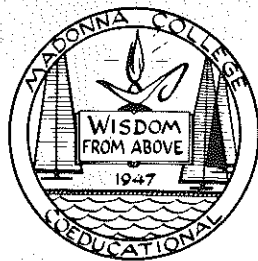


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MADONNA COLLEGE

coeducational

LIVONIA, MICHIGAN



BULLETIN 1976-78

MADONNA COLLEGE BULLETIN

Vol. 24 — 1976-1978

(EFFECTIVE AS OF TERM I — 1976)

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:

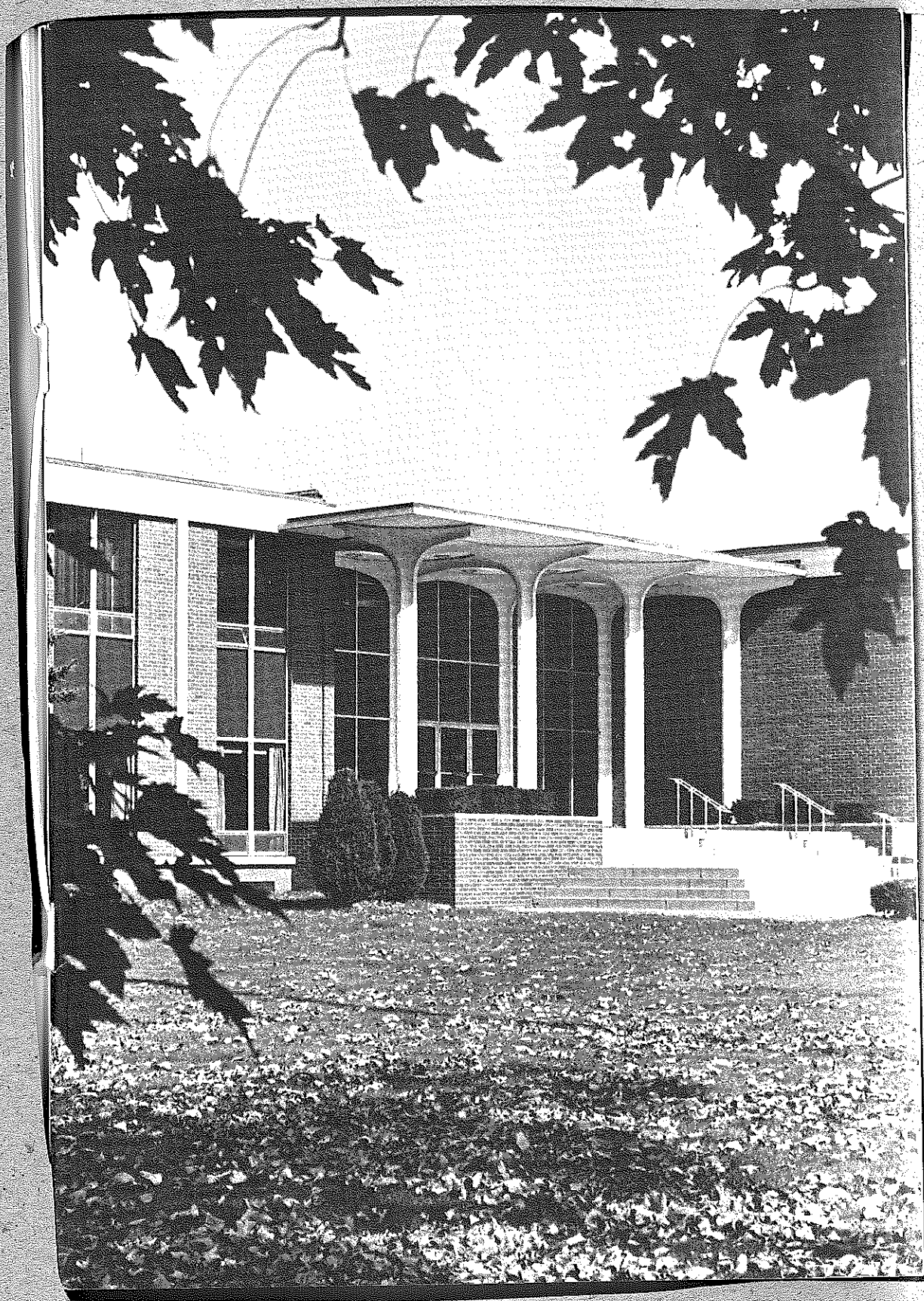
**MADONNA COLLEGE
36600 Schoolcraft
Livonia, Michigan 48150
(313) 425-8000**

