I 4 s.h.

Elementary accounting theory and procedures utilizing and stressing elementary corporate accounting problems. Subjects treated: classification of accounts, journalizing and posting; preparation of working papers and financial statements; adjusting entries including deferred, accrued, and valuation items; accounting for different forms of business enterprises; and study of problems relevant to cash, investments and receivables.

202 Principles of Accounting II 4 s.h.

Continued study of accounting principles. Subjects treated: problems relevant to inventories, plant and equipment, intangible assets and liabilities, elementary cost accounting; elementary statement and analysis, statements of working capital change and cash flow; budgeting; accounting aids to management; and income tax consideration. Prerequisite: BUS 201.

219 Management of Small Business Enterprises 2 s.h.

Emphasis on laws and regulations, marketing, management and financial considerations.

236 Principles of Management (CJ) 4 s.h.

Introduction to administrative theories and practices. Analysis of managerial functions and their relationship to political, power, and conflict-resolution forces.

238 Principles of Computer Science (MTH) 4 s.h.

Study of uses and capability of computers and peripheral hardware, terminology, flow charting techniques, procedures and ethics of data storage and retrieval.

245 Program Design: RPG II (MTH) 4 s.h.

Problem solving with the computer, using the computer language RPG II, numerical and non-numerical applications, algorithms. Lecture and laboratory. Prerequisite: BUS 238 or departmental approval.

246 Program Design BASIC (MTH) 2 s.h.

Problem solving with the computer, using the computer language BASIC. Numerical and non-numerical applications. Lecture and laboratory. Prerequisite: BUS 238 or departmental approval.

247 Program Design FORTRAN (MTH) 4 s.h.

Problem solving with the computer, using the computer language FORTRAN, numerical and non-numerical applications, algorithms. Lecture and laboratory. Prerequisite: BUS 238 or departmental approval.

250 Internship I: Computer Operations 3 s.h.

Operation of a computer system, diagnosis and solution of system operation problems. Prerequisite: BUS 238 and 245.

286 Individual Taxation (LAW) 3 s.h.

Maintenance of tax records; drafting tax returns; maintenance of tax law library; procedures and developments in the areas of corporate income tax, individual income tax, partnership income tax, estate tax and gift tax.

301 Principles of Marketing 4 s.h.

Identification of the structure of marketing and the basic problem in marketing management, consideration of all facets of consumer behavior and company objectives; a marketing mix of product, price, place and promotion.

302 Organizational Behavior 4 s.h.

Analysis of group and individual behavior in the organization; analysis of social structures which affect management policies and procedures.

303 Intermediate Accounting 4 s.h.

Integrated application of accounting principles, practices and procedures. Prerequisite: BUS 202.

305 Consumerism (HEF) 3 s.h.

Study of the interrelationship of the economic and marketing aspects of consumerism as it relates to the organization, governmental legislation, and enforcement. Emphasis on marketing and advertising functions, warranties, and product legislation. Prerequisite: BUS 301 or departmental approval.

307 Communication and Promotion (JRN) 4 s.h.

Coordination of advertising, personal selling and other forms of promotion effective in attaining sales goals. Prerequisite: BUS 301.

312 Production and Operations Management 4 s.h.

Analysis of system operations, functioning and control of the operations system; models for operations management decisions. Prerequisite: BUS 236 or departmental approval.

314 Marketing Management 4 s.h.

Study of physical distribution, distribution cost analysis, determination of effective pricing and production of a marketing plan. Prerequisite: BUS 301.

315 Business Finance 4 s.h.

Introduction to the theories and concepts of financial management of business. Emphasis on interpreting financial statements, asset management, sources and uses of funds, divi-

dent policies and effects of various policy decisions on the value of the firm. Prerequisite: BUS 201, 372.

318 Human Behavior and Leadership (CJ/EDU/PSY) 2 s.h.

Identification of leadership styles, matching leadership styles to specific on-the-job situations. Behavior modification and analysis of inter-personal transactions.

319 Human Behavior and Attitudes (CJ/EDU/PSY) 3 s.h.

Holistic approach to understanding oneself and growth of self-image; principles of human relations and motivation.

320 Marketing Research and Analysis 4 s.h.

Study of marketing research and analysis procedures; design of a marketing research project. Prerequisite: BUS 314 or departmental approval.

322 Materials Management 4 s.h.

Procedures for determining need, selection of sources, purchasing and storage of materials. Prerequisite: 236 or departmental approval.

332 Personnel Management 3 s.h.

Analysis of personnel functions, job and manpower requirements, techniques for recruitment and hiring, training and evaluating personnel, job analysis techniques; compensation process; collective bargaining process. Prerequisite: BUS 236 or departmental approval.

333 Business Law 4 s.h.

Study of legal problems of business, contracts and agency, law of corporation, bailments, sales and negotiable instruments.

345 Advanced Computer Science (MTH) 4 s.h.

Study of input, output, and auxiliary storage devices, compiling techniques, microprogramming functions, complex programming techniques. Prerequisite: BUS 245.

350 Managerial Accounting 4 s.h.

Management use of accounting information for planning and control procedures, evaluation of performance, and product costing. Prerequisite: BUS 201 and 236.

360 Personal Money Management (HEF) 3 s.h.

Techniques of protecting property, getting the most out of income, and increasing income in the areas of insurance, taxes, credit, stocks, bonds and real estate.

371 Investments 3 s.h.

Characteristics of investment markets; alternative approaches toward personal and institutional portfolios.

372 Principles of Macroeconomics (ECN*) 4 s.h.

373 Principles of Microeconomics (ECN*) 4 s.h.

375 Allied Health Management (RTE) 3 s.h.

An integrated approach to administration, including the behavioral, financial, and operational functions. Prerequisite: BUS 236 or departmental approval.

380 Money And Banking (ECN*) 4 s.h.

405 Advanced Accounting 4 s.h.
Solving problems dealing with partnerships, consolidations, fiduciaries; evaluation of consolidated financial statements. Prerequisite: BUS 303.

410 Cost Accounting 4 s.h.

Analysis, design, and operation of cost accounting systems, computer systems; techniques for planning, controlling and analyzing costs and profits. Prerequisite: BUS 303.

419 Special Problems 1-4 s.h.

In-depth study of selected problem areas in accounting, computer science, finance, management, or marketing on a weekend seminar basis.

423 Business Policy 4 s.h.

Capstone course; emphasis on the integration of business administration knowledge in order to develop general points of view and standing decisions based on logical and critical thinking, analytic skills, historical perspective, and an ethical system. Prerequisite: Major in Business Administration. (To be taken in final eight hours of program.)

442 Research in Management 4 s.h.

Study of research methodology, statistical analysis, and implications of research results. Emphasis on the completion of a research study by the student. Prerequisite: 12 hours in management.

445 System Design 4 s.h.

Techniques for the analysis and design of information systems. Prerequisite: BUS 245, 247 or departmental approval.

450 Auditing 4 s.h.

Analysis of the audit process, the audit examination and procedures for completing the audit test. Emphasis on generally accepted auditing standards and professional ethics. Prerequisite: BUS 405.

451 Economics and Business History (ECN/HIS*) 4 s.h.

455 Decision Making with Statistics 4 s.h.

Nature of decisions; quantitative methods to solve problems; model building and formulation, and interpretation of use of results from an analysis. Prerequisite: minimum 20 s.h. in Business Administration and MTH 105 or equivalent.

461 Corporate Taxation (LAW) 4 s.h.

Maintenance of corporate tax records; drafting returns for business entities; basic tax research, procedures and developments in the area of corporate tax. Prerequisite: BUS 202.

485 Internship: Systems Design II 4 s.h.

Design of system including specification of objectives; data processing, human, and economic constraints; system proposal presentation; implementation of the system; training for the system; and system documentation. Prerequisite: BUS 445.

American Institute of Banking

Students may transfer a maximum of 30 credit hours with a grade of "C" or better from the American Institute of Banking toward a major in Bank Administration for a Bachelor of Science degree at Madonna College.

Control Data Institutes Graduates

Upon admission to Madonna College, Control Data Institute graduates of the Computer Programming and Computer Technology sequence of courses are granted 30 semester hours of credit toward a Bachelor of Science degree with an area of concentration in computer science. These credits will be recognized as the major concentration for the Associate of Science degree in computer science. To complete the requirements for this degree, 30-32 additional semester hours of credit will

be taken in general education at Madonna College. The 30 semester hours of credit may also be applied toward a major in computer science for a Bachelor of Science degree at Madonna College.

CAREER RESOURCE CENTER

100 Career Planning and Decision Making 1 s.h.

Theories of career development; self awareness and values clarification; career exploration; decision making and career/life planning.

200 Employability Skills 1 s.h.

Job campaign strategies, interviewing and resume writing skills, filling out job applications, taking employment tests.

Cooperative Experience

Cooperative assignments in the Career Resource Center are available and can be requested through the Co-op Director. See page 48.

CHEMISTRY (CHM)

Major: 30 s.h. including CHM 334, 353, 354. Requirements from other fields: PHY 120, 121, or PHY 121, 210; MTH 251, 252.

Minor: 20 s.h.

099 Chemical Fundamentals for Allied Health 2 s.h.

Basic concepts of mathematics used in general chemistry; introduction to atomic structure, periodicity, elements of stoichiometry, and some solution chemistry. (For credit, but not applicable toward degree.)

101 Introduction to General Chemistry 3 s.h.

Basic concepts of chemistry with emphasis of their application to fire science. (Not for majors in allied health or nursing programs. May apply to general education requirements.) Lecture 2 hours, laboratory 3 hours.

201 Inorganic Chemistry 4 s.h.

Chemical arithmetic, states of matter, atomic theory, bonding, structure and equilibrium. Lecture 3 hours, laboratory 3 hours. Prerequisites: One year of high school chemistry and one year of high school mathematics or CHM 099.

202 Chemical Dynamics 4 s.h.

Emphasis on chemical activity; thermodynamics, kinetics, ionic equilibria, acid-base systems and electrochemistry. Qualitative analysis of common cations and anions. Lecture 3 hours, laboratory 3 hours. Prerequisites: CHM 201 and MTH 111, or MTH 105, 106.

203 Introduction to Life Chemistry (BIO) 4 s.h.

Integrated organic and biochemical principles related to normal functioning of the human body. Lecture 3 hours, laboratory 3 hours. Prerequisite: CHM 201.

271 Organic Chemistry I 4 s.h.

Carbon compounds, aliphatic and aromatic compounds; their classification, structure, properties and uses; heterocyclic compounds. Lecture 3 hours, laboratory 3 hours.

301, 302 Human Clinical Pathology I, II (MTE*) 4, 4 s.h.

323 Analytical Chemistry 4 s.h.

Theoretical background for chemical analysis; includes modern analytical techniques, chemical and instru-

mental chromatography, UV, VIS, IR, electroanalysis and radiochemistry. Lecture 3 hours, laboratory 3 hours.

334 Organic Chemistry II 4 s.h.

More extensive study of aliphatic, aromatic and heterocyclic compounds; practical experience in the important synthetic methods and qualitative identification of common functional groups. Lecture 3 hours, laboratory 3 hours. Prerequisite: CHM 271.

353, 354 Physical Chemistry I, II (Consortial arrangement) 4, 4 s.h.

Fundamental theoretical chemistry, atomic theory and structure of matter, bonding; laws of gases, liquids and solids; thermodynamics, chemical kinetics. Lecture 3 hours, laboratory 3 hours. Prerequisites: PHY 120, 121; MTH 251, 252.

401, 402 Life Chemistry I, II (BIO) 4, 4 s.h.

Principles of biochemistry and physiology related to the human organism; a biochemical basis for the study of life processes. Prerequisites: CHM 271; BIO 224 or 243.

470 Problems in Chemistry 1-4 s.h.

Advanced study in a special area of interest in laboratory or library research studies. Prerequisite: Recommendation of major advisor and problem director.

CHILD CARE AND GUIDANCE
(Listed under Home Economics and Family Life.)

COMMUNICATION ARTS

Major: 20 s.h. in either English, Journalism, or Speech and 8 s.h. in each of the others, including ENG 101 or 200; JRN 132, 357; SPH 105.

Minor: 16 s.h. in English, Journalism, or Speech and 4 s.h. in each of the others, including ENG 101 or 200; JRN 132, 357; SPH 105.

CO-OPERATIVE EDUCATION:

Co-operative Education course numbers are: 191, 192, 291, 292, 391, 392, 491, 492.

Co-operative Education description is on page 29-30.

CRIMINAL JUSTICE (CJ)

Major: 52 s.h. in Criminal Justice and supportive courses.

Core courses include:
CJ 102, 201, 265, 321 or 323, 495.

Areas of specialization:

Law Enforcement

Core courses plus CJ 211, 305, 311, 401.

Corrections

Core courses plus CJ 121, 235, 280, 281, 402.

Administration/Management

Core courses plus BUS 236, 318; PSC 310; SW 233.

Psychology/Education

Core courses plus PSY 304, 316, 342; EDU 419.

Required supportive courses:
PSC 251; SOC 101 or 221; SOC 322 or 442; SOC 342 or 367.

Minor: 20 s.h.

102 Introduction to Criminal Justice (SOC/PSC) 3 s.h.

Study of agencies and process of the criminal justice system. Responsibilities of the police, prosecutor, courts, corrections and society in the criminal justice process.

121 Introduction to Corrections (SOC) 3 s.h.

Philosophical and historical background of corrections; European antecedents and the American evolution of correctional facilities and programs; survey of career opportunities.

201 Criminal Justice Organization and Administration (PSC/SOC) 3 s.h.

Organization and management of the various criminal justice agencies throughout the United States. Includes systems of management and systems analysis and their relationships.

211 Law Enforcement Administration (SOC) 3 s.h.

Organization and management of law enforcement agencies, the role of the police administrator in line and staff functions. Investigation of areas of police qualifications, promotional standards and cadet systems.

212 Correctional Regulations 3 s.h.

Laws, rules and regulations concerning the corrections officer and the jailer specialist.

213 Traffic Operations, Administration and Investigation 3 s.h.

Role of police administrator in traffic operations, administration and supervision. Strategies for moving and controlling traffic; investigation of vehicular accidents; familiarization with traffic safety programs.

- 217 Advanced First Aid (EMT*/OSH/PED)** 3 s.h.
- 218 Seminar on Drug Abuse And Overdose (EMT/OSH/PED)** 2 s.h.
Overview of commonly abused drugs and their effects both physiologically and psychologically; causes and symptoms leading to drug abuse; identification of the user; current trends in diversion and treatment.
- 231 Correctional Justice Organization and Administration (SOC)** 3 s.h.
Organization and management principles of correctional agencies; correctional procedures, rights and process.
- 233 Interviewing Techniques (SOC/SW*)** 4 s.h.
- 235 Probation and Parole (SOC)** 3 s.h.
History and philosophy of probation and parole; function and operation of pardon and parole boards; statutory authorization and limitations; modern trends; personnel qualifications.
- 236 Principles of Management (BUS*)** 4 s.h.
- 265 Criminal Law (SOC)** 3 s.h.
History, purposes and philosophy of criminal law, local, state and federal law; development, application and rights of the offender.
- 280 Principles and Methods of Corrections I. (SOC)** 3 s.h.
Legal aspects of probation, drug addiction and alcoholism; analysis of human behavior from the viewpoint of corrections; understanding basic counseling techniques and establishing therapeutic relationships.
- 281 Principles and Methods of Corrections II. (SOC)** 3 s.h.
Continuation of C.J. 280 including demonstration of practical ability to apply counseling psychology to casework. Prerequisite: C.J. 280.
- 291, 391, 491 Practicum in Criminal Justice/Co-op** 3, 3, 3 s.h.
Internship in an approved criminal justice setting designed to provide opportunities to synthesize theory with practice. Laboratory 32 hours for each semester hour, available for co-op.
- 301 Basic Police Training** 3 s.h.
Credit awarded to those who have successfully completed 240 instructional hours in a Michigan Regional Police Academy, or equivalent instruction.
- 302 Field Experience** 3 s.h.
Credit awarded by the director for one year full-time experience in an appropriate area of the criminal justice system.
- 303 Jail Operations** 2 s.h.
Credit awarded to those who successfully complete the U.S. Bureau of Prisons course in "Jail Operations."
- 304 Jail Administration** 2 s.h.
Credit awarded to those who successfully complete the U.S. Bureau of Prisons course in "Jail Administration."
- 305 Criminal Procedure (SOC)** 3 s.h.
Procedural law for law enforcement officers. Law of arrest, evidence and search and seizure. Prerequisite: CJ 265.
- 310 Introduction to Public Administration (PSC*)** 4 s.h.

311 Criminal Investigation 3 s.h.

Basic principles and procedures of criminal investigation; conduct at crime scene search, collection and preservation of evidence, interviewing and methods used in crime laboratories. Prerequisite: CJ 102.

318 Human Behavior and Leadership (BUS*/EDU/PSY) 2-4 s.h.

319 Human Behavior and Attitudes (BUS,* EDU, PSY) 3 s.h.

321 Principles of Criminology (SOC) 3 s.h.

Study of the incidence, type, causes and theories of adult deviant behavior. Emphasis is placed upon current crime trends and statistics and the processes involved in dealing with crime.

323 Juvenile Delinquency (SOC) 3 s.h.

Theories of causation and prevention of delinquency, role of the courts, police prevention programs, institutions in the control and prevention of juvenile delinquency.

355 Contemporary Correctional Methods (SOC) 3 s.h.

Current practices and trends in correctional methods; parole, probation and correctional institutions.

401 Crime Prevention and Police Community Relations (SOC) 3 s.h.

Social responsibility of criminal justice personnel; cooperation between criminal justice personnel and the community; emphasis on minority groups, political pressure and cultural problems.

402 Human Relations for Corrections (SOC) 3 s.h.

Study of the sociological, psychological and political determinants in the development of human relations as viewed from aspects of corrections in the criminal justice system.

405 Constitutional Law (PSC) 3 s.h.

Introduction to constitutional law political theory. Historical examination of the major Supreme Court decisions which have contributed to contemporary judicial interpretations of the Constitution.

412 Organized Crime Institute 3 s.h.

History, scope and methods of control of organized crime in the United States. Emphasis on local, regional and statewide control of organized crime; social implications of organized crime. Prerequisite: departmental approval.