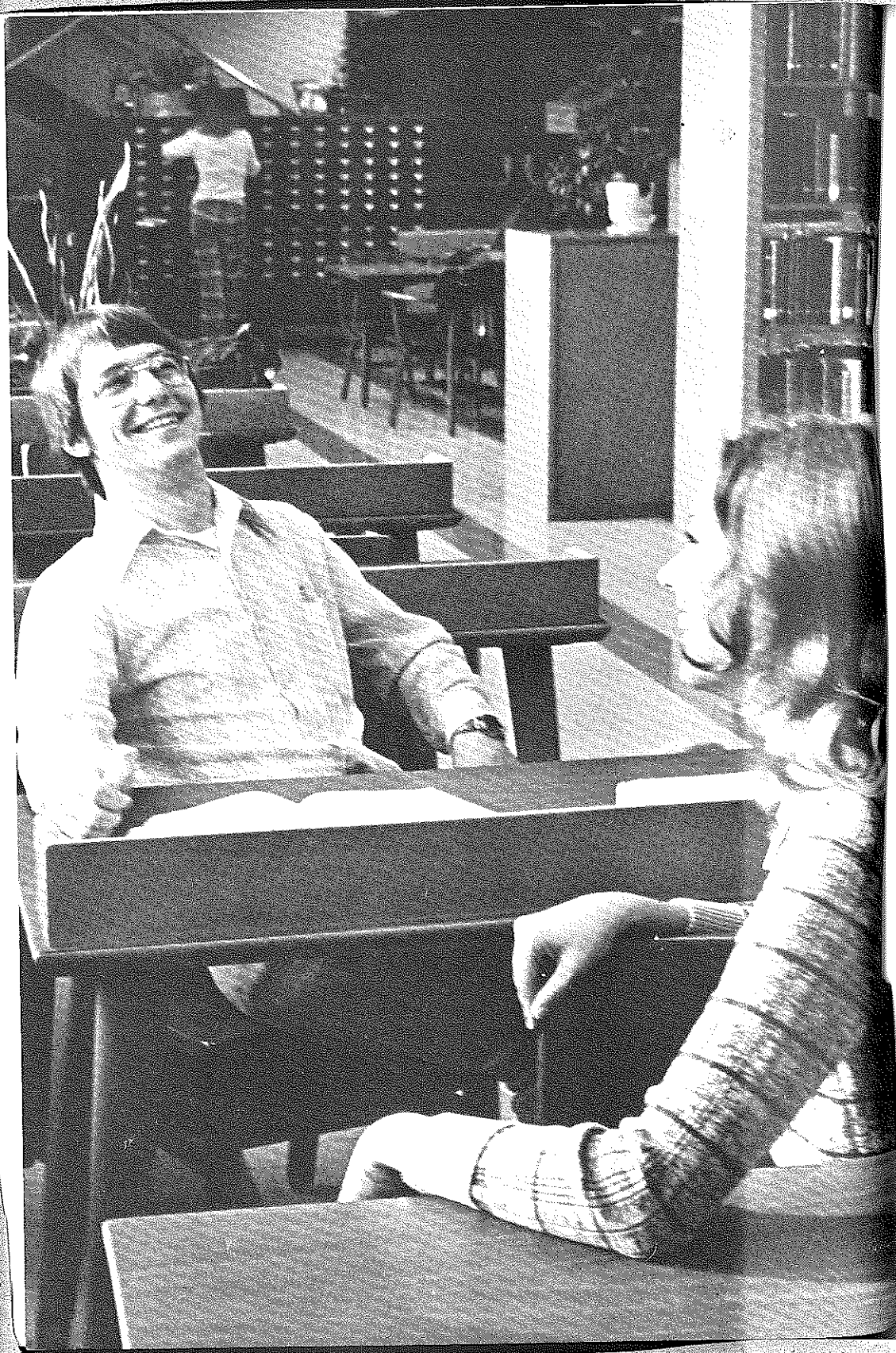
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Each Madonna College student is responsible
for compliance with contents of this Bulletin.

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 Avenue (when construction is completed this will become the Jeffries I-96 Freeway) 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 1964.

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 photocopier, microfilm and microfiche readers, tape and record listening equipment. The library also houses audiovisual materials for all departments. Currently, the College is installing a computer terminal which is to be connected with the Ohio College Library Center in Columbus.

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.

APPROVALS AND ACCREDITATIONS

State of Michigan Board of Education
approval of four-year degrees, 1947
teacher certifications, 1954, 1969
vocational certification and authori-
zation, 1969, 1974
learning disabilities certification, 1974
Michigan Board of Nursing, 1967
North Central Association of Colleges
and Schools, 1959, 1968
National League for Nursing, 1970
National Council for Accreditation of
Teacher Education, 1972
Michigan Department of Public Health:
Advanced Emergency Medical Tech-
nician, 1975

MEMBERSHIPS

American Association of Colleges for
Teacher Education
American Association of Collegiate
Registrars and Admissions Officers
American Association for Higher Ed-
ucation
American Council on Education
American Library Association
American Society of Allied Health
Professions
Association of American Colleges
Association of Governing Boards of
Universities and Colleges

Association of Independent Colleges
and Universities of Michigan
Catholic Library Association
College and University Personnel As-
sociation
Cooperative Assessment of Exper-
iential Learning
Council for the Advancement of Small
Colleges
Detroit Area Consortium of Catholic
Colleges
Livonia Chamber of Commerce
Michigan Academy of Sciences, Arts
and Letters
Michigan Association of Collegiate
Registrars and Admissions Officers
Michigan Colleges Foundation
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 Catholic Educational As-
sociation
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 \$10.00 non-refundable fee. 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 transcript(s) from the college(s) they attended. To permit admission, these should indicate a minimum grade point average of 2.0.
3. Scholastic Aptitude Test (SAT), American College Testing (ACT) or other test results if available. (American College Testing required for nursing and other specified health fields.)
4. Other documents as required by specific departments. The College reserves the right to request ad-

ditional personal information and evidence of academic proficiency.

The files of applicants who are admitted for a specific term, but who do not enroll, are kept in the registrar's 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's program at Madonna College. The associate 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, a course in literature and 8 semester hours of religious studies are required for a bachelor degree.

Madonna College does not accept in transfer more than 64 s.h. of lower division courses from a two-year institution.

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 33 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 notifies the Immigration Office of the applicant's admission to the College.

Deaf and Hearing Impaired Students

Madonna College accepts deaf and hearing impaired students who meet

College entrance requirements. In addition to the standard admission counseling, the College provides a developmental program to help them achieve academically.

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 beginners or as transfer students.

The College conducts an individualized 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 VA 22-1995 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 tests required by the Admissions Office.

Special Students

Non-admitted students, guest students, post-baccalaureate and graduate students are considered special students. A maximum of 18 semester hours earned by a special student may be applied toward a degree. Students

with special status pay a \$3.00 recording fee at each registration.

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.

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 Relations and Resources. The Faculty Standing Committees are: Admissions and Scholarships, Curriculum and Educational Policy, Library, Teacher Education, Cultural Affairs and Campus Ministry.

Also functioning at the College 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, Home Economics and Family Life, Library, Nursing Committees, Student Teacher Association, and campus chapters of national honor societies: Kappa Gamma Pi, Alpha Mu Gamma Epsilon Theta Chapter, (Foreign Language), Lambda Alpha Epsilon, (American Criminal Justice Association) 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 current progress and future plans.

Campus Ministry

For spiritual enrichment the campus minister offers daily liturgical celebrations 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.

Enrichment Opportunities

Interested students can seek expression in the campus publication, **THE MADONNA NOW**, and in the weekly **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, provides 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 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 may apply for residence through the office of the Director of Student Development who may also assist in locating off-campus residence for students.

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.

Food

Commuters are invited to frequent the College cafeteria located in the residence hall, north of the academic building.

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 parking fee.

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 Academic Dean.

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

Gambling is not permitted on the campus or at any College function.

Drives and Solicitation of Funds

Individual students or organizations are not permitted to operate stores or other agencies in the dormitory or on the campus without the written consent of the Office of Planning and Development.

No one shall solicit funds or organize or participate in drives for any reason without first securing approval of the Director of Student 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.

FINANCIAL AID

Madonna College provides financial assistance to admitted students whose personal and family resources are inadequate to meet the educational cost and to those whose scholastic aptitude merits a scholarship. 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 student and submitted to the Financial Aid Office.
2. The *Parents' Confidential Statement* (PCS) for dependent students to be completed by the parents or guardians, or the *Student Financial Statement* (SFS) to be completed by independent students.* The forms are to be mailed to the College Scholarship Service (CSS) at the address indicated. 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. A *Basic Educational Opportunity Grant* (BEOG) *Application*. The student will receive a Student Eligibility Report (SER) approximately 4-6 weeks after he/she submits this application. The two top copies of this report are to be returned to the Financial Aid Office.

4. *Michigan Tuition Grant Application*. Students applying for a Michigan Tuition Grant must also request that a copy of the Parent Confidential Statement 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 \$1400 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. Applications are available from high school counselors, U.S. Post Offices and Madonna College.

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 Parents' Confidential Statement (PCS).

Michigan Tuition Grants

The State of Michigan makes tuition grants available to students attending private colleges in Michigan. When completing the Parents' Confidential Statement (PCS), Michigan residents should list the State of Michigan Scholarship/Grant Program as a recipient of a copy of the PCS. By completing this step, as well as filing an application with the State of Michigan, every student will be considered for a tuition grant of up to \$1,200. Request forms for applications may be obtained from the Department of Education, Box 420, Lansing, Michigan 48902. Michigan 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.

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 credit-

able courses related to and useful in law enforcement.

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

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

Scholarship awards up to \$500 a year are granted to students who are academically proficient and who manifest qualities of leadership and integrity. An additional criterion for the renewal of a scholarship is the maintenance of a scholastic average of 3.0 or better. Scholarships are applicable to all educational expenses at Madonna College, including books, room and board. Requests for renewal should be submitted in writing to the President by May 1. Students who transfer to another college before graduation must refund the Madonna College Scholarship.

The Mother Mary DeSales Scholarship (1947)

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

The Anton Jakobs Scholarship (1968)

The Rudolf R. Kleinert Scholarship (1968)

The St. Mary Hospital Scholarship (1969) Awarded to nursing students.

The Nancy E. Tanger Scholarship (1969) Awarded to prospective teachers.

The Mayor Edward H. McNamara Scholarship (1972)

The Sister Mary Danatha Scholarship (1976)

The Kowalski Sausage Company Scholarship (1967)

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

Amvets Medical Scholarship

Provides scholarships of \$300 per year to qualified second year nursing students.

Association Executives of Metropolitan Detroit Scholarship

Provides \$500 to eligible students.

Saginaw General Hospital Scholarship Loan Program

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 (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.

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 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 Director of Student Development.

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 Rehabilitation 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.