418 Narcotics Institute (SOC) 3 s.h.

Problems faced by local, state, federal and international law enforcement agencies concerning drug manufacture, trafficking and investigative techniques. Examination of social problems caused by drug use.

423 Homicide Investigation 3 s.h.

Study of the many facets which comprise a thorough, sound and reliable homicide investigation; inquiry into new investigative techniques as well as a review of State laws concerning homicide. Consideration of case preparation, warrant writing, arrests, arraignment and preliminary examinations.

435 The American Judicial Process 3 s.h.

Analysis of the American state and federal court system; a compar-

tive study of foreign court systems. Prerequisite: C.J. 265 and 305 or Director's permission.

495 Criminal Justice Seminar 3 s.h.

Evaluation of criminal justice practices and procedures. Emphasis on contemporary criminal justice problems and their solutions.

DIETETIC TECHNOLOGY

(Listed Under Home Economics and Family Life.)

ECONOMICS (ECN)

372 Principles of Macroeconomics (BUS) 4 s.h.

Measurement and determination of economic activity and development, aggregate income, and employment. Emphasis on consumption, monetary policy, taxes, government investment, and expenditures.

373 Principles of Microeconomics (BUS) 4 s.h.

Theories of production and cost, demand, supply, competition, consumer behavior, and distribution of income.

380 Money and Banking (BUS) 4 s.h.

Study of the nature and function of money, with reference to the expansion and contraction of the money supply. The various functions of the Federal Reserve System including the control of the rate of interest, money supply and an explanation of check clearance. Prerequisite: ECN 372.

451 Economics and Business History (BUS/HIS*) 4 s.h.

EDUCATION (EDU)

The Madonna College Teacher Education competency-based programs are designed to prepare students for teaching. The College recommends students for provisional elementary certification (K-9) and secondary certification (7-12); for K-12 certification in Art and Music; for K-12 endorsement in Learning Disabilities, Emotionally Impaired, and Reading; and for Middle School Endorsement (5-9). The College recommends students for vocational endorsement and authorization in Trade and Industry, Health Occupations, and Home Economics and Family Life.

I. ADMISSION TO EDUCATION:

Students planning to pursue a program in teacher education take the following steps:

- A. Declare intention of preparing for the profession of teaching either on the elementary or secondary level at the time of application to the College.
- B. Apply for admission to the Teacher Education Program during the first semester of the sophomore year, or upon completion of 30 s.h. including EDU 200.
- C. To be retained in the program students must meet the following requirements:
 1. 2.0 or higher grade point average;
 2. 3 semester hours of EDU 200;
 3. proficiency in use of communication skills established

through examination and/or courses;

4. two letters of recommendation (one from the major adviser);
5. general good health;
6. annual tuberculosis test.

Transfer students who have completed 60 semester hours or more are admitted provisionally into the Teacher Education Program. Upon successful completion of a minimum of 12 semester hours at Madonna College and the fulfillment of the requirements listed above, the student will be admitted into the Teacher Education Program by the Teacher Education Committee. For those entering Madonna College with a completed bachelor's degree the Education Department will design individual programs.

II. ADMISSION TO DIRECTED TEACHING:

Early in the first semester of the senior year the student applies for admission to Directed Teaching which is to take place in the following semester. At this time the student shall submit the following:

1. evidence of academic competency in major, minor and planned program. Only "C" grade or better is applicable in professional courses, major, minor or planned program;
2. accumulated evidence of growth in professional teaching competence;
3. written recommendation from major adviser;
4. Teacher Education Committee approval.

III. APPLICATION FOR MICHIGAN CERTIFICATION

To be recommended by the College for provisional certification in the State of Michigan on the elementary (K-9), and/or secondary level (7-12), the prospective teacher fulfills the following requirements:

1. *Completes a major of at least 30 semester hours or a group major of 36 semester hours in an approved field.*
2. In addition to the above, applicants for secondary certification complete an approved minor of at least 20 semester hours or a group minor of 24 semester hours. Those in elementary teaching may elect a minor, but must complete a planned program of a minimum of 20 semester hours in substantive fields other than the major.

The Elementary planned program must be taken from among the following courses:

REQUIRED:

Mathematics 243	4 s.h.
Science 111 or 112 or 113	4 s.h.

ELECT ONE from each group:

Art 316	2 s.h.
Music	4 s.h.
Economics 372	4 s.h.
Geography 301	4 s.h.
Political Science 251	4 s.h.
Literature 300	4 s.h.
Speech 105 or 401	4 s.h.

Additional or other substantive courses may be taken upon the recommendation of the chairman of the department of Education and approval of the Dean.

3. Completes the following professional Education courses:

200 Introduction to Professional Education Experiences 3 s.h.

312 Educational Learning and Growth Patterns 4 s.h.

320 Psychology of Reading 4 s.h.

346 Instructional Media 1 s.h.

Methods of Instruction (appropriate to certification desired) 3 s.h.

Directed Teaching 4, 6, 8 s.h. (appropriate to certification desired)

480 Foundations of Education 4 s.h.

4. Demonstrates competence in the teaching-learning process. Students must have a set of credentials completed and on file with the College. A professional service of supplying credentials for teacher education graduates is offered by the College through the Department of Teacher Education.

5. A student who desires certification in another state should plan programs in accordance with the certification code of that state.

NOTE:

1. Courses fulfilling requirement in General Education are also applicable towards the elementary planned program or a teaching major or minor.
2. Admission to the Teacher Education program and admission to student teaching do not guar-

antee eventual recommendation for a certificate. Students must maintain satisfactory standards to be retained in the program and they must be recommended for certification by the Teacher Education Committee.

SPECIAL EDUCATION (SED)

The Department of Teacher Education offers special programs leading to endorsements on teaching certificates in the following areas: Teacher of Learning Disabilities (K-12) and Emotionally Impaired (K-12).

These programs are open to all students and are of particular interest to those certified teachers wishing to complete an 18 hour planned program for Continuing Certification, and those individuals who wish to add another teaching endorsement to their current teaching certificate.

IV. SPECIAL TEACHING ENDORSEMENT PROGRAMS:

(For endorsement of certified elementary and/or secondary teachers).

1. *Middle School: (5-9)*

An 18 s.h. planned program to include the following courses: Psy 313; Edu 346/449 and Edu 469.

2. *Reading Improvement: (K-12) (minor only)*

A 24 s.h. planned program selected from the following courses: Psy 101, 310, 320, 372; Edu 382, 385 and Eng 300.

**V. SPECIAL EDUCATION
ENDORSEMENT PROGRAMS:**

1. *Emotionally Impaired:* (K-12)

A 37 s.h. planned program; Re-
quired course sequence: 21 s.h.
SED 317, 323, 321, 426, 435; ITC
228; and EDU 467.

Required Adjunct Courses:
8 s.h. PSY 342, 350.

Electives: 8 s.h. PSY 340, 341;
SOC 221; SED 203, 358, 409, 410.

2. Learning Disabled: (K-12)

A 37 s.h. planned program. Re-
quired course sequence: SED 215
or 315, 358, 310; PSY 320, 340,
401; SED 448, 495; ITC 228; SED
409/410 and/or EDU 468.

Support courses: PSY 325, 341,
350; SED 203, 312, 372.



MADONNA COLLEGE TEACHER EDUCATION PROGRAMS

Accredited by the National Council for the Accreditation of Teacher Education in 1972.

	Elementary (K-9)		Middle (5-9)		Secondary (7-12)	
	Major	Minor*	Major	Minor	Major	Minor
Art (K-12)	X	X	X	X	X	X
Biology	X	X	X	X	X	X
Chemistry	X	X	X	X	X	X
Communication Arts ¹	G	G	G	G	G	G
Emotionally Impaired (K-12)	X	X	X	X	X	X
English	X	X	X	X	X	X
English-Journalism	G	G	G	G	G	G
English-Speech	G	G	G	G	G	G
French	X	X	X	X	X	X
Health (Voc)					X	X
History	X	X	X	X	X	X
Home Economics and Family Life ²	X	X	X	X	X	X
Child Care and Guidance (Voc ²)					X	X
Home Economics	X	X	X	X	X	X
Journalism		X		X		X
Latin		X		X		X
Learning Disabilities (K-12)	X	X	X	X	X	X
Mathematics	X	X	X	X	X	X
Music Education (K-12)	X	X	X	X	X	X
Natural Sciences ³	G	G	G	G	G	G
Physics ⁴		X		X		X
Polish		X		X		X
Political Science		X		X		X
Reading		X		X		X
Science ⁵	G	G	G	G	G	G
Social Science	G	G	G	G	G	G
Sociology	X	X	X	X	X	X
Spanish	X	X	X	X	X	X
Speech		X		X		X
Trade, Industry, Allied Health (Voc)					X	X

X = Major, 30-32 s.h.; minor 20 s.h.
 G = Group Major, 36 s.h.; group minor, 24 s.h.

*The minor is optional. A planned program of 20 semester hours required in substantive fields appropriate to elementary education.

- 1 Includes combinations of English, Journalism and Speech.
- 2 Vocational Certificate approved by State Department, March, 1969.
- 3 Includes combinations of Biology, Chemistry, Mathematics and Physics.
- 4 On consortial arrangement.
- 5 Combinations include Biology-Chemistry, Biology-Chemistry-Physics, Chemistry-Physics.

200 Introduction to Professional Education Experiences 3 s.h.

Observation-participation in a school as teacher aide; experiences in instruction, development of curriculum and instructional materials; experiences in an urban or mixed racial educational setting. Laboratory and seminar.

201 Creative Art and Music Experiences (HEF*) 4 s.h.

203 Musical Experiences for the Disabled Child (MUS/SED) 2 s.h.

Experiences in music; guidelines for planning creative activities and units of instruction for teaching the disabled within the regular music curriculum. Lecture 1 hour, laboratory 2 hours.

208 Creative Play and Movement (HEF*/MUS/PED) 4 s.h.

210 Survey of Child Care Centers (HEF*) 4 s.h.

215 Introduction to Learning Disabilities (SED) 4 s.h.

Principles and practices in working with learning disabled children. Lecture 3 hours, laboratory 2 hours. Prerequisite: PSY 101.

310 Language Development in Early Childhood (HEF*/PSY/SED) 4 s.h.

312 Educational Learning and Growth Patterns 4 s.h.

Focus on the learning process: role of the teacher in learning; efficiency of learning as it is affected by the developmental processes; psychological principles that are central to the learning process and their relationship to the teaching situation;

variables in learning; evaluation of the outcomes of learning. Prerequisite: PSY 101. Lecture 3 hours, laboratory 2 hours.

313 Adolescent Psychology (PSY*) 4 s.h.

315 Learning Disabilities (K-12) (SED) 4 s.h.

Contemporary practices and problems in the education of children and youth with specific learning disabilities; individual and multiple combination of factors including problems of perception, motor skills, and sensory abilities. Prerequisite: PSY 101.

317 Development of Competencies for Teaching the Emotionally Impaired (SED) 2 s.h.

Experiences related to the development of a general pattern of preparing to teach the emotionally impaired. Identification of special needs of participants and planning for competency development.

318 Human Behavior and Leadership (BUS*/CJ/PSY) 2-4 s.h.

319 Human Behavior and Attitudes (BUS*, CJ, PSY) 3 s.h.

320 Psychology of Reading (PSY*) 4 s.h.

321 Practicum I, Emotionally Impaired (SED) 2 s.h.

Supervised practicum experiences with the emotionally impaired child in residential and clinical settings. Laboratory 4 hours. Must be taken with SED 323. Prerequisite SED 317.

323 Seminar in the Conceptual Models of Emotional Impairment (SED) 4 s.h.

Conceptual models of child variance, intervention strategies, service delivery systems, future directions. Classification of varying behavior disorders. Sociological and cultural influence on emotional development. Must be taken with SED 321. Prerequisite SED 317.

340 Human Growth and Development I (HEF/PSY*/SOC) 4 s.h.

341 Human Growth and Development II (HEF/PSY*/SOC) 4 s.h.
Prerequisite: EDU 340.

342 Deviant Behavior (PSY*/SOC) 4 s.h.

346 Instructional Media 1 s.h.
Selection and use of audio-visual aids for instructional purposes. Seminar and laboratory 2 hours. Must be taken with Methods course.

350 Psychology of the Exceptional Child (PSY*/SED/HEF) 4 s.h.

358 Perceptual Learning Disabilities (SED/PSY) 4 s.h.
Identification of problems related to visual, auditory, kinesthetic, and other sensorimotor perceptual skills. Lecture 3 hours, laboratory 2 hours. Prerequisite PSY 101.

372 Diagnosis and Remedial Techniques in Reading (PSY/SED) 4 s.h.

Identification of reading and associated difficulties; methods in diagnostic and remedial work; use of tests and clinical apparatus in improvement of learning; observations and labora-

tory experiences. Lecture 3 hours, laboratory 2 hours. Prerequisite: EDU 320.

382 Reading in the Curriculum 4 s.h.

Identification of skills to be developed at different maturational levels, with emphasis on reading in the content areas and organization of reading programs. Lecture 3 hours, laboratory 2 hours. Prerequisite: PSY 320.

409/410 Practicum in Diagnostic and Prescriptive Techniques I, II (SED/PSY) 2, 2 s.h.

Study of diagnostic instruments and techniques, as interviewing, special testing, case histories, followed by a practicum in the use of measures to evaluate children with learning disabilities. Educational prescriptions made on the basis of diagnostic findings. Lecture 2 hours, laboratory 4 hours. Must be taken two consecutive semesters.

419 Principles and Techniques of Instruction (OSH/FS) 2-4 s.h.

Subject matter organization. Curriculum planning: determining objectives, methods of attainment and evaluation techniques; preparation of basic audio-visual materials and operation of related equipment; test construction. (Not for elementary or secondary teachers.) Lecture, laboratory.

421 In-Service Projects 1-4 s.h.

Focus on new developments in education with practical implementation: open classroom concept, individualized instruction, instructional technology, accountability. Prerequisite: departmental approval.

426 Seminar in the Emotionally Impaired Child in the Classroom (SED) 4 s.h.

Goals, methodology, and assessment of the emotionally impaired stu-

dent. Specific classroom practices for acquiring attention, order, response, social competencies. Methods, materials and classroom designs for working with the emotionally impaired child. Must be taken with SED 435. Prerequisite SED 321 and 317.

435 Practicum II, Emotionally Impaired (SED) 2 s.h.
Individual contact with the emotionally impaired. Laboratory 6 hours. Must be taken with SED 426. Prerequisites: SED 321 and 317.

442 Principles of Vocational Instruction (OSH) 4 s.h.
Combination of orientation to the business community and the principles of teaching the relationship between business and education. Special techniques for teaching adults. Lecture 3 hours, laboratory 2 hours.

446 Methods in Manual Communication (ITC*/SED) 3 s.h.

448 Methods for Teaching the Learning Disabled (K-12) (SED) 4 s.h.
Development of competence in instructional systems; assessment, specifying objectives, selecting appropriate methods and materials of instruction, evaluating outcomes; classroom management of individualized instruction.

449 Methods in the Middle School (5-9) 3 s.h.
Methods and materials in the middle school curriculum; observation of classroom procedures; participation in simulation and micro-teaching. Lecture 2 hours, laboratory 2 hours. Must be taken with EDU 346.

450 Methods in the Elementary School (K-9) 3 s.h.
Methods and materials in the elementary school curriculum; observation of classroom procedures; participation in simulation and micro-teaching. Lecture 2 hours, laboratory 2 hours. Must be taken with EDU 346.

451-459 Methods in the Major Field (Secondary) 3 s.h.
Special methods in the subject-matter fields appropriate to the secondary level in which students expect to teach. Lecture 2 hours, laboratory 2 hours. Must be taken with EDU 346.

451 Methods in Art (K-12) 3 s.h.

452 Methods in Communication Arts (7-12) 3 s.h.

453 Methods in Foreign Languages (7-12) 3 s.h.

454 Methods in Home Economics and Family Life (7-12) 3 s.h.

455 Methods in Mathematics (7-12) 3 s.h.

456 Methods in Music (K-12) 3 s.h.

457 Methods in Natural Science (7-12) 3 s.h.

458 Methods in Social Science (7-12) 3 s.h.

459 Methods in Vocational Subjects 3 s.h.
Concepts and techniques for developing professional teaching abilities; use of community resources; guidance procedures. Performance objectives, relevant teaching materials, equipment aids and effective delivery systems in specific adult education and vocational curriculum areas.

467 Directed Teaching: Emotionally Impaired (K-12) 6 s.h.
Observation and teaching in classroom situations; individual conferences and seminars.

468 Directed Teaching: Learning Disabled (K-12) (SED) 4 s.h.
Observation and teaching in classroom situations; individual conferences and seminars.

469 Directed Teaching: Middle Schools (5-9) 4, 6, 8 s.h.
Observations and teaching in classroom situations; individual conferences and seminars.

470 Directed Teaching Elementary School (K-9) 4, 6, 8 s.h.
Observations and teaching in classroom situation; individual conferences and seminars.

471-479 Directed Teaching Secondary School 4, 6, 8 s.h.

471 Art (K-12)

472 Communication Arts (7-12)

473 Foreign Languages (7-12)

474 Home Economics and Life (K-12, Vocational)

475 Mathematics (7-12)

476 Music (K-12)

477 Natural Science (7-12)

478 Social Science (7-12)

479 Vocational-Technical

480 Foundations of General and Vocational Education 4 s.h.
Interdisciplinary approach to the

study of fundamental issues and problems in education; the historical, social, philosophical and cultural implications of the school as an educational institution; the structure, function and purposes of educational institutions in our society; emphasis on equal educational opportunity guarantee. Lecture 3 hours, laboratory 1 hour assigned according to general or vocational curriculum.

485 Reading Practicum 2-4 s.h.
Supervised clinical and classroom teaching of reading. Two laboratory hours for each semester hour. Prerequisites: EDU 320, 372.

495 Learning Disabilities Seminar (SED) 1-4 s.h.
Research seminar in cooperation with a community based Learning Disabilities Advisory Board strengthens teaching, diagnostic and organizational competencies necessary for certification endorsement recommendation. Adviser's permission may allow substitution for one required course in Learning Disabilities Program. Student must have Director of Learning Disabilities Approval to enroll. Last semester of program.

EMERGENCY MEDICAL TECHNOLOGY (EMT)

Major (B.S.): 30-52 s.h. in EMT and required support courses: ENG 101; BIO 243, 244, 326; RST 407; SOC 351; CHM 201, 203.