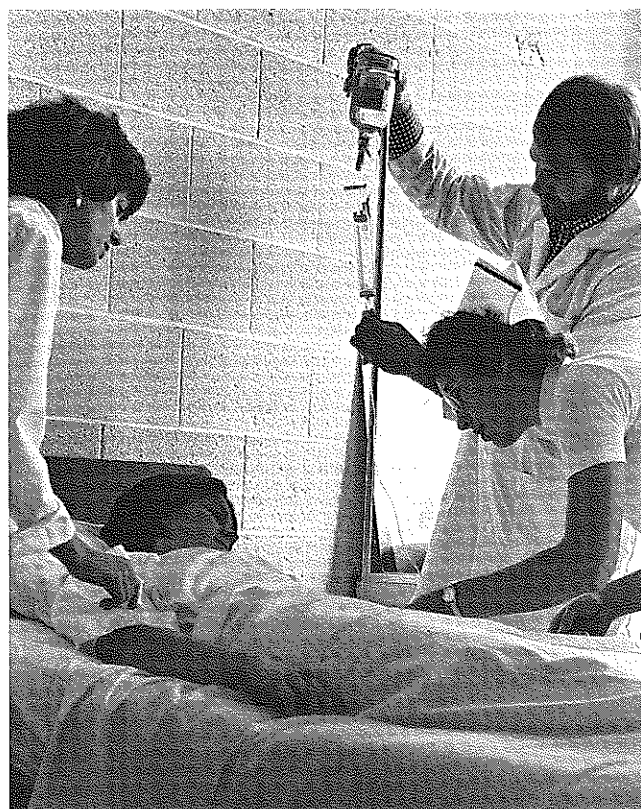
The law grants a monthly allowance to help veterans meet in part the cost of subsistence, tuition, fees, books, supplies and equipment and other cost of the college program. The amount of educational assistance allowance will be based on the rate of training and on the number of dependents.

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 **425-8000**, Extension 2.

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

TUITION	\$37.00 per s.h.
TUITION (credit by examination/evaluation)	15.00 per s.h.
Testing Fee	5.00 per course
AUDIT FEE	35.00 per s.h.

GENERAL FEE (non-refundable) 2.00 per s.h.

SPECIAL FEES (non refundable)

Application (non-refundable)	10.00
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	1.00
Parking 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, \$75 per course: one private lesson per week, per term.

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

Other course fees vary from \$1 to \$75. 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). \$675.00 per year

Private

(non-refundable) . 850.00 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 weekend 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. If bills are to be mailed to persons, companies, agencies, other than the student, the 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: General Fees and 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

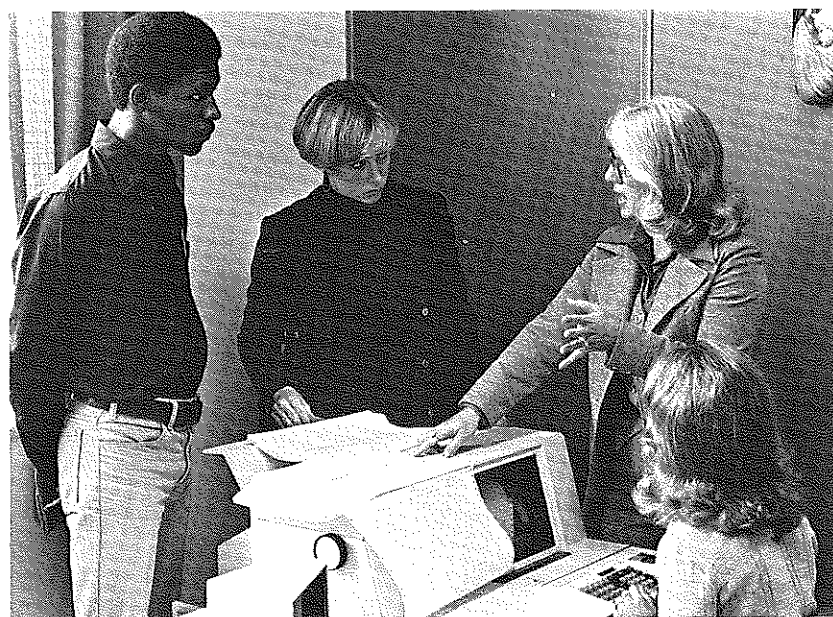
Students may not enter classes without class cards which are issued by the Student Service Center upon payment of tuition. All past-due tuition must also be paid in full before class cards will be issued.

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 Business Office 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 Director 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

Director 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 Director 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 decidedly 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 — (69 and below) = 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 seniors 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.
- b. Students may elect the conventional or the S/U grading system at the Registrar's Office on a specified date in the 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.

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

To be in good standing a student must maintain a minimal 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 maximal 12-semester-hour load.

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

Degrees with honors are conferred on the basis of work completed, except for the term prior to graduation.

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.

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 ceremonies are scheduled the last week of April or the first week of May. Students receiving degrees are expected to participate in Commencement ceremonies.

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 without 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.