Major (A.S.): 34 s.h. in EMT and required support courses: ENG 101; BIO 243, 244; RST 407; SOC 351.

Admission Requirements:

BASIC EMERGENCY MEDICAL TECHNOLOGY

1. Meet all college requirements;

2. Successful completion of an Advanced First Aid Course (American Red Cross);
3. Interview with department coordinator before acceptance;
4. Two letters of recommendation from current employers and/or high school counselors;
5. Resume of work experience;
6. Written statement of purpose for pursuing EMT career.

ADVANCED EMERGENCY MEDICAL TECHNOLOGY

1. Successful completion of Basic EMT program as required by the Michigan Department of Public Health;
2. Resume of work experience as a Basic EMT;
3. Two letters of recommendation from present employers;
4. Interview with Advanced EMT Coordinator before continuation in the program.

To be admitted and retained in the EMT Program, students must meet the following requirements:

1. Grade point average of 2.0 or higher;
2. Proficiency in communication skills;
3. Good physical health in order to meet following demands as an EMT as stated by the United States Department of Transportation:
 - a. manual dexterity, physical coordination, fine manual skills in carrying, lifting, climbing, extricating, hoisting and other similar manoeuvres not detrimental to the patient, fellow workers, or self;
 - b. visual color discrimination;
 - c. visual acuity (correction by lenses permitted);
4. Evidence of personal integrity, emotional stability, and positive attitude. (The College reserves the right to request students' withdrawal from

program at end of any semester because of unsatisfactory performance in theory and for inappropriate behavior and/or lack of competence.

Emergency Medical Technicians provide emergency medical care to the victim of illness or accident. Basic EMT provides necessary care including such techniques as cardio-pulmonary resuscitation, airway management, initial patient assessment and recognition of various medical and surgical problems. Admission to the Basic EMT program requires successful completion of an Advanced First Aid course.

Upon successful completion of the Basic EMT program students may seek admission to the Advanced EMT program to develop knowledge and skills in providing advanced life support, including ECG recognition and diagnosis, cardiac monitoring, defibrillation techniques, drug and intravenous therapy and concepts in the use of telemetry equipment.

The Emergency Intervention program is integrated into the EMT curriculum to provide the Emergency Department Nurse with an understanding of the EMT role in the delivery of pre-hospital health care. Upon completion of the program, the Emergency Department Nurse will qualify to participate in the State Examination for Emergency Medical Technicians.

217 Advanced First Aid (OSH/PED)

3 s.h.

Study of principles and procedures used in basic life support, with emphasis placed on practical skills involved in such areas as CPR, fracture splinting, airway control and patient handling.

218 Seminar on Drug Abuse and Overdose (CJ*/OSH/PED)

2 s.h.

256 Emergency Medical Technology I 3 s.h.

Basic life support techniques: initial patient assesment, vital sign recognition, airway management, cardio-pulmonary resuscitation, fractures. Lecture 2 hours, Laboratory 1 hour. Prerequisite: Advanced First Aid.

257 Emergency Medical Technology II 4 s.h.

Continuation of the basic life support techniques: emergency child-birth, drug intoxication, medical and surgical emergencies, extrication. Lecture 3 hours, Laboratory 1 hour.

266 Basic Emergency Intervention 4 s.h.

Development of the knowledge, skills and personal judgement of the emergency department nurse. At completion of course, the emergency department nurse should have developed all the basic skills necessary to provide basic emergency care within the scope of pre-hospital and hospital care. Open to R.N.'s and junior level student nurses. Lecture 3 hours, laboratory 1 hour.

301 Advanced Emergency Medical Technology III 12 s.h.

Anatomy and physiology, auscultation of the heart, physcial examination, medication and introduction to ECG's. Lecture 8 hours; Laboratory 4 hours. Prerequisite: EMT 256, 257.

302 Advanced Emergency Medical Technology IV 12 s.h.

Concentrated studies of the heart and its relationship to the normal ECG. Cardiac arrthymias, treatment of cardiac arrthymias with drug therapy and cardioversion and defibrillation techniques. Lecture 8 hours, Laboratory 4 hours.

333 Pharmacology (NSC) 2 s.h.

Review of anatomy, physiology, In-depth discussion of drugs, especially those used in emergency situations such as those concerned with the autonomic and central nervous system.

366 Advanced Emergency Intervention I 4 s.h.

Development of knowledge, skills and judgment to function at a highly specialized level of emergency nursing. Emphasis on all skills needed to provide advanced life support within hospital setting; concentration on all major systems and allows the emergency nurse to assist and help in critical care of these patients; special emphasis to cardio-vascular patient; all phases of cardiac nursing in second semester to give emergency room nurse experience of recognizing and interpreting all cardiac rhythms, both normal, abnormal and lethal. Prerequisite: EMT 266. Lecture 3 hours, Laboratory 1 hour.

367 Advanced Emergency Intervention II 4 s.h.

Continuation of advanced techniques used by Emergency Department nurses. Lecture 3 hours, Laboratory 4 hours.

EMOTIONALLY IMPAIRED

(Courses listed under Education and Special Education)

ENGINEERING

A five-year engineering program, through constorial arrangement for generic students at Madonna College, to earn a Bachelor of Science degree from Madonna College and a Bachelor of Engineering degree from the University of Detroit. Students fulfill the

degree requirements of each institution.

After the second year, students may combine academic courses and cooperative training in industry.

The courses required at Madonna College include the following:

- Chemistry 8 s.h.
- Mathematics 16 s.h.
- Physics 8 s.h.
- Humanities 16 s.h.
- Social Sciences 8 s.h.

ENGLISH (ENG)

Major: 32 s.h., including 101 or 200 and 24 s.h. in literature. Prospective elementary teachers include English 300.

Minor: 20 s.h. including 101 and 12 s.h. in literature.

English-Journalism Major: 18 s.h. in each department including English 101 or 200; Journalism 132, 357.

English-Journalism Minor: 12 s.h. in each department including English 101; or 200; Journalism 132, 357.

English-Speech Major: 18 s.h. in each department including English 101; or 200; Speech 105.

English-Speech Minor: 12 s.h. in each department including English 101; or 200; Speech 105.

098 Vocabulary Building 2 s.h.
(for credit but not applicable toward degree)

Vocabulary mastery program consisting of vocabulary improvement techniques and learning approaches to increase word usage and retention.

099 Basic Writing Skills 2 s.h.
(for credit but not applicable toward degree)

Instruction to meet individual needs in basic English writing skills; usage, vocabulary and composition.

100 Developmental Reading 2 s.h.
Individualized program with emphasis on improving vocabulary, study skills, note taking, comprehension and reading.

101 Communication Skills 4 s.h.
Diagnosis of writing weaknesses; experiences to improve writing, speaking, and listening skills; preparation of the library research paper; oral presentation.

106 Creative Writing 4 s.h.
Critical study and practical application of the techniques of poetry, fiction, and drama, with emphasis on creative expression.

132 Newspaper Reporting (JRN*) 4 s.h.

200 Technical Writing 4 s.h.
Theory and application of technical writing principles; basics of library research and preparation of research paper; writing business letters, personal data sheets, the problem solving report, including graphic aids; practice in the oral presentation of technical information to groups.

223 Ideas in World Literature 4 s.h.
Survey of western civilization as expressed in major literary works which reveal the distinctive ideals, values, and attitudes of various eras.

300 Children's Literature and Drama (SPH) 4 s.h.
Classical and contemporary writings for children; dramatization of stories. Selection of materials with ref-

erence to the interest, needs and abilities of children.

301 Major American Writers 4 s.h.

Studies of the several ways in which authors as diverse as Franklin, Emerson, Thoreau, Hawthorne, Melville, Poe, Whitman, and Twain define the essence of the American experience.

302 Modern American Writers 4 s.h.

Critical examination of major writers, poets, and dramatists who explore the changing values and concerns of American society in the period between the Civil War and World War II.

321 Contemporary Literature 4 s.h.

Consideration of the major humanistic issues portrayed in British and American literature since the rise of Modernism.

355 Women in Literature 4 s.h.

Study of representative prose and poetry by and about women which focuses on their search for independence and fulfillment.

363 Literary Quests 4 s.h.

Examination of a variety of literary works which pertain to selected value-oriented themes: discovery of the self; protest and outrage; science and technology; search for order.

375 Media in America (JRN*) 4 s.h.

386 Ethnic Studies in Literature 4 s.h.

Exploration of how novelists, poets, and dramatists representing various ethnic and racial groups portray universal issues of human worth and personal identity.

421 Time and Literature (HIS) 4 s.h.

Interdisciplinary analysis of a particular period, event, or personality in terms of the human dilemmas and choices which are confronted.

FIRE PROTECTION AND OCCUPATIONAL SAFETY (FPOS)

(FPS) is now titled
"OCCUPATIONAL SAFETY AND HEALTH, AND FIRE SCIENCE" (OSH/FS)

FRENCH (FRE)

Major: 30 s.h. beyond elementary level.
Some courses to be taken on consortial arrangement.

Minor: 20 s.h. beyond elementary level.

101, 102 Elementary Programmed French I, II 4, 4 s.h.

Individual laboratory work in French involving the use of specially designed texts and tapes. Intended for learning French privately with occasional tutorial guidance. At least one hour of language laboratory drill required daily.

223, 224 Intermediate French I, II 4, 4 s.h.

Review of grammar essentials. Further development of audio-lingual skills with emphasis on reading materials for its linguistic, literary and cultural values. Laboratory practice. Prerequisite: FRE 102 or two years of secondary school French.

311 Oral and Written Composition 4 s.h.

Applied advanced grammar with practice in original composition. Em-

phasis on developing skill in employing natural, everyday expressions in speaking and writing correct, idiomatic French. Prerequisite: FRE 224.

322, 323 French Culture and Civilization I, II 4, 4 s.h.

Study of selected aspects of the geographical, historical, social and cultural backgrounds of France for a better understanding of its civilization. Prerequisite: FRE 224.

357 French Literature I 4 s.h.

Selected texts from outstanding authors representing the chief periods of French literature from its beginning to the eighteenth century. Prerequisite: FRE 224.

358 French Literature II 4 s.h.

Study of major literary trends and representative authors in the nineteenth and twentieth centuries. Prerequisite: FRE 224.

362 French Linguistics 4 s.h.

Phonetics, diction and advanced oral interpretation. Theory and practice of modern French pronunciation, intonation and rhythm. Interpretative readings. Intensive laboratory practice. Prerequisite: FRE 224.

492 Foreign Study in France 4-16 s.h.

Study abroad may be arranged during any calendar term with any approved institute of learning, including the Alliance Francaise, Paris.

GEOGRAPHY (GEO)

301 World Regional Geography 4 s.h.

Regional study of the earth realms; cultural and physical factors affecting man; effect of the demographic and industrial revolutions on the world.

GERONTOLOGY (GER)

Major: (B.A.) 36 s.h. (30 s.h. Core courses: 107, 307, 314, 315, 330, 415, 476 and 6 s.h. Supportive courses.)

(A.A.) 30 s.h. Core courses: 107, 307, 314, 315, 330, 415, 476.

(Certificate of Achievement) 30 s.h. Core courses: 107, 307, 314, 315, 330, 415, 476 and ENG 101.

Minor: 20 s.h. GER 107 required. Recommended Social Work Minor: 20 s.h.: SW 221, 232, 233, 234; SW 453 or PSY 316.

The interdisciplinary program in Gerontology is both theoretical and practical. It is designed to foster wholesome attitudes toward aging. Students can prepare for a number of careers in Gerontology through a planned program of studies in social, psychological and biological aspects of aging complemented by field experience.

107 Introduction to Gerontology (SOC) 4 s.h.

Overview of study of Gerontology, a brief description of biological, psychological, and social changes the elderly may experience.

210 Physical Education Activities (PED) 2 s.h.

Study of concepts and effects of physical education and recreation activities for older adults.

219 Multidisciplinary Perspectives on Aging 2 s.h.

Multidisciplinary approach to study of aging; an opportunity for students from various professional areas to acquire an understanding of and sensitivity toward the elderly through workshop participation.

222 Nursing Care of the Aged (SOC) 2 s.h.

Study of: basic nursing skills for care of the aged at home; physiological changes common in aging; and coping mechanisms to help the elderly maintain independent living.

225 Community Resources (SOC) 4 s.h.

Analysis of service delivery systems to elderly within communities and an examination of current and potential resources and programs.

242 Nutrition for the Aging (HEF) 2 s.h.

Practical problems of meeting nutritional needs of older adults considering economic, physical and psychological changes that occur with age. Study of agencies and programs concerned with meal delivery systems for the elderly.

252 Pre-Retirement Education (SOC) 2 s.h.

Designed to familiarize students with implications of retirement for the older adult. Topics covered will include: housing, transportation, health and safety, legal affairs, income, and meaningful use of leisure time.

301 Art for the Aging (ART) 4 s.h.

Discussion, demonstration and application of art principles in a workshop manner. Designed to help students develop, coordinate, plan and direct the artistic and creative interests of the elderly. Opportunity to present a well-developed project in a Senior Activity Center.

307 Psychology of Aging (PSY/SOC) 4 s.h.

Overview of psychology of aging; study of personality; adjustments common in process of aging; examination

of cognitive and emotional development as a function of aging.

314 Educational Gerontology (SOC) 4 s.h.

Focus on potential of the aged; exploring attitudes and stereotypes regarding learning potential of the older adult; emphasis on need for educating persons of all ages about process of aging.

315 Physical Aspects of Aging (NSC/SOC) 4 s.h.

Study of physiology of aging with special emphasis on chronic illness among the elderly and major causes of death. (For Gerontology/Social Work majors: fulfills science requirements.)

318 Teaching Gerontological Concepts 2 s.h.

Presentation of biological, psychological and sociological perspectives of aging; an opportunity to develop objectives in teaching of gerontological concepts through active workshop participation.

330 Seminar on Aging (SOC) 4 s.h.

Lectures by practitioners in field of Gerontology on such topics as: physiology, psychology, and sociology of aging; nutritional, spiritual, physical, and mental health of the elderly; income status; death and dying; and social service programs.

415 Social Gerontology (SOC) 4 s.h.

Introduction of demographic, cultural, economic, psychological, and political aspects of growing old; discussion of impact of aging upon individual and society; awareness of socio-economic problems of the elderly. Prerequisite: GER 107.

476, 477 Field Experience and Seminar I, II (SW) 6, 6 s.h.

Professionally supervised practical experience with organizations providing services to the elderly. Selected reading and case studies complement lecture and group discussions. (477 for Co-operative Education students only) Prerequisite: GER 107.

HISTORY (HIS)

Major: 30 s.h., including 108 or 315, 341, 453, 463, 471.

Minor: 20 s.h., including 108 or 315, 453, 463.

101 World Problems (PSC) 4 s.h.

Analysis of the most significant contemporary world issues confronting the international community of nations and citizens of United States.

108 Ancient World 4 s.h.

Culture and history of lands of antiquity. Emphasis on the political, socio-economic and religious origins of Western civilization.

231 United States to 1900 4 s.h.

Political, social, economic and cultural development of the United States; emphasis on the colonial period, the Civil War, and the rise of America to world power.

315 Medieval and Renaissance Europe 4 s.h.

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

322 Race Relations in American Life (SOC*) 4 s.h.

330 Early Modern Europe 4 s.h.

Political, intellectual, social and economic developments in Europe from the Age of Discovery to the Napoleonic Wars. Interaction between capitalism and religion, the Reformation, the scientific revolution, the fulfillment and collapse of absolute monarchies. The impact of the American and French Revolutions and the emergence of the Industrial World.

333 Modern Europe, 1789-present 4 s.h.

Political, social, intellectual and economic developments from the French Revolution to Europe's present problems and future prospects.

341 Minority Groups In America 4 s.h.

Conflict between the revolutionary ideals of the American dream and the reality of majority-minority group relations from colonial America to the present.

421 Time and Literature (ENG*) 4 s.h.

432 Diplomatic History of the United States 4 s.h.

Influence of foreign policy on past and present life of the United States; emphasis on the nation as a world power, taking into account the viewpoints of the international community of nations.

451 Economic and Business History (BUS/ECN) 4 s.h.

Survey of major changes in the American economy since the middle of the nineteenth century, including transportation, industry, labor, finance and

marketing. Role of private business and government in economic change.

453 United States in the Twentieth Century 4 s.h.

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

463 Emerging Nations (PSC) 4 s.h.

Patterns of political, social, religious and economic development of the emerging nations of Asia, Africa and Latin America. Special characteristics of countries beginning their independent nationhood.

471 History and Social Science Seminar 4 s.h.

Theoretical and philosophical foundations of history and the social sciences, including a paper or project reflecting methodological skills.

480 Foreign Study League (HUM) 3 s.h.

Foreign travel study program. Travel to major European cities with an emphasis on comparative studies of government, history and culture of the people.

HOME ECONOMICS AND FAMILY LIFE (HEF)

Areas of specialization:

Majors: Child Care and Guidance: 36 s.h.

Dietetic Technology: 30 s.h.
Plan IV (ADA): required: 225, 226, 325, 326, 346, 425, 446; required support courses: BIO 224, 326; BUS 236; CHM 201, 271, 401; ECN 372 or 373; EDU 312; MTH 105, MTH 106 or 111.

Food and Nutrition: 30 s.h. including all major courses listed above and some adjustment in support courses listed above.

Home Economics: 30 s.h. including 427, 491 and required supportive courses: BUS 200, 236, 302, 305, 360.

Home Economics and Family Life: 36 s.h. including HEF 427, 471, 491.

Minor: Home Economics and Family Life Group: 24 s.h.

Secondary Vocational Certification and Occupational Authorization:

Consumer and Homemaking
Child Care and Guidance
Clothing Management
Home Furnishing
Institution and
Home Management

CHILD CARE AND GUIDANCE PROGRAM

The Child Care and Guidance Program prepares staff for nursery school and day care centers and for teaching in vocational centers in accordance with the regulations of the Department of Social Services and the State Department of Education (Vocational) following the career ladder with the one year program Certificate of Achievement, the two-year Associate Degree and the four year Bachelor of Science degree. The Bachelor degree program prepares the students for teaching, staff and/or administrative positions in child care programs; or teaching both in pre-school and/or elementary or secondary schools. The professional education sequence is required for certification.

STUDENTS WHO ARE WORKING IN CHILD CARE CENTERS AND INTERESTED IN RECEIVING CREDIT BY EVALUATION WILL BE REQUIRED TO MEET THE SPECIFICATIONS OF THE HOME ECONOMICS AND FAMILY LIFE DEPARTMENT.

Madonna College is affiliated with the Child Development Association Consortium. A child care worker can earn a Child Development Associate (CDA) credential by demonstrating competency in 6 areas. These competencies can be evaluated to a maximum of 30 s.h. applicable toward the Associate and Bachelor degrees. Students must personally begin CDA credential process by writing: The CDA Consortium, 500 Southern Building 805 - 15th Street N.W., Washington, D.C. 20005.

STATE BOARD OF EDUCATION ADOPTS POLICY ON TEACHING EXPERIENCE IN *CHILD CARE CENTERS*. On October 6, 1976, the State Board of Education adopted a recommendation which authorized the application of teaching experience in a licensed child care center toward the experience requirements for a continuing certificate. The newly adopted recommendation is specified in a September 23, 1976 memorandum to the State Board of Education from John W. Porter, Superintendent of Public Instruction: "... teaching experience acquired in a licensed, private *Child Care Center* may apply towards the experience requirements for a Continuing certificate under the provisions of Certification Code Rules 32 (1) (a) and 33 (2) (a) provided that the Michigan teacher education institution which 'plans' the candidate's required 18 or 30 semester hour program of additional credits become the 'sponsoring institution' for such Continuing certificate. The 'sponsoring institution' shall determine that the private *Child*

Care Center is duly licensed under the provisions of Act 116, P.A. 1973, that the experience is under appropriate supervision and is successful."

DIETETIC TECHNOLOGY

The four year Bachelor degree program in Food and Nutrition Services prepares students for careers in food service systems management and/or nutritional care of individuals and groups. The program meets the criteria established by the profession for General Dietetics (Plan IV) and it prepares students for whichever post-degree clinical experience best suits their individual needs/preferences prior to the membership in the American Dietetic Association as professional dietitians.

The two year Associate degree program in Food and Nutrition Services prepares students to work directly under dietitians and food service managers in the administrative or educational aspects of group feeding or nutritional counseling. Those who complete the program by 1980 are eligible to apply for A.D.A. membership as dietetic technicians, but job opportunities are not limited to persons with that title.

Consultation with the program Director is required prior to admission or registration.

HOME ECONOMICS AND FAMILY LIFE

Students prepare for careers in Home Economics and in related professions with concern for individual and family development. The curriculum offers courses in areas of Home Economics and Family Life, expanding and applying the sociological, psychological, scientific, economic and humanistic content on which the field is based.

108 Textiles 3 s.h.

Basic principles and recent developments in textile products. Chemical and physical properties of fibers, yarns, fabric structures and finishes related to fabric care. Lecture 1 hour, laboratory 2 hours.

113 Health Problems (NSC*) 4 s.h.

201 Creative Art and Music Experience (EDU) 4 s.h.

Basic elements of art and music with guidelines for creative expression based on developmental needs of young children. Lecture 3 hours, laboratory 2 hours.

208 Creative Play and Movement Education (EDU/PED/MUS) 4 s.h.

Principles of body awareness, space and qualities of movement in relation to self-expression and creative imagination of the child; selection of activities appropriate for children with special problems. Lecture 3 hours, laboratory 2 hours.

210 Survey of Child Care Centers (EDU) 4 s.h.

Child care delivery systems and innovative programs; observations in child care facilities.

216 Child Development and Guidance (PSY/SOC) 4 s.h.

Examines the growth and behavior of a child from the prenatal stage through early childhood as well as guidance techniques for each stage of development.

225 Nutrition (NSC) 4 s.h.

Study of nutrients in foods and their involvement in the function of human body systems. Problems in meeting personal, family, national and world nutritional needs. Educational

and assistance programs available. Prerequisite: BIO 224.

226 Introductory Foods 4 s.h.

Principles and procedures of food selection and preparation based on the factors that cause variation in quality. Laboratory experience in the preparation of selected food products and the service of family-size meals. Lecture 3 hours, laboratory 3 hours.

236 Clothing Selection and Construction 4 s.h.

Selection and construction of clothing. Application of color and design principles to wardrobe planning. Lecture 2 hours, laboratory 4 hours.

238 Child Nutrition 2 s.h.

Study of normal growth patterns from conception to adulthood and the principles involved in meeting maternal, infant, child, adolescent nutritional needs at home or in agencies concerned with child care or education.

242 Nutrition for the Aging (GER) 2 s.h.

Practical problems of meeting nutritional needs of older adults considering economic, physical and psychological changes that occur with age. Study of agencies and programs concerned with meal delivery systems for the elderly.

246 Meal Management 2 s.h.

Economic, aesthetic and managerial aspects of menu planning. Consumer problems in the purchase, use and care of food, kitchen equipment and table appointments.

258 Child Development Curriculum (PSY) 4 s.h.

Emphasizes techniques in analysis, development, evaluation or instructional materials for curriculum

in a practicum setting. Lecture 3 hours, laboratory 2 hours.

272, 273, 274 Child Care Practicum and Seminar (PSY/SOC) 2, 2, 2 s.h.
Planning, observation and supervised experience in a child care center. Lecture 1 hour, laboratory by arrangement.

305 Consumerism (BUS*) 3 s.h.

310 Language Development in Early Childhood (EDU/SED/PSY) 4 s.h.
Presents theories and development of child's language from birth through early childhood. Includes experiences that facilitate language while considering social, emotional, intellectual, and physical development.

316 Administration of Child Care Centers (SOC) 4 s.h.
Basic processes of administration including planning, organizing, supervising, assembling resources, accounting and specific administrative skills required by a child care center administrator. Prerequisite: Experience in child care.

325 Diet Therapy 3 s.h.
Physiological basis for modification of the normal diet as a preventive measure or therapeutic aid in certain diseases and disorders of the body. Prerequisite: CHM 203 or 401, HEF 225. Lecture.

326 Advanced Foods 2 s.h.
Principles involved in foods: quality, spoilage, preservation and food-borne diseases. Managerial and manipulative techniques involved in formal demonstrations for teaching or promotional work. Prerequisite: CHM 271,

HEF 226. Lecture 1 hour, laboratory 3 hours.

335 Advanced Clothing and Tailoring 4 s.h.
Detailed construction procedures; the principles of tailoring; working with novelty fabric, suede, leather and fur. Lecture 2 hours, laboratory 4 hours.

338 Methods in Nutrition Education 2 s.h.
Specialized approach to teaching nutrition principles to children of various age levels and to adults of various personal or professional interests. Development of instructional aids and teaching units. Prerequisite: HEF 225, 340.

340 Human Growth and Development I (PSY*/SOC) 4 s.h.

346 Food Service Management I 3 s.h.
Purchasing standards, buying procedures, storage principles and factors affecting quality, efficiency and economy in quality food production and service. Laboratory experience in use and care of institutional equipment and preparation of standard food products in quantity. Lecture 2 hours, laboratory 3 hours. Prerequisite: 226, BUS 236.

350 Psychology of the Exceptional Child (PSY*/EDU/SED) 4 s.h.

353 Marriage and the Family (RST*/SOC) 4 s.h.

360 Personal Money Management (BUS*) 3 s.h.

363 Housing and Interior Design 4 s.h.
Basic principles of design and color related to house interiors and ex-

teriors; emphasis on planning, selecting, and furnishing homes in terms of individual and family needs.

425 Advanced Nutrition 2 s.h.

Biochemical principles involved in the metabolism of specific nutrients. Problems in applying this knowledge to particular topics in nutrition. Prerequisite: CHM 271, 401, BIO 224, HEF 225.

427 Home Management 4 s.h.

Management of human and material resources in the family with emphasis on use of time, money and energy. Standards of living related to family concerns, values and goals. Laboratory experience includes family situations and that of the home management house. Prerequisite: HEF 225, 226, 246, 305 and 353. Laboratory by arrangement.

438 Community Nutrition 2 s.h.

Social, economic and political aspects of public health in relation to food and nutrition. Problems and programs affecting vulnerable groups such as the poor, the aged, the handicapped, pregnant teenagers, infants. Prerequisite: HEF 225.

446 Food Service Management II 3 s.h.

Principles of management applied to food service systems; physical facilities planning; sanitation and safety standards; organization and leadership; personnel management and cost control. Prerequisite: 226, BUS 236.

471 Seminar 2 s.h.

Directed reading and discussions concerning professionalism, the roles and concerns of professionals in the field, professional organizations, career preparation. Prerequisite: Approval of Advisor.

491 Practicum/Co-Op 1-4 s.h.

Supervised work experience in a professional situation related to the student's area of specialization. Prerequisite: Approval of adviser. Recommended for graduation.

HUMANITIES (HUM)

105 The Medium and the Message 4 s.h.

Interdisciplinary introduction to art, history, music, and literature in terms of their respective means of communication and their potential to express spiritual, humanistic, and aesthetic concepts.

261 Prophets, Priests and Kings (RST*) 4 s.h.

262 The New Covenant (RST*) 4 s.h.

267 Epistle of St. Paul (RST*) 4 s.h.

305 The Idea of Justice (RST*) 4 s.h.

Interdisciplinary study of various concepts of justice as developed and applied in a variety of historical and contemporary situations.

320 Theology of Man (RST*) 4 s.h.

333 Introduction to Christianity (RST*) 4 s.h.

340 Christology (RST*) 4 s.h.

407 Moral Principles and Modern Moral Problems (RST*) 4 s.h.

410 Conscience and Values (RST*) 4 s.h.

412 Death and Dying (RST*) 2-4 s.h.

422 Christian Awareness (RST*)	4 s.h.
445 World Religions (RST*)	4 s.h.
480 Foreign Study League (HIS*)	3 s.h.

American Sign Language (ASL):
Minor: 20 s.h. required: 119, 221, 222,
 223, 228, 321, 323, 381.

Certificate of Achievement:
 20 s.h. required: 119, 221, 222, 223,
 228, 321, 323, 381.

INTERPRETATION AND TOTAL COMMUNICATION (ITC)

The Interpretation and Total Communication (ITC) program leads to a Madonna College Certificate of Achievement, or an Associate or Bachelor of Arts Degree with a major in Interpreting, and prepares students as proficient interpreter/translators and/or communication facilitators for communication with deaf persons.

The ITC Program follows the guidelines and recommendations of the Registry of Interpreters for the Deaf (RID), the State organization of the Michigan Registry of Interpreters for the Deaf (MIRID), the National Interpreter Training Consortium (NITC), the National Association of the Deaf (NAD), and the Sign Instructors Guidance Network (S.I.G.N.).

Requirements are as follows:

Interpretation:

Major: (B.A.) 36-40 s.h. required: 119, 221, 222, 223, 228, 313, 321, 323, 326, 366, 381, 466, 476, 477 and a minimum of 4 one semester hour workshops.

Major: (A.A.) 30 s.h. required: 119, 221, 222, 223, 228, 321, 323, 326, 366, 381, 467, 476.

ADMISSION TO THE ITC MAJOR

Students must complete a departmental interview with ITC faculty and/or staff prior to enrolling in interpreting courses. Satisfactory completion of written tests, expressive and receptive sign language skills with recommendation from the student's advisor will determine admittance to the ITC program.

RATIONALE: Demonstrated competency in American Sign Language and English is recognized as a minimal requirement to begin developing fluency in interpretation of sign language and English.

119 Introduction to Manual Communication 2 s.h.

Instruction of selected ASL vocabulary, fingerspelling, and a survey of deafness and hearing impairment. Topics include related terminology and discussion of socio-educational trends in the field of deafness and manual communication. Emphasis is on manually coded English (MCE).

221 Manual Communication: ASL I (SPH/SED) 3 s.h.

Introduction of American Sign Language as used by the American deaf society. Study of selected linguistic principles of ASL, sign recognition, expressive signing, and receptive skills. Prerequisite: ITC 119 or ITC 119 concurrently.

- 222 Intermediate Sign Language: ASL II (SPH/SED) 3 s.h.**
 Emphasis on increasing vocabulary and speed of ASL usage. Study of rudimentary linguistic differences among sign language systems. Development of greater fluency in expressive and receptive ASL, including fingerspelling and non-verbal communication. Prerequisite: ITC 221.
- 223 Orientation to Deafness and ASL Theory 2 s.h.**
 Identification of individual and social attitudes to deafness and ASL. Consideration of the theoretical basis for American Sign Language. Analysis of various communication systems, languages, language development, and their relationships to ASL.
- 228 Fingerspelling (SED) 1 s.h.**
 Concentrated instruction in practice of fingerspelling, essential to manual communication. Emphasis on the receptive aspect of this visual representation of English.
- 313 Psycho-Social Aspects of Deafness 2 s.h.**
 Considers the effects of prelingual and postlingual deafness or hearing impairment on the psychological and emotional development and the adaptation of the individual to deafness.
- 321 Advanced Sign Language: ASL III 3 s.h.**
 Focus on ASL and English meanings with emphasis on ASL principles. Review of various sign language systems, including their linguistic differences. Includes discussion and demonstration of manual codes of English. Prerequisite: ITC 222.
- 323 Receptive Sign Language 3 s.h.**
 Emphasis on reception of ASL and MCE concepts and translating/interpreting such concepts into appropriate American English equivalents. Presentation of manually coded English and ASL to provide various sign style experiences. Prerequisite: ITC 321.
- 326 Introduction to Interpreting 3 s.h.**
 Survey of basic theories, guidelines, principles and practice of interpreting with deaf persons in general and specialized settings. Define responsibilities of the interpreter, interpreting process, physical factors and language variations in interpreting. Role playing and interaction with deaf students and adults in simulated experiences in the legal, medical, religious, vocational, educational, mental health, deaf/blind, artistic and related situations. Prerequisite: ITC 381.
- 348 Linguistics for Sign Language Teachers 2 s.h.**
 Application of principles of psycholinguistics and linguistics in evaluating languages and in developing patterns of approaches for hearing impaired persons. Instruction in grammar and/or normal language development. Emphasis is on new techniques for evaluating language and using pattern approaches for language development.
- 366 Directed Observation 2 s.h.**
 Study of guidelines for interpreting and of the Code of Ethics of the Registry of Interpreters for the Deaf (RID). Observation of the interpreting process in various settings and use of interpreting skills in practical applications with deaf persons, under supervision of experienced interpreters. Three hours of weekly seminar with certified interpreters and deaf persons. A minimum of 30 hours required in interpreting situations; 40-50 hours preferred. Prerequisite: ITC 326.

381 Advanced Techniques of Manual Communication 3 s.h.

Instruction in manual communication and interpreting for deaf persons, individually and in groups. Techniques in simultaneous methods of communication in presentation and reception through the use of speech, speech-reading, audition, manual signs, finger-spelling and non-verbal gestures. Prerequisite: ITC 321.

427 Sign English and Interpreting In the Educational Setting (SED) 3 s.h.

Techniques for interpreting in educational settings with emphasis on manually coded English. Supervised laboratory experiences either on or off campus, in actual and simulated situations. Discussion of problems encountered by deaf students in the learning situation. Thirty hours of laboratory practicum required.

446 Methods in Teaching Manual Communication (EDU/SED) 4 s.h.

Study of various philosophies and methodologies of instruction of manually coded English and American Sign Language. Discussion and research of teaching materials and various curriculums.

466, 476 Interpreting Practicum I, II 2, 2 s.h.

Emphasis on reverse interpreting, oral interpreting, deaf/blind interpreting, interpreting for non-verbal persons and ethics of interpreting. A minimum of 2 hours weekly seminar and 45-50 interpreting hours per term. Interpreting in classes of deaf students and within the community where services are needed. Prerequisite: ITC 366.

477 Reverse Interpreting 3 s.h.

Study of principles and problems of interpreting manual, oral and written

communications of deaf persons into spoken or written English equivalents. Speakers provide situational practice and role playing as part of the course practicum in social, legal, vocational, religious, medical, and related settings. Prerequisite: ITC 366.

ITC Workshops and Seminars 1 s.h.

Workshops or seminars include topics related to sign language and interpreting. Majors are encouraged to enroll in a minimum of 4 workshops.

JOURNALISM AND PUBLIC RELATIONS

Major: 30 s.h., including 121, 132, 286, 313, 357, 475. 16 s.h., supportive courses in Art and Business.

Minor: 20 s.h., including 121, 132, 286, and 357.

121 Introduction to Commercial Art (ART*) 4 s.h.

132 Newspaper Reporting (ENG) 4 s.h.

Organization of the modern newspaper, news values and news sources; structure of the news story; practical training in gathering and writing typical news stories. Lecture 3 hours, laboratory 2 hours on campus publication.

268 Commercial Art Experiences (ART*) 4 s.h.

286 Editorial Writing and Feature Writing 4 s.h.

Study and writing of newspaper features, principles and ethics of editorial judgement; the means of persuasion; nature, structure, and function of the editorial: editorial page layout and content; writing of editorial

articles. Lecture 3 hours, laboratory 2 hours on campus publication. Prerequisite: JRN 132 or departmental approval.

307 Communication and Promotion (BUS*) 4 s.h.

313 Photography I (ART) 4 s.h.

Basic black and white photography; principles of light, lenses and film; processing and darkroom techniques; participation in all phases of photograph production from initial composition to finished print.

314 Photography II (ART) 4 s.h.

Creative techniques, film processing, composition, printmaking. Emphasis on visualization and creative techniques. Prerequisite: JRN 313 or permission of instructor.

351 Television Production Techniques I (SPH) 4 s.h.

Production and use of closed circuit television; use of basic production techniques and equipment including video tape, microphones, cameras and lighting. Emphasis on production of programs for educational and industrial use.

352 Television Production Techniques II (SPH) 4 s.h.

Emphasis on program producing and directing, camera and microphone techniques, staging and lighting, videotaping, editing and special effects. Prerequisite: JRN 351.

357 Editing and Copyreading 4 s.h.

Principles of editing, headline writing, page make-up, use of pictures. Lecture 3 hours, laboratory 2 hours on campus publication. Prerequisite: JRN 132 or departmental approval.

360 Advertising Design (ART*) 4 s.h.

375 Media in America (ENG) 4 s.h.

Role and responsibility of the media as reflectors and molders of American values, attitudes, and opinions; impact of news media on government and social change; function of language in the media and in popular culture.