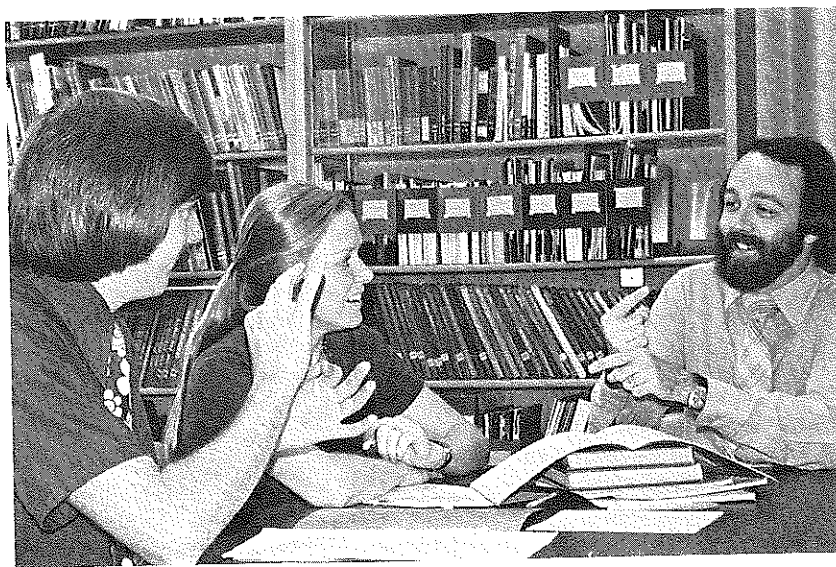
Records excluded from the provisions of the Act:

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 Director 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 one hour. 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 Director of Student Development.

LIFE/WORK EXPERIENCE

Students may receive credit by evaluation or examination for life and work experience, if there is adequate documentation and approval of the divisional or departmental chairperson.

INDEPENDENT STUDY

Students may earn credits for independent study in any particular field with the approval of the Director 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 Director of Student Development. The course numbers for independent study are: 120, 160, 220, 260, 370, 390, 420, 460.

HOME STUDY PROGRAM

The Madonna College campus is as close as any mailbox. Independent self-study courses are conducted pri-

marily by written communication. Only designated courses can be pursued without classroom attendance.

COOPERATIVE EDUCATION PROGRAM

Madonna College provides for the integration of classroom work and practical experience through alternate attendance at class and employment in business, industry, or government.

Alternate student plan provides for the budgeting of time in cooperative classes in which each student is paired with another on the same job, the student working full time for a specified time and then returning to school, while the alternate works for the same length of time.

Non-alternate student plan assigns only one student to each job to work for the whole period of the cooperative course. Under the cooperative plan students combine actual working experience with college studies. The course numbers for cooperative education are: 191, 192, 291, 292, 391, 392, 491, 492.

MoTech — Madonna College Cooperative Agreement: Students successfully completing the MoTech Automotive Program may apply for equivalency credit through the Department of Admissions at Madonna College.

INTERNSHIP OR PRACTICUM ARRANGEMENT

Allied health, business, journalism, criminal justice, fire protection and occupational safety, and other programs may require 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.

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.

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.

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.

STUDY ABROAD

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

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.

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 specialized program.

Associate of Arts

Associate of Science

Madonna College provides opportunities for young and older adults 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 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 World Art
- or
- Music Through the Ages 4 s.h.
- Other 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
- Equivalent 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-denominational in approach and of general human interest.

6. **Proficiency in the use of the written, oral, comprehension and reading skills established through examinations and/or courses.

Note:

An associate degree from the 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.
Literature	4 s.h.

****Communication Skills**

or

Technical Writing	4 s.h.
Great Monuments in World Art	

or

Music Through the Ages	4 s.h.
Other	4 s.h.

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

Social Sciences, 16 s.h.

General Psychology	4 s.h.
World Problems	

or

Equivalent	4 s.h.
Other	8 s.h.

2. 30-52 semester hours in a major field of study with an overall grade point average of 2.0 or better.
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 of general human interest.
6. **Proficiency in the use of the written, oral, 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 or proficiency examinations.

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.
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
Child Care and Guidance	X		X	X		X
(Nursery and Day Care Centers)						
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
Dietetics Technology	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 Protection and Occupational, Safety/Health	X		X	X		X
**French	X	X			X	
Gerontology (Aging)	X	X	X	X	X	
History	X	X			X	
Home Economics	X	X				X
Home Economics and Family Life	X	X				X
Interpreting/Communication	X			X	X	
Manual Communication		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 Education or Music	X	X			X	
Natural Sciences	X	X		X		X
Nursing	X					X
Operating Room Technology	X			X		
**Physics		X				
Polish		X				
Political Science		X				
Pre-Professional						X
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 and Industry (Voc)	X	X				X

*Pending approval.

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

***Consortial arrangement with University of Detroit.

****Refer to *Education*, page 48 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
Journalism/Public Relations
Interpreting/Communication
with Deaf Persons
Latin
Music Education and Music
Philosophy
Polish
Religious Studies
Spanish
Speech and Drama

Group Majors and Minors

Communication Arts Major: 20 s.h. in either English, Journalism, or Speech and 8 s.h. in each of the others, including English 101; Journalism 132, 357; Speech 105, 341.

Communication Arts Minor: 12 s.h. in English including 101; Journalism 132, 357; Speech 105, 341.

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

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

English-Speech Major: 18 s.h. in each department including English 101; Speech 105, 341.

English-Speech Minor: 12 s.h. in each department including English 101; Speech 105, 341.

THE DIVISION OF NATURAL SCIENCES AND MATHEMATICS

Biology
Chemistry
pre-Dentistry
Emergency Medical Technology
*Engineering
Health (Voc)
Mathematics
Medical Technology
pre-Medicine
Nursing
Operating Room Technology
Physics
Radiologic Technology
Science

*Consortial arrangement with the University of Detroit.