425 Advanced Problems in Commercial Art (ART*) 4 s.h.

475 Journalism/Public Relations Practicum/Co-op 4-12 s.h.

On-campus or on-the-job experience in publications, publicity, or promotion work. One or more cooperative education experiences may substitute for the practicum. Prerequisite: JRN 132, 286, 357.

LATIN (LAT)

Minor: Minimum of 20 s.h. beyond elementary level.

(Courses as listed in this Bulletin will be offered if there is sufficient enrollment. Courses are also available through the Consortium.)

101, 102 Elementary Latin 3, 3 s.h.

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

103 Cicero and Composition 3 s.h.

Selected orations of Cicero; special uses of cases and modes, practice in composition. Prerequisite: LAT 102 or 2 units of high school Latin.

201 Vergil 3 s.h.

Selections from Aeneid, Book 1 to 6; syntax of Latin poetry; metrical

reading. Prerequisite: 3 units of high school Latin.

211, 212, Latin Writing 2-3, 2-3 s.h.

Practice and skill in writing by study of prose selections from representative Latin writers.

241 Horace 3 s.h.

Odes and Epodes: reading and interpretation; influence of Horace on English literature.

301 Letters of Cicero and Pliny 3 s.h.

Development of epistolary art: reading of selected letters of Cicero and Pliny. Influence on the letter as form in English literature.

323 The Epic 3 s.h.

Development of epic: art and structure of epic and its influence on epic in English literature. Prerequisite: 201.

353 Medieval Latin Literature 3 s.h.

Selections from authors of Patristic Age to Renaissance; comparison of stylistic features.

PRE-LAW

Law schools do not prescribe particular curricula for admission. Madonna College, therefore, approaches the preparation for law on an individual basis, tailoring the program of each student to individual needs and desires. Thus, students may major in English, political science, history or other liberal arts.

LEARNING DISABILITIES

(Courses listed under Education and Special Education).

LEGAL ASSISTANT AND LEGAL ADMINISTRATOR (LAW)

The Legal Assistant/Administrator program allows legal secretaries, legal assistants, and others seeking career preparation as legal professionals to earn an Associate degree, a Bachelor degree, or a post-baccalaureate certificate.

Major: (A.S.) Legal Assistant 30 s.h. in LAW, including 100, 101 and 471.

Major: (B.S.) Legal Assistant 36 s.h. in LAW, including 100, 101, 121, 357 and 471.

Major: (B.S.) Legal Administrator 36 s.h. in LAW, including 100, 101, 121, 357, 471, and a minor in Business Administration.

Post-baccalaureate Certificate: Legal Assistant: Same as Bachelor of Science — Legal Assistant.

Post-baccalaureate Certificate: Legal Administrator: Same as Bachelor of Science — Legal Administrator.

100 Legal Assistant Orientation 3 s.h.

Introduction to the various roles of the legal assistant in the legal system with an emphasis upon functions, ethics and skill, legal terminology, the court system.

101 Legal Research and Procedures 3 s.h.

Introduction to the law library and the use of legal references; the techniques of legal research.

121 Legal Writing and Analysis 3 s.h.

Legal writing as advocacy. Introduction to writing and analysis of letters, instruments (contract, deed, will, bond, lease), pleadings (complaints, answer), memoranda, briefs.

201 Investigative Techniques 3 s.h.

Collection, organization and use of facts, sources of evidence and leads, access to records, evaluation to testimony and physical evidence, interviewing.

222 Domestic Relations 3 s.h.

Law of children, including adoption, child abuse, custody, paternity and juvenile delinquency. Divorce law, including interviewing, determination of jurisdiction and grounds, counseling investigation; drafting, serving and filing of legal papers.

235 Real Estate 3 s.h.

Interviewing and data collection, title work, mortgage work, taxation, drafting of purchase and sale agreements, closing, liability insurance.

241 Contractual and Commercial Relations 3 s.h.

Sales transactions, the Uniform Commercial Code, banking transactions, consumer law, analysis of standard commercial contracts.

257 Litigation 3 s.h.

Pre-trial, trial, appeal, and enforcement/compliance procedures for civil and criminal cases, through courts and administrative agencies. Data collection and analysis; calendar control and scheduling; organization and coordination of exhibits; drafting of interrogatories, replies and pleadings.

286 Individual Taxation (BUS) 3 s.h.

Maintenance of tax records; drafting tax returns; maintenance of tax law library; procedures and developments in the areas of individual income tax.

345 Business Associations 3 s.h.

Pre-incorporation and incorporation procedures, directors' meetings, stockholders' meetings, public sale of securities, foreign jurisdictions, amending Articles of Incorporation and by-laws, partnership agreements and dissolution.

357 Law Office Economics and Management 3 s.h.

Supervision, personnel, types of legal practice, governance, finances, equipment and facilities, timekeeping, billing, administrative reports, document control.

386 Probate Estates 3 s.h.

Probate administration, Michigan Probate Code, Estate planning. Gift taxes. Decedent's estates, including determination of assets, federal and state death returns, fiduciary income tax returns, tax implications, transfer of securities, closing documents.

433 Advocacy 3 s.h.

Informal advocacy with administrative agencies. Formal advocacy at administrative hearings, including preliminary procedures, rules of procedure and evidence, examination of witnesses, cross-examination, objections, closing the hearing and preparing for an appeal.

461 Corporate Taxation (BUS) 4 s.h.

Maintenance of corporate tax records, basic tax research, drafting returns for business entities, procedures and developments in the area of cor-

porate income tax. Prerequisite: BUS 202.

471 Legal Seminar and Practicum/Co-op 4-6 s.h.

In-service training, demonstration of professional legal skills in an employment situation, self-assessment, evaluation of personal and program curriculum, strategy for continuing legal education. Position arranged by student with approval of instructor.

MATHEMATICS (MTH)

Major: 30 s.h. including MTH 247, 251, 252, 325, 351 and MTH 330 or 341, two or more co-ops are highly recommended for graduation.

B.S.: 30 s.h. in Computer Science including MTH 251, 252, 325, 400, two or more co-ops are highly recommended.

Minor: 20 s.h. including 251, 252; Computer Science: 20 s.h. including MTH 247.

100 Developmental Mathematics 2 s.h.

Emphasis on developing computational skills with whole numbers, common and decimal fractions. **Does not apply toward a major or minor.**

101 Introductory Mathematics 3 s.h.

Properties of whole numbers; operations with fractions, decimal fractions, integers; ratio and proportion; percent; measurement; graphs; operations with algebraic expressions; solving equations; identifying properties of geometric figures; using metric measures. **Does not apply toward a major or minor.**

105, 106 Technical Mathematics I, II: Applied Algebra and Trigonometry 3, 3 s.h.

Solving linear equations and inequalities, fractional expressions and equations, quadratic equations, radicals, logarithms, formulas, coordinate system and graphs, measurement of plane and solid figures, scale drawings, numerical trigonometry, trigonometry of oblique triangles. Prerequisite: MTH 101 or one year of high school algebra, **Does not apply toward a major or a minor.**

111 Algebra with Trigonometry 3 s.h.

Properties of real and complex numbers; linear and quadratic functions, equations and inequalities; exponents and logarithms; graphs of trigonometric functions and inverses identities; Law of Sines and Cosines; product and sum formulas; trigonometric equations. Prerequisite: Two years of high school algebra or MTH 105 and MTH 106.

238 Principles of Computer Science (BUS) 4 s.h.

Study of uses and capability of computers and peripheral hardware, terminology, flow charting techniques, procedures and ethics of data storage and retrieval. Study of basic statistical terms and procedures. Interpretation of basic statistical computations performed by computer.

243 Principles of Mathematics 4 s.h.

Emphasizes diagnostic teaching in mathematics instruction; strategies and instruments for evaluating strengths and weaknesses in the cognitive and affective areas; operations of addition, subtraction, multiplication and division of whole numbers; primes and composites; fractions and decimals; measurement using metric system;

topology; non-metric, metric, and transformational geometry; statistics and probability. **Does not apply toward a major and a minor.** Required of all elementary school teachers.

**245 Program Design:
RPG II (BUS*)** 4 s.h.

**246 Program Design:
BASIC (BUS*)** 2 s.h.

**247 Program Design:
FORTRAN IV (BUS*)** 4 s.h.

**251, 252 Calculus with Analytic
Geometry I, II** 4, 4 s.h.
Limits of functions; derivative and applications; definite integral; conic sections; exponential and logarithmic functions; transcendental functions; indeterminate forms, improper integrals, Taylor's Formula, infinite series. Prerequisite: MTH 111 or departmental approval.

**325 Introduction to Statistics and
Research (SOC/PSY)** 4 s.h.
Basic statistical terms, use of statistical tables, statistical procedures in the literature with hypothesis testing procedure; research designs; reading and analyzing statistically oriented research reports.

330 Modern Algebra 3 s.h.
Study of groups, rings, integral domains and fields; development of the rational, real and complex number fields. Prerequisite: MTH 252.

341 Linear Algebra 3 s.h.
Elementary theory of polynomials, vector spaces; systems of linear equations, determinants, linear transformations and matrices. Prerequisite: MTH 252.

**345 Advanced Computer Science
(BUS*)** 4 s.h.

**351 Calculus with Analytical
Geometry III** 4 s.h.

Plane curves and polar coordinates; vectors and analytic geometry in three dimensions; vector valued function; partial differentiation; multiple integrals; topics in vector calculus; differential equations. Prerequisite: MTH 252.

400 Statistics (SOC/PSY) 4 s.h.

Frequency distributions; averages; measures of variation; probability and binomial distribution; normal distribution; correlation; prediction in relation to correlation; sampling; estimation; tests of significance; analysis of frequencies; analysis of variance; multiple comparisons; analysis of covariance; errors of measurements. Prerequisite: MTH 325 or departmental approval.

451 Real Analysis 3 s.h.

The foundations of calculus; properties of the real number system which are related to the theory of limits and continuity. Prerequisite: MTH 351.

**465 Foundations of College
Geometry** 3 s.h.

Points, lines and planes; separations, curves and surfaces; congruence, measures, parallelism and similarity; non-Euclidean geometries. Prerequisite: MTH 252.

MEDICAL TECHNOLOGY (MTE)

Medical technologists assist physicians to provide specialized care to patients by carrying out a variety of laboratory tests for purposes of diagnosis.

Medical Technology is a competitive field; medical technology students will be recommended for admission to a hospital school if their achievement in all science courses is at least a 2.75 grade point average.

Students interested in medical technology earn a Bachelor of Science degree (120 s.h.) with a major in Biology-Chemistry, Biology, Chemistry, or Natural Sciences, and after graduation serve a year internship.

Students are eligible after internship to take the examination administered by the Board of Registry of the American Society of Clinical Pathologists and, upon passing, qualify as registered medical technologists.

101 Introduction to Medical Technology 2 s.h.

General introduction to the clinical laboratory. Practice of basic laboratory techniques including specimen collection, record keeping, preparation of media and reagents; hospital organization and fundamentals of medical ethics.

301, 302 Human Clinical Pathology I, II (CHM) 4, 4 s.h.

Clinical theory and techniques in hematology, coagulation, blood banking, serology, clinical microscopy and chemical pathology, urinalysis, blood, chemistry and continuous flow analysis. Lecture 3 hours, laboratory 3 hours.

**PRE-MEDICINE/
PRE-DENTISTRY**

Students preparing for medical or dental school follow the program in biology, chemistry or biology-chemistry. However, a student may major

in any program whose free-electives allow completion of the following basic courses in science and mathematics:

Chemistry	12-16 s.h.
Physics	8 s.h.
Biology	8 s.h.
Mathematics	8 s.h.

Member institutions of the Association of American Medical Colleges specify these courses as minimum preparation for admission. Most, however, recommend additional courses. Students are therefore advised to become familiar with the exact requirements of the school(s) to which application will be made.

MUSIC (MUS)

Major: Music or Music Education: 44-52 s.h. including 111, 112, 211, 307, 333, 401, 403, 421, 451; 32 s.h. of applied music and a *senior recital required of vocal and instrumental performance majors*. Music Education has additional requirement of 20-24 s.h. in teacher education.

Minor: 24-30 s.h. including 111, 112, 333; 12 s.h. of applied music.

Written approval of instructor prior to registration required for all vocal, instrumental and theory courses.

102 Music Through the Ages 4 s.h.

Introduction to music designed especially for the non-musician to increase understanding and enjoyment of music through intelligent listening habits. Includes musical literature together with life and thought during major historical eras; contemporary composers and new trends.

- 105, 106 Piano for the Adult 2, 2 s.h.**
Basic course with emphasis on fundamental keyboard technique and musicianship. Credit not applicable to Piano majors.
- 108.1 - 108.8 Chorale 1, 1 s.h.**
Study and performance of sacred and secular choral literature; development of a discriminatory taste in music through experience in actual participation.
- 109 Voice Class I 2 s.h.**
Practical approach to fundamentals of good singing technique: support, vowel formation, concepts of resonance. Emphasis is on establishment of good vocal habits and exercises for development of the singing and speaking voice.
- 110 Voice Class II 2 s.h.**
Continuation of Voice Class I.
- 111, 112 Theory I, II 4, 4 s.h.**
Aural, visual and written approach to musicianship: sight-singing, melodic and harmonic dictation; four-part writing: triads, sevenths, modulation. Laboratory 1 hour.
- 113, 114, 122, 123, 233, 234, 323, 324, 353 Piano 2 s.h. each**
Study of keyboard theory, techniques and repertoire designed to meet needs of individual students.
- 117, 121, 241, 242, 341, 342, 441, 442 Flute/Woodwinds 2 s.h. each**
- 124, 125, 224, 225, 314, 315, 414, 415 Violin/String 2 s.h. each**
- 128, 129, 228, 229, 328, 329, 428, 429 Harp 2 s.h. each**
- 132, 133, 231, 232, 363, 364, 463, 464 Brass 2 s.h. each**
- 203 Musical Experiences for Disabled Child (EDU*/SED) 2 s.h.**
- 208 Creative Play and Movement (HEF*/PED/EDU) 4 s.h.**
- 211, 307 Theory III, IV 4, 4 s.h.**
Advanced sight singing and dictation; four-part writing; non-harmonic tones, chromatic harmony, modulation, twentieth-century practices. Laboratory 1 hour.
- 217, 218 Voice 2, 2 s.h.**
Voice placement; vocalization for tone production, intonation, breath control, relaxation, resonance, vowel formation and study of the consonants; simple songs with English diction suitable to acquired technique; introduction to the Art Song; Italian Art Song; selected arias.
- 255, 256, 355, 356, 465, 466 Voice 2 s.h. each**
Continuation of 217, 218; more advanced repertoire.
- 333 History of Music 4 s.h.**
Development of music from pre-Christian beginnings to the present with emphasis on musical form, style, literature, and composers.
- 354 Piano Pedagogy 2 s.h.**
Theory and practice of piano teaching; basic technique in all stages of development; sight-reading, rhythm, ear training, memorizing, pedal, hand technique; teaching materials.

372.1 — 372.8 Orchestra/Band 2 s.h. each
By audition, rehearsal, membership and performance in the Oakway Symphony.

401 Music Literature 2 s.h.
Survey of vocal and instrumental composition from all periods, with emphasis on form and style.

403 Form and Analysis 2 s.h.
Structural elements of musical composition as applied to form, from the simple song forms to the sonata-allegro form; harmonic and structural analysis of representative works; study of the score.

421 Instrumental Techniques 2 s.h.
Group study of the four families of instruments in the orchestra; technical differences, capabilities, peculiarities, range, embouchure.

451 Conducting and Performance Techniques 2 s.h.
Integrated course with emphasis on baton technique, score reading, and arranging. Lecture 1 hour. Laboratory 2 hours.

NATURAL SCIENCE (NSC)

Major: 36 s.h. with a minimum of 16 s.h. including at least two upper division courses in one area and 8 s.h. in one or more of the physical or biological sciences or mathematics. Science 303 and 325 may be included.

Minor: 24 s.h. with 8 s.h. in two or more of the physical or biological sciences or mathematics.

111 Man's Scientific World 4 s.h.
Description of the nature and behavior of man in his physical world. Integration of selected concepts of chemistry, earth science, physics, computer science and metrics (for education majors). Lecture 3 hours, laboratory 3 hours.

112 Environmental Problems 4 s.h.
Principles of basic ecology related to environmental problems of pollution, population control, pesticides, land resources, radiation, environmental management and energy management.

113 Health Problems (HEF) 4 s.h.
Biological approach to health and disease in man. Study of drugs, smoking, alcohol, venereal disease, sex education, nutrition and heredity.

225 Nutrition (HEF*) 4 s.h.

303 Oceans: Our Continuing Frontier 4 s.h.
Introduction to the whole range of human involvement with the sea — emphasizing awareness of and possible solutions to technological problems inherent in exploring the sea. Interdisciplinary course designed for non-science majors.

315 Physical Aspects of Aging (GER*) 4 s.h.

325 The Ascent of Man 3 s.h.
Based on the TV series by Bronowski, presents interrelationships of science and humanities throughout history. Discussion of role of science and technology on the course of human events. (For non-science majors.)

333 Pharmacology (EMT*) 2 s.h.

NURSING (NUR)

Madonna College offers a Bachelor of Science in Nursing degree for both beginning college students and Registered Nurses from the associate degree and diploma programs. This program has been accredited since 1970 by the National League for Nursing.

I. ADMISSION REQUIREMENTS

Students' records are evaluated individually.

Of the one hundred pre-nursing freshmen, only sixty students with the strongest credentials will be admitted to sophomore level nursing.

A. PRE-NURSING FRESHMEN

(Basic Students):

1. High school transcripts with at least "C" level achievement in a year of Chemistry, Biology and Math/Algebra.
2. Minimum 2.5 grade point average in college preparatory courses.
3. American College Testing (ACT) scores indicating strong potential to succeed in program.
4. Candidates should be in the top 1/3 of their high school class.
5. \$15.00 non-refundable application fee sent with application for admission to the College. After acceptance, a non-refundable \$50.00 reservation fee that is applied toward tuition costs.

B. DEGREE COMPLETION STUDENTS

(Registered Nurses)

1. Official transcripts from colleges or institutions attended while qualifying for State Board licensure in nursing (R.N.), and collegiate work pursued subsequently.
2. Photocopy of current Michigan Nursing license.

3. Resume of professional experience.
4. Two professional letters of reference; one, from the current supervisor.
5. Written statement of purpose for pursuing further study.

II. ADMISSION TO THE NURSING MAJOR:

A. BASIC STUDENTS

1. Completion of the freshman year with a minimum of 2.5 grade point average. (Minimum of 2.0 grade point average must be achieved in required sciences.)
2. Satisfactory performance on the National League for Nursing Achievement Test in Anatomy-Physiology and Chemistry.
3. Registration for Nursing 200, Introduction to Nursing Process.
4. Good physical condition adequate to meet professional performance standards and attested to by a Physician or Master Nurse Clinician.
5. Proficiency in communication skills.
6. Evidence of personal integrity, emotional stability, social competence and a positive attitude. The College reserves the right to request students' withdrawal from the program or nursing course because of unsatisfactory performance in the theory or practical phases of the program and/or for inappropriate behavior.

B. DEGREE COMPLETION STUDENTS

(Registered Nurses)

- Registered Nurses are admitted directly to the Nursing Major; in addition they follow these stages:
1. Completion of freshman and

sophomore requirements through:

- a. Validation by testing of past education and of professional experiences, and/or
 - b. Transfer of equivalent credits from other colleges and/or
 - c. Pursuit of prerequisite course work at Madonna College. Nursing 200 is required of all Registered Nurses before any clinical challenges are attempted.
2. Completion of:
- a. Challenging examinations of junior level nursing both written and clinical, or the pursuit of those courses, after prerequisite NUR 310 has been completed, and
 - b. Required concurrent upper division science.
3. Begins after:
- a. Accumulation of 88 semester hours, including the successfully completed or challenged nursing courses.
 - b. Registered Nurses may then register for the required senior level nursing offerings.

III. PROGRAM REQUIREMENTS: (120 Credits to Graduate)

The conceptual framework that gives cohesion to the nursing curriculum is: Health needs of man interface with the functions of nursing; the nursing process intersects the spheres relating client to nurse. Eight implementing themes are vertically threaded throughout the sequence of courses comprising a family centered Episodic-Distributive Nursing Curriculum: 1. Professionalism; 2. Holistic Man; 3. Health-Illness Continuum; 4. Interpersonal Relations; 5. Growth; 6. Crises In-

tervention; 7. Agents of Change; 8. Health Delivery System.

Nursing courses are presented in competency-based learning modules requiring weekly mastery. Semester credit is earned in ten week sequences and contact time is computed accordingly. A laboratory credit equates to 3-4 clinical hours depending on course objectives.

1. Required General Education courses:

Humanities: Philosophy and RST 407

Natural Sciences: CHM 201, 203; BIO 243, 244, 326, 360, 371.

Social Sciences: PSY 241-341, SOC 101.

2. Required nursing courses:

Freshman year; Term III: NUR 200
Sophomore year: NUR 210, 295, 296
Junior year: NUR 310, 347, 365, 366
Senior year: NUR 410, 430, 462, 485.

200 Introduction to Nursing Process 3 s.h.

An overview of professional nursing including its history, current issues and legal aspects. Introduction to the basic methodology of nursing explaining the four steps in the nursing process and offering major theoretical constructs for the use in assessment of client needs, promotion of skills in interpersonal relationships, the teaching/learning process, care planning, developing a nursing diagnosis as well as objectives or expected patient behaviors.

210 Fundamentals of Family Centered Nursing 5 s.h.

Application of the nursing process to situations where family members are experiencing a need for hospitalization.

Major emphasis is on gaining knowledge of and experience in implementing appropriate nursing interventions, evaluating them and modifying them when necessary. Prerequisite: NUR 200. Concurrent: BIO 326.

295 Nursing Care of the Emerging Family 5 s.h.

The normal phenomenon of parenting is presented to provide theory and practice in maternal-newborn nursing and to gain increased competency in utilizing the nursing process to meet the needs of the expanding family. Prerequisite: NUR 210.

296 Family Centered Nursing 5 s.h.

With the family as the focal point, the content deals with health promotion, growth and development and other pertinent aspects of the child-rearing epoch in the life cycle. Correlated home and clinical experiences will show the impact illness has on the child and the family and how use of nursing methodology can assist in meeting the primary, secondary and tertiary health needs of the family, in particular its most youthful members. Prerequisite: NUR 210.

310 Nursing Intervention Crisis Core 1 s.h.

Lays the foundation for junior level Episodic Nursing and the care of clients experiencing psychophysiological trauma. Crisis theory is introduced within the framework of the nursing process, and problem-solving through application of crisis methodology is required. Prerequisite: NUR 200 level courses.

347 Episodic Nursing I 4 s.h.

Designed to introduce nursing care of the family man who is experiencing episodes of crises in relating effectively, coping with life, and/or adapting to his environment. The growth

concept is emphasized when Maslow's and Erikson's humanistic theories become the frame of reference for nursing assessment and planned interventions. Prerequisite: NUR 310. Concurrent: BIO 371.

365 Episodic Nursing II 6 s.h.

Applies the nursing process with clients undergoing acute biological stress episodes that relate to homeostatic mechanisms and oxygen transport; identifies the family's and client's psychobiological adaptations to illness, using that assessment for professional decision making. Prerequisite: NUR 310 and/or concurrently BIO 371.

366 Episodic Nursing III 7 s.h.

Applies the nursing process to clients with increasingly complex nursing problems related to cellular nutrition, neurohormonal regulations, and skeletal continuity; interventions to meet the learning needs of the client and family in order to promote a return to homeostasis is emphasized. Prerequisite: NUR 310, 365.

410 Introduction to Distributive Nursing 1 s.h.

Principles of group dynamics, inter personal relationships; nursing process; quality assurance; teaching-learning process; health promotion and disease prevention to be applied throughout the senior year in community and hospital settings. Prerequisite: NUR 300 level courses.

430 Distributive Nursing I 5 s.h.

Principles of organizational theory and nursing delivery systems; appreciation of nursing research; leadership styles; professional responsibility and career planning. The hospital setting provides practice in leading a team and studying both personnel and organizations. Prerequisite: NUR 410.

462 Distributive Nursing II 5 s.h.

Community Nursing in its expanding role as applied in family health clinics with observations in schools and industry. Principles of community organization; national and local health needs; nursing trends and issues; role of family in health, and management of chronic illness are the content areas. A major teaching project in the community emphasizes the importance of prevention in control of illness. Prerequisite: NUR 410. Concurrent: BIO 360.

485 Distributive Nursing III 4 s.h.

The community is the client. Each student completes a Community Study focusing on health needs and resources and develops a plan to solve one's health need. The student services clients and families in Health Departments and Visiting Nurse Associations. Class content includes community mental health, nursing as a profession, change theory and community assessment process. Prerequisite: NUR 410, 430, BIO 360.

IV. CURRICULUM MODIFICATIONS

A. To accommodate part-time degree completion students who were unable to complete the generalist curriculum before its phase out in academic year 1977-1978, the following consideration will be made:

Registered Nurses who have attained senior status by Fall 1978, i.e. have 88 cumulative hours and have successfully completed junior level Nursing courses or challenges, may complete their Generalist Curriculum requirements through equivalent courses in the Episodic/Distributive Curriculum. These are:

1. **410 Introduction to Distributive Nursing** (required of all).

2. **430 Distributive Nursing I**

equivalent to

472 Leadership Skills 5 s.h.

Designed to help students develop leadership abilities through focus on: organizational structures, the principles of group dynamics, communication skills, the change agent role, systems of nursing care assessment, and research methodology. Application of these principles and practices to real situations. Prerequisites: 300 Level nursing courses.

3. **462 Distributive Nursing II**

equivalent to

415 Community Health Nursing 5 s.h.

Synthesis of the principles of health promotion and disease prevention applied in a community setting through work with families and as a member of the public health team. Prerequisite: 300 Level Nursing courses.

4. **482 Integrating Seminar 4 s.h.**

In-depth assessment of nursing research and theory in the special areas of Medical-Surgical, Maternal-Child, and Psychiatric Nursing based on student needs and interests in these fields. Prerequisites: 300 level nursing courses. (This offering continues to be required of all R.N. students finishing the Generalist Curriculum and may be taken as an elective by basic students in Episodic/Distributive Curriculum.)

B. All other degree completion students, regardless of their status, will be obligated to pursue Episodic/Distributive Curriculum. Courses already validated at Madonna College by challenge examinations will be

accepted via the equivalency principle.

- C. All students may pursue Independent Studies in Nursing (cf. page 29) and/or nursing electives after counsel with their advisor or department chairperson.

OCCUPATIONAL SAFETY AND HEALTH/FIRE SCIENCE (OSH/FS)

Major in OSH: (B.S.) 30-36 s.h. including OSH 102, 317, 318, 322, 331, 351, 352, 362, 398, 402. Required support courses: MTH 105 or 111; MTH 325; CHM 201, 203; BIO 243, 244; PHY 100, 110.

Minor: 20 s.h.

Major in OSH: (A.S.) 24 s.h. including OSH 102, 318, 322, 331, 352, 362, 398; and support courses, including BIO 243, 244, 224; CHM 201; MTH 111; PHY 100, 110.

Major in Fire Science: 30 s.h.: OSH 115, 215, 268, 269, 351, 395. Required support courses: BUS 200; CHM 101; JRN 313; MTH 235, 245; PHY 100, 110.

Group Major: 36 s.h. in Occupational Safety and Health; and Fire Science; 20-24 s.h. support courses.

Minor: 20 s.h.

- 100 Introduction to Physics I (PHY*)** 3 s.h.
- 101 History and Philosophy of Fire Protection and Prevention** 3 s.h.
Fire protection problems; fire department role and modern practices;

fire hazards, inspection procedures, codes and programs related to fire prevention. (Directed study and exam).

- 102 History of Standards and Regulations** 3 s.h.
History of OSHA/MIOSHA/NFPA: standards, codes and regulations. Rationale for the Williams-Steiger Occupational Safety and Health Act of 1970. Evolution of standards, record keeping, compliance and enforcement.

- 103 Basic Fire Protection Training** 3 s.h.
Credit awarded for evidence of successful completion of a certified training program.

- 110 Introduction to Physics II (PHY*)** 3 s.h.

- 115 Public Fire Protection** 3 s.h.
Principles of organization, supervision, and administration as applied to fire protection and prevention. A study of the techniques utilized in dealing with the human element; organizational aspects of educational and community services; assessment methods used in town grading.

- 215 Building Construction** 3 s.h.
Study of fundamental concepts of building design and construction; site selection, code compliance, architectural plans, incorporation of mechanical and power devices; terminology.

- 217 Advanced First Aid (CJ/EMT*/PED)** 3 s.h.

- 218 Seminar on Drug Abuse and Overdose (CJ*/EMT/PED)** 2 s.h.

- 250 Tactics and Strategy** 3 s.h.
Study and evaluation of various methods and techniques employed in

fire suppression; includes pre-planning and analysis of emergency situations with emphasis on individual decision making, the effective use of equipment, apparatus and manpower.

268 Fire Protection Systems I 3 s.h.

Survey of sprinkler systems covering design details, placement, inspection, and maintenance; practical application of current codes and standards for system utilization.

269 Fire Protection Systems II 3 s.h.

Principles of use and design characteristics of special fire protection systems; halons, CO₂, dry chemical, foam and alarm and detection systems.

302 Field Experiences 1-3 s.h.

Credit awarded individuals for evidence of full-time employment of two or more years in the field(s) of fire protection and/or occupational safety. Documentation of competencies required.

317 Technical Drawing, Drafting and Design 3 s.h.

Basic techniques in free hand drawing, sketching, illustration and lettering; instrument projection; detailing and specifications; blue-print reading and basic photography. Use of structure layouts and design of guards or safety modification. Complementary for investigative, accident and technical reports.

318 Construction Safety 3 s.h.

Study of factors in building structures and in use of tools and materials that cause accidents. Application of regulations and standards of Michigan Department of Labor — Construction Division. Development of safety awareness to prevent or reduce accidents on construction sites.

322 Inspection and Survey of Various Facilities 3 s.h.

Safety and health hazards, both common and unique to various kinds of occupancies; including residential, industrial, and commercial. Includes surveying procedures, hazard recognition and evaluation and the application of appropriate measures to assure maximum life and property safety.

325 Motor Fleet Safety 3 s.h.

Study of major aspects of master fleet operations. Deals with driver selection, training and supervision, defensive driving techniques and attitudes; vehicle safety inspection and maintenance logs, accident-incident reports and analysis. Transport of hazardous materials and knowledge of Department of Transportation regulations as well as intra-inter state and local driver/load laws.

328 Fire and Arson Investigation 3 s.h.

Role of safety/fire science specialist in arson investigation: methods and mechanics of protecting, searching and controlling fire scene; interviewing and interrogation; recognition and preservation of evidence; case preparation, court testimony, corpus delicti, alibis, motives; dealing with pyromaniacs or juvenile fire setters; Michigan and National arson laws. (Departmental permission required).

331 Safety Program Management 3 s.h.

Examination of the organizational concepts of a safety program, with emphasis on corporate safety programs, objectives, responsibilities and implementation; accident control and reports; motivation and incentives.

351 Hazardous Materials 3 s.h.

Identification, storage, handling, disposal, and products of combustion

of hazardous materials, including flammable liquids, explosives, oxidizing and corrosive materials; sources of technical assistance available to aid in making tactical decisions.

352 Industrial Hygiene I 3 s.h.

Familiarization with irritating or toxic substances and various occupational stress factors causing employee discomfort or illness; emphasis on sources and the control of environmental pollution, concepts of industrial hygiene; hazard evaluation and recognition and elimination of related problems.

362 Internship/Co-op I 4 s.h.

Field-placement in municipal, industrial, hospital or similar settings that provide experience in the area of fire protection and/or occupational safety. Laboratory 180 hours.

395 Hydraulics and Water Supply 3 s.h.

Principles of hydraulic theory, grading of water supplies, water supply adequacy testing procedures and computation of velocity friction loss related to tactical decision making.

398 Industrial Hygiene II 3 s.h.

Techniques of Instrumentation and Sampling: Hands-on training in use of instruments to measure and evaluate occupational health hazards by taking samples or surveying noise level, heat exposure, oxygen deficiency, combustible vapors, ventilation, as well as toxicology and radiation sources along with protective measures to cope with hazards for their prevention and control.

402 Internship/Co-op II 4 s.h.

In a progressive situation, students experience advanced semi-professional level assignments in on-the-job application of occupational health

and safety principles in an industrial/commercial/institutional setting. These both complement and reciprocate the classroom lab learning for the benefit of student and participating employer.

405 Fire Protection Survey and Analysis 3 s.h.

Surveying techniques for detection of potential fire or explosive hazards. Evaluation and application of measures to prevent or contain identified fire hazards for protection of human and physical resources.

419 Principles and Techniques of Instruction (EDU*) 2-4 s.h.
(Instructors' Institute)

430 Employee Occupational Health Maintenance and Medical Care Programs 3 s.h.

Orientation of Safety Manager and Occupational Health Nursing/Medical professionals for assessing the health needs of the employee group. Study of drugs, smoking, alcohol, nutritional and substance abuse in relationship to lost time, morale, accident frequency and security. Medical care aspects deal with pre-employment, return to work, and work limitations as well as periodic physical re-examinations; providing administrative and operational guidelines for designing and implementing a health maintenance program as well as emergency and pre-hospital medical care.

442 Principles of Vocational Instruction (EDU*) 4 s.h.

480 Foundations of General and Vocational Education (EDU*) 4 s.h.

Occupational Safety and Health/Fire Science Workshops 1-3 s.h.

Short-term on-campus and off-campus programs on specific topics re-

lated to students' major. For off-campus programs, student makes self application to department chairperson prior to program attendance. Specific additional requirements will be arranged at that time. Subjects may include: Ventilation, Noise, Light; Protective Devices; Disaster Control; Orientation to Industry.

OPERATING ROOM TECHNOLOGY (ORT)

Major: (A. S.): 62-64 s.h.

Operating room technicians are usually employed by the hospital and work in the operating room performing a variety of tasks as members of the surgical team.

The two year program combines theoretical basic courses pursued at the College all five terms, with four terms of hospital training to fully prepare students to serve as operating room technicians.

Students are accepted into the program upon successfully completing 36 s.h. of required courses including CHM 201, 203; ENG 101; MTH 105 or 106; BIO 243, 244; and two ORT practicums: 115 and 116.

Required courses include:

ORT 101 Medical Terminology	2 s.h.
Basic understanding of medical vocabulary and its use.	
ORT 115 Practicum I	2 s.h.
ORT 116 Practicum II	2 s.h.
ORT 202 Theory and Practice I	2 s.h.

ORT 203 Theory and Practice II	2 s.h.
ORT 215 Practicum III	4 s.h.
ORT 216 Practicum IV	4 s.h.

PHILOSOPHY (PHL)

105 Person and Nature 4 s.h.

Reality, its basic structure, principles and meaning; distinction between physics and metaphysics; nature characteristics of material reality, finite nature of the world; treatment of the central issues related to basic considerations, such as knowledge of reality, causality, the problem of human situation in a world of service and technology.

155 Person and Freedom 4 s.h.

A philosophic reflection on human situations to determine more carefully how human beings ought to act. Emphasis on the meaning of such words as freedom, person, love. Development of a realistic meaning to the ethical significance of life.

221 Person and Society 4 s.h.

The nature and meaning of human existence; the psychological and ethical concepts of the person as related to the philosophical notion; man in society (significance of the family, state, law, morality, freedom); reflection on ethical problems and on diverse views of man and the human condition.

320 Aesthetics 4 s.h.

Focus on philosophical theories of beauty and its characteristics; the meaning of aesthetic experience, the capacity of art to communicate truth.

330 Philosophy, Technology, and Human Concern 4 s.h.

Beginning with the situation of human relatedness to the world and society and reexamining the ways of knowing, this course will explore the areas of human identity, individual freedom, social responsibility, and cosmic meaning particularly as revealed in the light of the life sciences, technology and evolutionary cosmology.

440 Readings in Contemporary Philosophy 4 s.h.

Focus on authors who have influenced human thought and the course of history. Special emphasis on systems that are the basis of thinking and morality of the twentieth century.