Group Majors and Minors

Biology-Chemistry Major: 36 s.h. including CHM 101, 202, 271, 323; BIO 401, 402 and 12 s.h. from Biology electives. Requirements from supportive fields: PHY 120, 121; MTH including 111 unless waived on the basis of a performance test. This Major is planned for the preparation of science teachers and allied health careers.

Biology-Chemistry Minor: 24 s.h. including 12 s.h. in Chemistry and 12 s.h. in Biology.

Natural Science Major: 36 s.h. with a minimum of 16 s.h. including at least 2 upper division courses in one area and 8 s.h. in one or more of the physical or

biological sciences or mathematics. Science 111, 112 and 113 may be included.

Natural Science Minor: 24 s.h. with 8 s.h. in 2 or more of the **physical or biological sciences** or mathematics.

THE DIVISION OF SOCIAL SCIENCES

Business Administration
Accounting and Finance
Computer Science and Information Systems
Management/Administration
Marketing
Child Care and Guidance
Criminal Justice
Law Enforcement
Corrections
Management/Administration
Psychology/Education
Dietetics Technology
Economics
Education
*Emotionally Impaired
Fire Protection and
Occupational Safety/Health

Geography
Gerontology
History
Home Economics and Family Life
pre-Law
Legal Assistant/Administrator
Physical Education
Political Science
Psychology
Public Administration
*Reading
Social Work
Sociology
Trade and Industry
(vocational
authorization/certification)

*Pending approval.

Group Majors and Minors

Social Science Major: 36 s.h. with a minimum of 16 s.h. including at least 8 s.h. in upper division courses in one area.

Social Science Minor: 24 s.h. with a minimum of 12 s.h. including 4 s.h. in upper division courses in one area.



PROGRAM AND COURSE DESCRIPTION

** Asterisk indicates that the course description can be found under the program that is abbreviated.*

ART (ART)

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

Minor:

20 s.h., including 105, 325, 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. (Not required of art majors).

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.

121 Introduction to Commercial Art (JRN) 2 s.h.

Introduction to the advertising field, its language, manner of working and preparation of ads for commercial purposes.

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.

180 Stained Glass Design and Techniques 2 s.h.

Introduction to cutting and assembling of colored glass. Creative design as applied to the techniques of glass staining, firing and assembling.

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. An 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 4 s.h.

A discussion-demonstration and application of art principles in a workshop manner, based on modern principles of geriatric psychology. A variety of approaches to the teaching of arts and crafts to the aging.

305 Lettering, Calligraphy and Poster Design 4 s.h.

A 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

the designing of posters and other projects for reproduction.

313 Fundamental Photography (JRN)* 4 s.h.

314 Advanced Photography (JRN)* 4 s.h.

321 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 the 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 Ceramics 4 s.h.
Development of contemporary design in clay objects.

409 Sculpture 4 s.h.
Work in the traditional and modern media of sculpture. Experimentation in both the additive and the reductive methods.

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. (Chemistry minor recommended.)

Minor:
20 s.h.

103, 104 General Biology I, II 4, 4 s.h.
Fundamental biological principles and problems as they apply to the cellular, organismic and ecological levels of the plant and animal worlds. Lecture 3 hours, laboratory 3 hours.

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

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

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: MTH 111.

317 Invertebrate Zoology 4 s.h.
A 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 (CHM/SCI) 3 s.h.
Study of the factors involved in the occurrence and prevention of infectious and non-infectious diseases within human populations. Lecture 3 hours. Prerequisite: BIO 326.

371 Pathophysiology (SCI) 3 s.h.
A study of disease processes affecting normal functioning of the human body. Two major complexes of interrelated systems: Cardiovascular-pulmonary disorders and endocrine-neurological dysfunctions. Lecture 3 hours. Prerequisites: BIO 243-244.

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

470 Biological Investigations 2-4 s.h.

Independent research, directed reading or special problems under the supervision of a faculty member. Departmental approval prior to registration.

BUSINESS ADMINISTRATION (BUS)

Major (B.S.): 24 s.h. of general business administration courses and 24 s.h. in area of specialization.

Areas of specialization:

Accounting and Finance
Computer Science and Information Systems
Management/Administration
Marketing

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

Minor:
24 s.h.

101 Introduction to Business 4 s.h.

Study of organization, marketing, production, personnel, finance, control and data management and an analysis of personal values, interests, abilities, social and psychological characteristics in relation to these components. Prerequisite for business administration majors and minors.

200 Technical Writing (ENG)* 4 s.h.

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. Prerequisite: BUS 101.

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.

235 Probability and Statistics (MTH)* 4 s.h.

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

Introduction to management theories and practices. Analysis of managerial functions and their relationships; designing and efficient organization and administrative and managerial roles.

238 Principles of Computer Science 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 I: RPG II (MTH) 4 s.h.

Problem solving with the computer, using the computer language RPG II, numerical and non-numerical applications, algorithms. Lecture 3 hours, laboratory 3 hours. Prerequisite: BUS 238 or departmental approval.

**246 Program Design II
COBOL (MTH) 4 s.h.**

Problem solving with the computer, using the computer language COBOL, numerical and non-numerical applications. Lecture 3 hours, laboratory 3 hours. Prerequisite: BUS 238 or departmental approval.