PHYSICAL EDUCATION (PED)

158, 159 Physical Education for Retirees, Senior Citizens 1-1 s.h.

Emphasis on preventicare with the intent to enhance the lives of the burgeoning older population physically, mentally, and emotionally. Theory and exercises are included. Laboratory 2 hours.

171 Yoga 1 s.h.

Fundamental practice of the art as a form of exercise and mental control.

203.1-203.6 Karate 1 s.h. each

Okinawan Karate stressing self-defense and physical fitness. Laboratory 2 hours.

205, 206 Tennis I, II 1, 1 s.h.

Emphasis on tennis techniques, strategy, rules and play situations. Indoor and outdoor courts are used. Laboratory 2 hours.

208 Creative Play and Movement Education (EDU/HEF*/MUS) 4 s.h.

209 Skiing 1 s.h.

Winter term only. For the first seven Fridays of the semester the class meets at Mount Brighton. Instruction for all levels of skiing. Class 12:00 to 5:00 p.m. Equipment is not necessary.

210 Physical Education Activities (GER*) 2 s.h.

217 Advanced First Aid (CJ/OSH/EMT*) 2 s.h.

218 Seminar of Drug Abuse and Overdose (CJ*/OSH/EMT) 2 s.h.

358 Team Sports 1 s.h.

Life-time activities are presented; included are: tennis, volleyball, softball, football, conditioning, and badminton.

PHYSICS (PHY)

Minor: 20 s.h. on consortial arrangement.

100 Introduction to Physics I (OSH) 3 s.h.

Study of fundamental principles of physics as related to matter and energy; includes mechanics of motion and equilibrium, conservation of momentum and energy, fluids and heat concepts, emphasis is placed on applications to fire service. Lecture 2 hours, laboratory 3 hours.

110 Introduction to Physics II (OSH) 3 s.h.

Basic concepts and their applications to the topics of wave motion and sound, light and optical phenomena, magnetism and electricity. Ap-

plicable to firefighters' profession. Lecture 2 hours, laboratory 3 hours.

120 General Physics I 4 s.h.

Fundamental methods of mechanics, molecular physics, heat and sound. Opportunity for experiments at Argonne National Laboratory near Chicago. Prerequisite: one year of college mathematics. Lecture 3 hours, laboratory 3 hours.

121 General Physics II 4 s.h.

Fundamental methods and principles of magnetism, electricity, optics, light and atomic physics. Opportunity for experiments at Argonne National Laboratory near Chicago. Prerequisite: PHY 120 or departmental approval. Lecture 3 hours, laboratory 3 hours.

210 Fundamental Electronics 4 s.h.

Study of power and energy of A.C. and D.C. circuits; introduction to diodes, transistors, transducers and their applications in circuits and modern instruments. Prerequisite: PHY 121 or departmental approval. Lecture 3 hours, laboratory 3 hours.

POLISH (POL)

Minor: 20 s.h. beyond elementary level.

101, 102 Elementary Polish I, II 4, 4 s.h.

Emphasis on conversation and pronunciation, grammar and the structure of contemporary Polish. One hour of language laboratory drill required daily.

223, 224 Intermediate Polish I, II 4, 4 s.h.

Review of grammar essentials. Further development of audio-lingual skills with emphasis on reading ma-

terial for its linguistic and literary value and for obtaining insight into some aspects of Polish culture. Laboratory practice. Prerequisite: POL 102 or 2 years of secondary school Polish.

322, 323 Polish Culture and Civilization I, II 4, 4 s.h.

Study of significant aspects of the geographical, historical, social and cultural backgrounds of Poland for a better understanding of its civilization. Prerequisite: POL 224.

357 Polish Literature I 4 s.h.

Selected texts from outstanding authors representing the chief periods of Polish literature from its beginning to the eighteenth century. Prerequisite: POL 224.

358 Polish Literature II 4 s.h.

Analytic study of major literary trends and representative authors in the nineteenth and twentieth centuries. Prerequisite: POL 224.

POLITICAL SCIENCE (PSC)

Minor: 20 s.h., including 251.

101 World Problems (HIS*) 4 s.h.

102 Introduction to Criminal Justice (CJ*/SOC) 3 s.h.

201 Criminal Justice Organization and Administration (CJ*/SOC) 3 s.h.

251 American Government 4 s.h.

American political structure to include the organization, power, functions and services of national, state and local government and their interdependence in seeking solutions to

contemporary social, economic and political issues.

301 International Relations 4 s.h.

Future-oriented evaluation of international politics since World War II. Emphasis on conflict resolution, increasing interdependence between states and the possibility of progressing toward a "politics of the planet Earth."

310 Introduction to Public Administration (CJ) 4 s.h.

Governmental structure and administrative organization with special attention to policy formulation, personnel administration, supervision, coordination, administrative control.

321 Comparative Politics 4 s.h.

Contemporary patterns of political processes. General European experience, specific systems of England, France, Germany and the Soviet Union.

351 Law for the Layperson (SOC) 4 s.h.

Fundamental principles of law; legal knowledge in the areas of both criminal and civil law. Consideration of the elements of both fields of jurisprudence to successfully handle ordinary transactions and to appreciate the underlying principles of criminal law.

405 Constitutional Law (CJ)* 3 s.h.

451 State and Local Government 4 s.h.

Analysis of state and local governments, local political forces, trends in metropolitan and suburban politics, problems in planning in an age of urbanization and governmental relations.

463 Emerging Nations (HIS*) 4 s.h.

491, 492 Public Administration

Field Experience I, II 5, 5 s.h.

Professionally supervised practical experience in government or other public-related agencies. Position arranged by student with approval of instructor. Cooperative Education is encouraged.

499 Public Administration

Integrating Seminar 2 s.h.

Integration of the theory gleaned from the several component disciplines as well as the practical knowledge of the field experience. An evaluation of public administration practices and procedures, emphasis on contemporary problems and solutions.

PUBLIC ADMINISTRATION

The Public Administration program is designed for in-service and pre-service administrators and professionals in government and other public related organizations. Combination of classroom work and field experience/internship prepares students on the undergraduate level to become employable on completion of the program.

Major: 44 s.h., including BUS 101, 201, 372; HIS 231, 341, 453; PSC 251, 310, 451, 491, 499; SOC 442, and an area of specialization.

PSYCHOLOGY (PSY)

Major: In process of development 1978-1980

Minor: 20 s.h.

101 General Psychology 4 s.h.

Nature and scope of psychology; perception, learning, motivation, emo-

tions and stress, personality development; conflicts and adjustment.

216 Child Development and Guidance (HEF*/SOC) 4 s.h.

258 Child Development Curriculum (HEF*) 4 s.h.

272, 273, 274 Child Care Practicum and Seminar (HEF*/SOC) 2, 2, 2 s.h.

307 Psychology of Aging (GER*/SOC) 4 s.h.

310 Language Development In Early Childhood (EDU/HEF*/SED) 4 s.h.

313 Adolescent Psychology (EDU) 4 s.h.

Nature of the pre-adolescent and adolescent behavior and its underlying dynamics; systematic study of modern concepts for understanding and dealing with the adolescent and pre-adolescent in our society. Emphasis on normal behavior development as it relates to the physical, emotional, social and intellectual growth of children. Lecture 3 hours, laboratory 2 hours. Prerequisite: PSY 101.

316 Group Dynamics and Discussion Techniques (SPH/SW) 4 s.h.

Forms and methods of group discussion to develop proficiency in communication and leadership.

318 Human Behavior and Leadership (BUS*/CJ/EDU) 2-4 s.h.

319 Human Behavior and Attitudes (BUS*, CJ, EDU) 3 s.h.

320 Psychology of Reading (EDU) 4 s.h.

Application of psychological principles to the reading-learning process: development and demonstration of competencies essential to effective teaching of reading. Lecture 3 hours, laboratory 2 hours. Prerequisite: PSY 101.

325 Introduction to Statistics and Research (MTH*/SOC) 4 s.h.

340 Human Growth and Development (EDU/HEF/SOC) 4 s.h.

Basic concepts and principles of growth, development, maturation, learning and personality; developmental tasks relative to the stage of growth from birth to late childhood; factors conditioning successive stages of development of personality; modes of adjustment.

341 Human Growth and Development II (EDU/HEF/SOC) 4 s.h.

Basic concepts and principles of growth, development, maturation, learning and personality from adolescence to death. Prerequisite: PSY 340.

342 Deviant Behavior (EDU/SOC) 4 s.h.

Nature of abnormal and deviant behavior and its underlying dynamics; systematic study of modern concepts of diagnosis, understanding, treatment and prevention of abnormal behavior patterns. Emphasis on normal behavior development as highlighted by psychopathology. Prerequisite: PSY 101 or equivalent.

350 Psychology of Exceptional Child (EDU/HEF/SED) 4 s.h.

Systematic study of the psychological and educational factors related to exceptional children; mentally retarded, gifted, socially and emotionally maladjusted, physically and neuromuscularly handicapped, sensorially and speech handicapped. Focus on teaching children to achieve at maximum capacity. Prerequisite: PSY 101 or equivalent.

358 Perceptual Learning Disabilities (EDU*/SED) 4 s.h.

367 Social Psychology (SOC*) 4 s.h.

372 Diagnosis and Remedial Techniques in Reading (EDU*/SED) 4 s.h.

400 Statistics (MTH*/SOC) 4 s.h.

401 Psychology of Speech Correction (SPH) 4 s.h.

Speech problems and remedial techniques; articulation defects, stuttering, delayed speech, cleft palate, cerebral palsy and voice disorders.

409, 410 Practicum in Diagnostic and Prescriptive Techniques I, II (EDU*/SED) 2, 2 s.h.

RADIOLOGIC TECHNOLOGY (RTE)

Major: 36 s.h.

Radiology is a science involving medical use of X-rays, radium, and radioactive isotopes in diagnosis and

treatment of disease. A radiologist is a physician specializing in this science; a radiologic technologist is the technical assistant. Radiologic technologists are trained to make radiographic examinations, coordinate technical procedures, assist radiologists with treatments, process X-ray films and do special research.

Madonna College offers two programs in Radiologic Technology: *pre-service* program for students planning to attend an accredited school of radiologic technology and *in-service* program for registered radiologic technologists who have already completed an accredited community college or hospital program.

Pre-Service Program Requirements:

BIO 243, 244, 326, CHM 201, 203; PHY 120, 121 or PHY 121, 210; MTH 105, 106 or MTH 111; RTE 375 plus a minimum of 12 additional semester hours in Business and/or Education. After completing the requirements, the student may be awarded the Associate Degree in Natural Sciences (A.S.). The student will then serve a 24-month internship in an approved hospital program. Upon completion of the hospital program and the National Registry Examination, the student will apply for evaluative credit for the internship experience and thus complete requirements for the Bachelor of Science degree.

In-Service Program:

Certified radiologic technology students from community colleges and those from non-collegiate programs may establish 32 s.h. credits by evaluation or credit transfer and must earn a minimum of 12 semester hours in courses in Business, in Education, or in advanced courses in Radiologic Technology.

Credit in RTE 110, 115, 150, 200, 250, 300 established on the basis of evaluation.

110 Radiography I 5 s.h.

Medical terminology, nursing and protection, darkroom chemistry and techniques.

115 Principles of Radiographic Exposure 5 s.h.

Study of principles of radiographic exposure, factors effecting radiographic quality, with a correlation to X-ray techniques as applied in the radiographic suite.

150 Radiobiology 5 s.h.

Structure and function of the human body; special emphasis on skeletal anatomy with integration of topographic anatomy and radiographic appearance.

200 Radiographic Positioning 5 s.h.

Study and demonstration of standard and special radiographic positioning and topographic anatomy.

250 Radiologic Physics 5 s.h.

Electricity, radiation, production of X-rays and theory of ionizing radiation.

300 Clinical Practicum 7 s.h.

Supervised practical experience in radiographic examination with periodic evaluation of radiographs produced.

Advanced courses in radiologic technology for pre- and in-service personnel include:

260, 390, 460, Independent Studies in Radiologic Technology

1-4 s.h.

375 Allied Health Management (BUS*)

3 s.h.

471 Seminar in Management 2-4 s.h.

Emphasis on department of radiology including budgeting and cost control. Introduction of new equipment with current applications.

RELIGIOUS STUDIES (RST)

Major: 30-52 s.h. Required courses include: RST 261, 262; RST 333 or 445; RST 407 or 410; and RST 470 or 491.

Minor: 20 s.h. Required courses: RST 261, 262 and 407 or 410.

Courses 345, 347 and 470 are designed basically within the Catholic tradition but are not limited to persons of that religious persuasion. All other courses are non-denominational in content and method of presentation.

The Religious Studies program may be pursued on one of three levels, with credits from a lower level applicable to the one above it.

Certificate of Achievement: 30 s.h.

20 s.h. Religious Studies (261, 262, 407 or 410 required.)

10 s.h. Supportive courses.

Associate of Arts: 60 s.h.

30 s.h. Religious Studies (20 s.h. requirement above) 30 s.h. General Educational requirements.

Bachelor of Arts: 120 s.h.

30-52 s.h. Religious Studies (20 s.h. as required above) 46-58 s.h. General Education requirements. 20-30 s.h. Supportive or a Minor elective.

- 261 Prophets, Priests and Kings (HUM) 4 s.h.**
Introduction to the literature, personalities and main religious themes of the Old Testament.
- 262 The New Covenant (HUM) 4 s.h.**
Introduction to the New Testament writings seen as emerging from the historical-cultural circumstances and the diversified situations of the early Christian communities.
- 267 Epistles of St. Paul (HUM) 4 s.h.**
Study of life, works and impact of Paul of Tarsus on the early Christian community as well as on contemporary Christian thought.
- 305 The Idea of Justice (HUM*) 4 s.h.**
- 320 Theology of Man (HUM) 4 s.h.**
Investigation of man's quest for an understanding of God, creation, grace, sin, death, judgment, and eternity.
- 333 Introduction to Christianity (HUM) 4 s.h.**
Survey of the beginnings of Christianity and the development of doctrine and practice from the perspective of contemporary ecumenical theology.
- 340 Christology (HUM) 4 s.h.**
Reflections on the identity of Jesus of Nazareth and the faith proclamations about him as the Christ, the Messiah, the Son of God; based on a contemporary Christological treatment.
- 345 The Church 4 s.h.**
Intensive study of the Church as the pilgrim Christian community and the site of man's encounter with God; the role of the Church in the contemporary world.
- 347 Sacraments and Worship 4 s.h.**
Sacraments as signs of the saving presence of the Risen Lord; the ritual celebration of the faith community; emphasis on the scriptural, historical and pastoral dimensions.
- 353 Marriage and Family (HEF/SOC) 4 s.h.**
Marriage and family from the biblical, theological, economic, psychological and sociological points of view. (Interdisciplinary)
- 407 Moral Principles and Modern Moral Problems (HUM) 4 s.h.**
The basic principles underlying Christian morality and their application to problems encountered in contemporary society.
- 410 Conscience and Values (HUM) 4 s.h.**
Essence, impostors and influences of conscience analyzed from the perspectives of theology, psychology and science.
- 412 Death and Dying (HUM) 2-4 s.h.**
Psychological, theological and faith aspects of death as applied to dying persons and their loved ones.
- 422 Christian Awareness (HUM) 4 s.h.**
A Christocentric view of man in his relationship to God, self and others.
- 445 World Religions (HUM) 4 s.h.**
The major religions of the world; their historical development basic doc-

trines, ritual practices and behavioral codes.

470 Contemporary Catechesis

3-4 s.h.

Current theories and trends in catechesis in the light of recent Church documents; the theological and psychological foundations of the catechetical renewal.

491 Religious Education Practicum

2-8 s.h.

Directed field experience in religious education.

Note: A variety of other religious/moral/catechetical topics are covered in Term III courses and in special institutes and workshops throughout the academic year.

Madonna College, in cooperation with the Detroit Archdiocesan Department of Religious Education and the Detroit Area Consortium of Catholic Colleges, offers college credit in religious education for PHASE courses approved and offered at parishes throughout the Archdiocese. Further, courses in religious studies offered at Madonna College can be applied to one of the four phases:

- I Basic catechetics
- II Scripture
- III Values, morals, Christian formation
- IV Teaching techniques

SOCIAL SCIENCE (SS)

Major: 36 s.h. from no more than three Social Science Departments (minimum of 16 s.h. in upper division courses) including 16 s.h. in core area (minimum of 8 s.h. in upper

division courses) and HIS 471 or an equivalent seminar experience, approved by advisor.

Minor: 24 s.h. with a minimum of 12 s.h. including 4 s.h. in upper division courses in core area.

SOCIAL WORK (SW)

Major: 36 s.h. including 221, 232, 233, 334, 336, 453, SPH 316, 476, 477.

Areas of Specialization:

Gerontology: 20-24 s.h. GER 107, 307, 314, 315, 330, 415.

Child Care: 24 s.h. in HEF 201 or 208, 216, 238, 258, 272, 310, 316.

Social workers help other people with their problems and seek solutions to housing, medical, educational, recreational and cultural deficiencies to improve their clients' quality of life and provide them with the support essential to help themselves.

Students who complete the Associate of Science degree program (2 years) and one year of employment in social work are eligible to apply to the Board of Examiners of Social Workers to become State certified Social Work Technicians. Those who complete the Bachelor of Science degree program (4 years) are eligible to become State certified social workers upon completion of two years of employment in social work or enrollment in a graduate school of social work.

216 Child Development and Guidance (HEF*/PSY) 4 s.h.

221 Social Problems (SOC*) 4 s.h.

232 Social Welfare as an Institution (SOC) 4 s.h.

Developmental and historical approach to social welfare institutions, structure and functions.

233 Interviewing Techniques (CJ/SOC) 4 s.h.

Principles, types and stages of interviewing; developing observational skills and communication ability.

316 Group Dynamics and Discussion Techniques (PSY*/SPH) 4 s.h.

332 Child Welfare (SOC) 4 s.h.

Historical, social and legislative aspects of child welfare programs. Examines current types of problems, treatment and approaches.

334 Introduction to Social Work (SOC) 4 s.h.

Social work practice, including concepts, principles, and functions of social work in today's society. Application of values, knowledge, skills and their interrelatedness to problem-solving process.

336 Social Work Practice (SOC) 4 s.h.

Methods of social work intervention. Study of diagnosis and of social work treatment plans as applied to case examples. The importance of working with people and team-work.