**247 Program Design II:
FORTRAN (MTH) 4 s.h.**

Problem solving with the computer, using the computer language FORTRAN, numerical and non-numerical applications, algorithms. Lecture 3 hours, laboratory 3 hours. Prerequisite: BUS 238 or departmental approval.

**250 Internship I:
Computer Operations 4 s.h.**

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

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. Prerequisite: BUS 101.

302 Organizational Behavior 4 s.h.

Analysis of needs and motivation, managerial leadership styles, the analysis of social structures which effect management and methods of managing organizational conflict.

**303 Intermediate
Accounting 4 s.h.**

Integrated application of accounting and automatic data processing principles, practices and procedures utilizing record equipment. Prerequisite: BUS 202.

**305 Consumerism
(ECN/HEF)* 4 s.h.**

Prerequisite: BUS 301 or consent of department.

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

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

**312 Production
Management 4 s.h.**

Analysis of scheduling techniques, principles of plant and office layout, production flow, methods of quality control and maintenance procedures. 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, dividend policies and effects of various policy decisions on the value of the firm. Prerequisite: BUS 201, 372.

**318 Human Behavior and Leader-
ship (CJ/EDU/PSY) 2-4 s.h.**

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

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

4 s.h.

Analysis of personnel functions, job and manpower requirements, techniques for recruitment and hiring, training and evaluating personnel and job analysis techniques. 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

4 s.h.

Analysis of input, output and auxiliary storage devices, control structure, logic, microprogramming functions and compiling techniques. Prerequisite: BUS 245, 246, or 247.

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.

360 Personal Money Management (HEF)

4 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

4 s.h.

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

372 Principles of Economics (ECN)

4 s.h.

Elementary study of production and distribution of goods and services. Formulation and rationale of supply and demand schedules. Discussion and determination of the distinction between economic analysis and economic policy.

375 Personnel Management in Hospital Departments (RTE)*

4 s.h.

380 Money and Banking (ECN)

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: BUS 372.

405 Advanced Accounting

4 s.h.

Solving problems dealing with partnerships, consolidations, fiduciaries. Prerequisite: BUS 303.

410 Cost Accounting

4 s.h.

Analysis, design, and operation of cost accounting systems, quantitative models for materials planning and control; 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.

442 Research in Management 4 s.h.

Analysis of the effects of technological development upon human resources and management; current trends affecting management; research techniques used in solving management problems. Prerequisite: 8 s.h. in management.

445 Information System Design 4 s.h.

Techniques for the analysis and design of information systems, project management. Prerequisite: BUS 245, 246, or 247, or departmental approval.

450 Auditing 4 s.h.

Analysis of the audit process, the audit examination and procedures for completing the audit examination. Prerequisite: BUS 303 or 410.

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

455 Decision Making with Statistics 4 s.h.

Nature of decisions; objectives, policies, sequential decisions; quantitative methods to solve problems. Prerequisite: minimum 12 s.h. in Business Administration.

461 Taxation 4 s.h.

Analysis of techniques of tax management, taxation procedures for partnerships, estates, trusts, corporations, foreign income, and foreign taxpayers. Prerequisite: BUS 303.

485 Internship: Systems Design 4 s.h.

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

499 Certified Public Accountant (CPA) Problems 2-8 s.h.

Discussion and review of CPA examination; problems unique to the CPA. Prerequisite: 16 hours of accounting.

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 degree in Business Administration 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.

CHEMISTRY (CHM)

Major: 30 s.h. including CHM 334, 353, 354. Requirements from other fields: PHY 120, 121; Mathematics, including Calculus.

Minor: 20 s.h.

101 Introduction to General Chemistry 3 s.h.

Basic concepts of chemistry. (For students without previous experience in chemistry. 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.

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.

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

Integrated organic and biochemical principles related to the 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. Prerequisite: CHM 202.

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 instrumental 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 the 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.

360 Epidemiology (BIO/*SCI) 3 s.h.

401, 402 Life Chemistry I, II (BIO/SCI) 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, 323; BIO 243.

470 Problems in Chemistry 1-4 s.h.

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

CHILD CARE AND GUIDANCE

(Listed under Home Economics and Family Life.)

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 221, 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: ENG 200; PSC 251; SOC 322 or 442, SOC 342, SOC 221 or SOC 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 and Administration 3 s.h.

The role of the police administrator in traffic operations, administration and supervision.

217 Advanced First Aid (EMT/FPS/PED) 3 s.h.

Credit awarded for Advanced First Aid in conjunction with the American Red Cross. Valid certificate required. Includes cardio-pulmonary resuscitation, splinting, bandaging, shock, burns and various other types of emergency care.

218 Seminar on Drug Abuse And Overdose (FPS/EMT/PED) 2 s.h.

An 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, 281 Community Corrections I, II (SOC)* 3, 3 s.h.

292.1-292.4 Practicum in Criminal Justice 3-6 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.

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.

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.

331 Correctional Security 3 s.h.

Organization, supervision and administration of institutional security; responsibility and techniques of security in adult and juvenile detention and corrections facilities.

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 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.

495 Criminal Justice Seminar 3 s.h.

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

(PRE-DENTISTRY)

Students preparing for dental school 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.