417 Task Centered Casework (SOC) 2 s.h.

Specific, short term, goal oriented form of case-work treatment. Applicable in social work and in dealing with pressing concerns in other areas of human inter-action and responsibility.

453 Group Process in Social Work Settings (SOC) 4 s.h.

Understanding the use of groups and techniques of working with them.

476, 477 Field Experience and Seminar I and II (GER) 6, 6 s.h.

Professionally supervised practical experiences in social agencies, minimum fifteen hours a week plus two hours bi-weekly group discussions, presentation of case material, reports on selected reading.

SOCIOLOGY (SOC)

Major: 30 s.h. including 101, 367, 442, 460.

Minor: 20 s.h. including 101, 221.

Social Science Group Major, Sociology Core: 16 s.h. including 101.

Sociology is the study of social life and consequences of human behavior. Subject matter ranges from the intimate family to hostile mob; from crime to religion; from divisions of race and social class to shared beliefs of a common culture. Sociology is a popular major for students planning futures in professions such as: law, politics, and business. Sociology offers opportunities in a range of research techniques, whether one's concern is crime and criminal justice, personnel, labor relations, client satisfaction in a business firm, provision of medical care, problems of poverty and welfare or administration of federal research grants. Approved practicums and co-ops are encouraged.

- 101 Introduction to Sociology and Cultural Anthropology** 4 s.h.
Foundations and principles of social order, social control, social institutions, and social life in America and other cultures.
- 102 Introduction to Criminal Justice (CJ*/PSC)** 3 s.h.
- 107 Introduction to Gerontology (GER*)** 4 s.h.
- 121 Introduction to Corrections (CJ*)** 3 s.h.
- 201 Criminal Justice Organization and Administration (CJ*/PSC)** 3 s.h.
- 211 Law Enforcement Administration (CJ*)** 3 s.h.
- 216 Child Development and Guidance (HEF*/PSY)** 4 s.h.
- 221 Social Problems (SW)** 4 s.h.
Social and physical disorganization including poverty and unemployment, crime and delinquency, race relations, population.
- 222 Nursing Care of the Aged (GER*)** 2 s.h.
- 225 Community Resources (GER*)** 4 s.h.
- 231 Correctional Justice Organization and Administration (CJ)** 3 s.h.
- 232 Social Welfare as an Institution (SW*)** 4 s.h.
- 233 Interviewing Techniques (CJ/SW*)** 4 s.h.
- 235 Probation and Parole (CJ*)** 3 s.h.
- 252 Pre-Retirement Education (GER*)** 2 s.h.
- 265 Criminal Law (CJ*)** 3 s.h.
- 272, 273, 274 Child Care Practicum and Seminar (HEF*/PSY)** 2, 2, 2 s.h.
- 280, 281 Community Corrections I, II (CJ*)** 3, 3 s.h.
- 305 Criminal Procedure (CJ*)** 3 s.h.
- 307 Psychology of Aging (GER*/PSY)** 4 s.h.
- 314 Educational Gerontology (GER*)** 4 s.h.
- 315 Physical Aspects of Aging (GER*)** 4 s.h.
- 316 Administration of Child Care Centers (HEF*)** 4 s.h.
- 321 Principles of Criminology (CJ*)** 3 s.h.
- 322 Race Relations in American Life (HIS)** 4 s.h.
Survey of historical and contemporary expressions, patterns and consequences of intergroup tensions stemming from racism in American life.
- 323 Juvenile Delinquency (CJ*)** 3 s.h.
- 325 Introduction to Statistics and Research (MATH*/PSY)** 3 s.h.
- 330 Seminar on Aging (GER*)** 4 s.h.
- 332 Child Welfare (SW*)** 4 s.h.
- 334 Introduction of Social Work (SW*)** 4 s.h.

- 336 Social Work Practice (SW*) 4 s.h.
- 340, 341, Human Growth and Development I, II (HEF/PSY*/EDU) 4, 4 s.h.
- 342 Deviant Behavior (EDU/PSY*) 4 s.h.
- 351 Law for the Layperson (PSC*) 4 s.h.
- 353 Marriage and the Family (HEF/RST*) 4 s.h.
- 355 Contemporary Correctional Methods (CJ*) 3 s.h.
- 367 Social Psychology (PSY) 4 s.h.
Problems of social behavior; social aspects of personality in group living. Prerequisite: PSY 101.
- 400 Statistics (MATH*/PSY) 4 s.h.
- 401 Crime Prevention and Police Community Relations (CJ*) 3 s.h.
- 402 Human Relations for Corrections (CJ*) 3 s.h.
- 415 Social Gerontology (GER*) 4 s.h.
- 418 Narcotics Institute (CJ*) 3 s.h.
- 442 Urban Sociology 4 s.h.
Patterns, structures, functions, and problems of urban communities.
- 453 Group Process in Social Work Settings (SW*) 4 s.h.
- 460 Sociology Seminar 4 s.h.
Emphasis on research and development of various fields of soci-

ology in the analysis of social phenomena.

SPANISH (SPA)

Major: 30 s.h. beyond elementary level. Some courses to be taken on consortial arrangement.

Minor: 20 s.h. beyond elementary level.

101, 102 Elementary

Programmed Spanish

I, II 4, 4 s.h.

Individual laboratory work in Spanish involving the use of specially designed texts and tapes. Intended for learning Spanish privately with occasional tutorial guidance. At least one hour of language laboratory drill required daily.

223, 224 Intermediate Spanish

I, II 4, 4 s.h.

Review of grammar essentials. Further development of audio-lingual skills with emphasis on reading material for its linguistic and literary value and for obtaining insight into some aspects of Spanish culture. Laboratory practice. Prerequisite: SPA 102 or 2 years of secondary school Spanish.

311 Oral and Written

Composition 4 s.h.

Applied advanced grammar with practice in original composition. Emphasis on developing skill in employing natural, everyday expressions in speaking and writing correct, idiomatic Spanish. Prerequisite: SPA 224.

322 Spanish Culture and

Civilization 4 s.h.

Study of significant aspects of the geographical, historical, social and cultural backgrounds of Spain for a better understanding of its civilization. Prerequisite: SPA 224.

323 Latin American Culture and Civilization 4 s.h.

Significant aspects of geography, history, social life and culture of Latin American countries for a better understanding of their civilization. Prerequisite: SPA 224.

357 Spanish Literature I 4 s.h.

Selected texts from outstanding authors representing the chief periods of Spanish literature from its beginning to the eighteenth century. Prerequisite: SPA 224.

358 Spanish Literature II 4 s.h.

Study of major literary trends and representative authors in the nineteenth and twentieth centuries. Prerequisite: SPA 224.

362 Spanish Linguistics 4 s.h.

Phonetics, diction and advanced oral interpretation. Theory and practice of modern Spanish pronunciation, intonation and rhythm. Interpretative readings. Intensive laboratory practice. Prerequisite: SPA 224.

492 Foreign Study in Spain/Spanish America 4-16 s.h.

Students elect a program of studies in a Spanish American country or in Spain. Options are open for study during the summer and/or academic year.

SPECIAL EDUCATION (SED)

Some courses in Education and Psychology are indicated as SED (Special Education) for purposes of registration. However, there is no special section in the Bulletin printed separately as Special Education.

SPEECH AND DRAMA (SPH)

Minor: 20 s.h., including 105.

105 Speech Arts and Forms 4 s.h.

Basic forms and methods of the techniques of platform speaking; parliamentary practice, expository speaking and oral interpretation. Emphasis on effective communication of thought.

221 Manual Communication: AMESLAN I (ITC*/SED) 3 s.h.

222 Intermediate Sign Language (ITC*/SED) 3 s.h.

300 Children's Literature and Drama (ENG*) 4 s.h.

316 Group Dynamics and Discussion Techniques (PSY) 4 s.h.

Forms and methods of group discussion to develop proficiency in communication and leadership.

341, 342 Acting Techniques I, II 4, 4 s.h.

Basic forms and methods of expression, including voice projection and diction; development of individual talents in pantomime, improvisation, acting, and oral interpretation. Lecture and laboratory.

351, 352 Television Production Techniques I, II (JRN*) 4, 4 s.h.

401 Psychology of Speech Correction (PSY*) 4 s.h.

415 Film Appreciation 4 s.h.
Examination of those aspects of film that qualify it as an art form worthy of critical attention.

TRADE AND INDUSTRY, ALLIED HEALTH TEACHING CERTIFICATE

Individuals who have worked two years in a particular health field or trade or industry can apply for recommendation by Madonna College to the State Department of Education for a Temporary Vocational Health or Temporary Vocational Technical Teaching Certificate provided they have completed a Bachelor's degree program and have 30 s.h. in the health or trade area. The student must take 12 s.h. of the following courses: EDU 480, 442, 421, and be officially admitted to the College.



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Sister Mary Juliana, B.A., Instructional Media

Sister Mary Paulinette, B.A., Library

Sister Mary Ponciana, M.A., Library

Sister Mary Raymond, M.Ed., Library Assistant

Sister Mary Sybille, B.S.C.E., Library

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NOTES

The FELICIAN SISTERS conduct four colleges:

Felician College
Chicago, Illinois 60659

Felician College
Lodi, New Jersey 07644

Villa Maria College
Buffalo, New York 14225

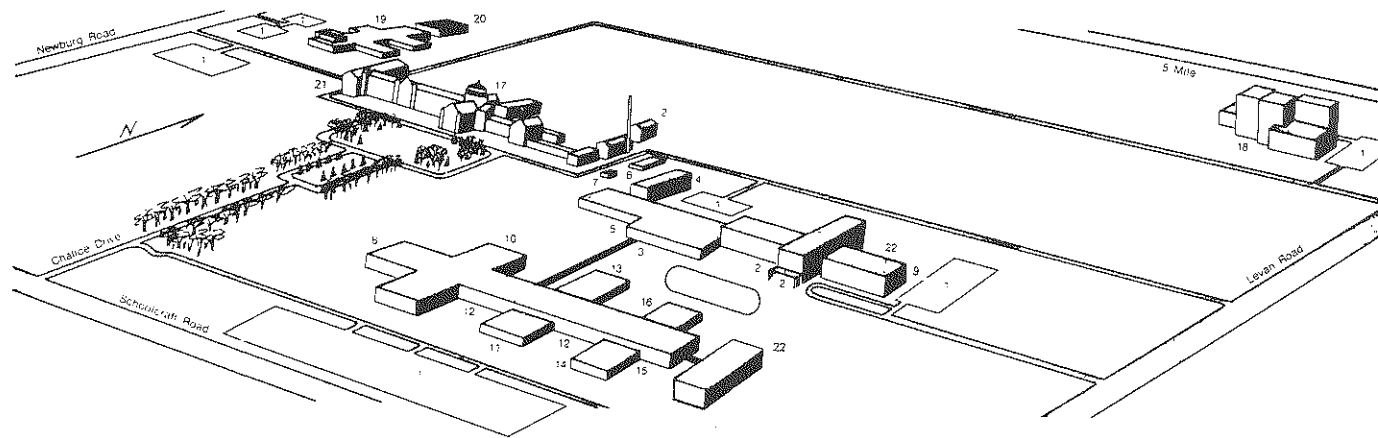
Madonna College
Livonia, Michigan 48150

Each Madonna College student is responsible
for compliance with contents of this Bulletin.

The College reserves the right to withdraw
or modify information listed in this Bulletin.

Madonna College Calendar

TERM I — FALL	1978-1979	1979-1980	1980-1981
Final registration	Aug. 1, 2	Aug. 2, 3	Aug. 4, 5
Faculty conference	Aug. 31, Sept. 1	Aug. 30, 31	Aug. 28-29
Classes begin	Sept. 5	Sept. 4	Sept. 2
Final date: filing graduation intent — Term I ..	Sept. 5	Sept. 4	Sept. 2
Add-drop period	Sept. 5-12	Sept. 4-11	Sept. 2-9
Comprehensive Examinations — Term I	Oct. 21	Oct. 27	Oct. 25
Final date: election S/U grade	Oct. 24	Oct. 23	Oct. 21
Registration: Term II — Winter	Nov. 13-18	Nov. 12-17	Nov. 17-21
Thanksgiving recess	Nov. 23-25	Nov. 22-24	Nov. 27-29
Classes resume	Nov. 27	Nov. 26	Dec. 1
Final date: withdrawal from courses	Dec. 9	Dec. 8	Dec. 6
Final examinations	Dec. 11-16	Dec. 10-15	Dec. 8-13
End of Term I	Dec. 16	Dec. 15	Dec. 13
Grades due	Dec. 20	Dec. 19	Dec. 17
TERM II — WINTER	1978-1979	1979-1980	1980-1981
Final registration	Jan. 3	Jan. 3	Jan. 6
Faculty conference	Jan. 4	Jan. 4	Jan. 8
Classes begin	Jan. 8	Jan. 7	Jan. 12
Final date: filing graduation intent — Term II ..	Jan. 8	Jan. 7	Jan. 12
Add-drop period	Jan. 8-15	Jan. 7-14	Jan. 12-19
Comprehensive examinations — Term II	Jan. 27	Jan. 26	Jan. 31
Final date: election S/U grade	Feb. 26	Feb. 25	Mar. 2
Spring vacation	Mar. 5-9	Mar. 3-7	Mar. 9-13
Classes resume	Mar. 10	Mar. 8	Mar. 14
Registration: Term II — Spring-Summer	Mar. 12-17	Mar. 10-15	Mar. 16-21
Easter recess	Apr. 13, 14	Apr. 4-5	Apr. 17-18
Classes resume	Apr. 16	Apr. 7	Apr. 20
Registration: Term I — Fall	Apr. 16-21	Apr. 7-12	Apr. 6-11
Final date: withdrawal from courses	Apr. 21	Apr. 19	Apr. 25
Final examinations	Apr. 23-28	Apr. 21-26	Apr. 27-May 2
End of Term II	Apr. 28	Apr. 26	May 2
Grades due	May 2	Apr. 30	May 6
Commencement	May 5	May 3	May 9
TERM III — SPRING-SUMMER (MODULAR SCHEDULING)	1978-1979	1979-1980	1980-1981
Registration	Mar. 12-17	Mar. 10-15	Mar. 16-21
Classes begin	May 1	Apr. 29	May 5
Final date: filing graduation intent — Term III ..	May 1	Apr. 29	May 5
Memorial Day Holiday	May 28	May 26	May 25
Classes resume	May 29	May 27	May 26
Comprehensive examinations — Term III	June 2	June 7	June 13
Independence Day Holiday	July 4	July 4	July 6
Classes resume	July 5	July 5	July 6
End of Term III	July 25	July 23	July 25
Grades due	July 28		

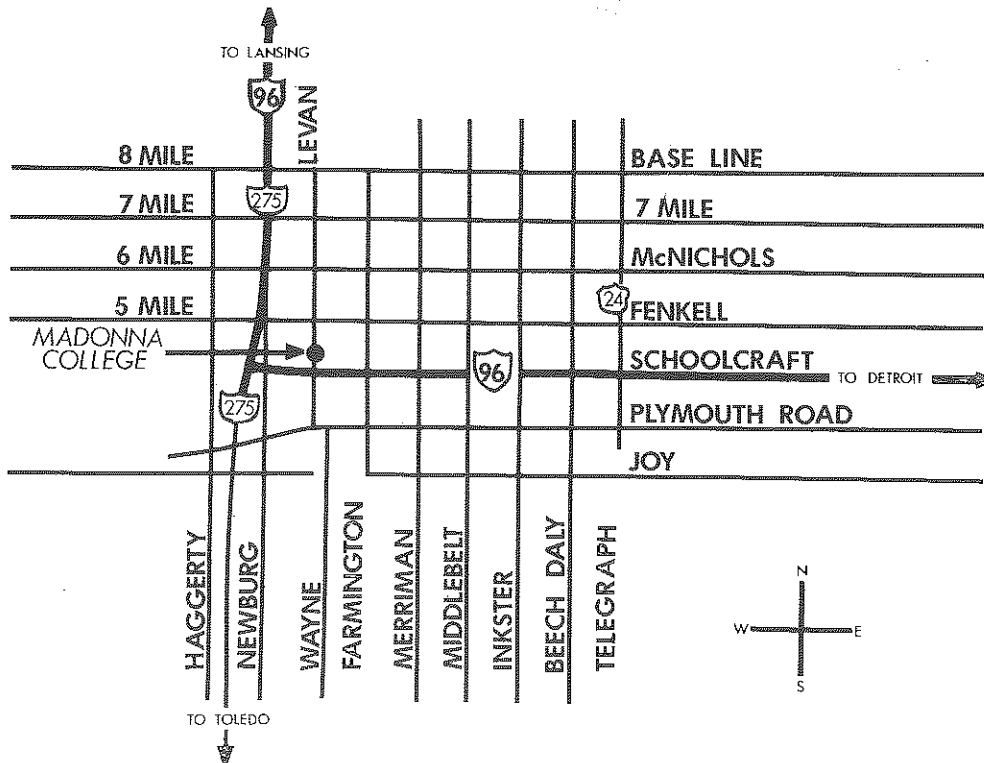


MADONNA COLLEGE CAMPUS MAP

- | | | | |
|---------------------------------|---|--|------------------------------------|
| 1. Parking Lot | 7. Guest House | 12. Classrooms and
Departmental Offices | 17. Felician Sisters Provincialate |
| 2. Residence Halls | 8. Administration | 13. Science | 18. St. Mary Hospital |
| 3. Cafeteria and Student Center | 9. Education and
Psycho-Educational Center | 14. Music | 19. Ladywood High School |
| 4. Faculty Residence | 10. Library | 15. Home Economics | 20. St. Clare Nursing Home |
| 5. Campus Chapel | 11. Science Lecture Hall | 16. Art | 21. Montessori/Nursery |
| 6. Clergy Motel | | | 22. Gymnasium |

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MADONNA COLLEGE IS LOCATED ON 49 SEMI-RURAL ACRES IMMEDIATELY ADJACENT TO I-96, THE JEFFRIES FREEWAY, ONLY ONE MILE FROM ITS INTERSECTION WITH I-275, WITH ACCESS TO TOLEDO, FLINT, LANSING, AND DETROIT. DETROIT'S METROPOLITAN AIRPORT IS 14 MILES AWAY VIA I-275. (EXIT 173, LEVAN OR NEWBURG ROADS.)