The basic requirements for admission to most dental schools are the same as those for admission to medical schools. The special courses vary with each school. It is recommended, therefore, that prospective dental students become acquainted with the requirements of the school(s) to which application will be made.

DIETETIC TECHNOLOGY

(Listed Under Home Economics and Family Life.)

ECONOMICS (ECN)

305 Consumerism (BUS/HEF)*	4 s.h.
372 Principles of Economics (BUS)*	4 s.h.
380 Money and Banking (BUS)*	4 s.h.
451 Economic 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 certification in elementary, middle, and secondary schools; for K-12 certification in Art, Music, Learning Disabilities, Emotionally Impaired,* and Reading.* The College may recommend students for vocational certification and authorization in trade and industry, health occupations and home economics and family life.

*pending approval

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 admitted and retained in the program students must meet the following requirements:
 1. a grade point average of 2.0 or higher;
 2. a minimum of one semester hour of Education 200, and completion of three contractual modules;
 3. proficiency in the use of communication skills established through examinations and/or courses;

4. two letters of recommendation (one from the major advisor);
5. participation in the Student Teaching Association meetings and/or seminars;
6. general good health;
7. 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 prepare 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 the major, minor, and planned program. Only a grade of C or better is applicable in professional courses, major, minor or planned program;
2. accumulated evidence of growth in professional teaching competence;
3. a written recommendation from the major adviser;
4. approval from the Teacher Education Committee.

III. APPLICATION FOR MICHIGAN CERTIFICATION

To be recommended by the College for provisional certification in the State of Michigan on the elementary (K-9), middle schools 5-9, 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 planned program may be taken from among the following courses:

*Art 316
Economics 372
English 300
Geography 301
*Mathematics 243
Music
Political Science 251
*Science 111, 112, or 113
Speech 105
Speech 401

*required

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

3. Completes the following professional courses:

Directed Teaching
Foundations of Education
Introduction to Professional Education Experiences
Educational Learning and Growth Patterns
Psychology of Reading
Instructional Media
Methods of Instruction (appropriate to certification desired)

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.

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

NOTE:

1. General Education courses are also applicable towards the planned Program or a teaching major or minor.
2. Admission to the Teacher Education program and admission to student teaching do not guarantee 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.

MADONNA COLLEGE TEACHER EDUCATION PROGRAMS

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

	Elementary (K-9)		Secondary (7-12)	
	Major	Minor*	Major	Minor
Art (K-12)	X	X	X	X
Biology	X	X	X	X
Chemistry	X	X	X	X
Child Care and Guidance (Voc) ²			X	X
Communication Arts ¹	G	G	G	G
* Emotionally Impaired ⁶ (K-12)	X	X	X	X
English	X	X	X	X
English-Journalism	G	G	G	G
English-Speech	G	G	G	G
French	X	X	X	X
Health (Voc)			X	X
History	X	X	X	X
Home Economics	X	X	X	X
Home Economics and Family Life ²	X	X	X	X
Journalism		X		X
Latin		X		X
Learning Disabilities (K-12)	X	X	X	X
Mathematics	X	X	X	X
Music Education (K-12)	X	X	X	X
Natural Sciences ³	G	G	G	G
Physics ⁴		X		X
Polish		X		X
Political Science		X		X
* Reading ⁶		X		X
Science ⁵	G	G	G	G
Social Science	G	G	G	G
Sociology	X	X	X	X
Spanish	X	X	X	X
Speech		X		X
Trade and Industry (Voc)			X	X

X = Major, 30 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.

⁶ Pending approval.

195 Introduction to Learning Disabilities (SED) 4 s.h.
Principles and practices in working with learning disabled children. Lecture 3 hours, laboratory 2 hours.

200.1-200.3 Introduction to Professional Education Experiences 2-4 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.
Basic elements of art and music with guidelines for creative children's expression. Activities in music and art as a foundation for planning a creative program based on the developmental needs of young children. Opportunities to apply related techniques and materials. Lecture 3 hours, laboratory 2 hours.

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*/PED) 4 s.h.

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

310 Principles of Speech and Language Development (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.

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.

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.

331 Orientation to the World of Work

4 s.h.

A survey of the clusters of career opportunities as they may relate to the curriculum K-12. Development of units of study and resource files of work opportunities. Lecture 2 hours, laboratory 4 hours.

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.

350 Psychology of the Exceptional Child (PSY*/SED)

4 s.h.

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

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 laboratory experiences. 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 Practicum in Diagnostic and Prescriptive Techniques (SED/PSY)

4 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 1 hour, laboratory 6 hours.

411 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.

412 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.

419 Principles and Techniques of Instruction (FPS)

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.

420 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 student. Specific classroom practices for acquiring attention, order, response, social competencies. Methods, materials and classroom designs for working with the emotionally impaired child.

431 Introduction to Career Education 4 s.h.

Historical, philosophical and educational facets of career education in elementary and secondary schools. Dimensions of a set of objectives which include aspects of self awareness, educational awareness and decision-making process or planning behaviors. Lecture 2 hours, laboratory 4 hours.

432 Foundation of Vocational Education 4 s.h.

History and development of Vocational Education in the school curriculum. Competency-based education as applied to the vocational field. Lecture 2 hours, laboratory 4 hours.

435 Practicum II, Emotionally Impaired (SED) 2 s.h.

Individual contact with the emotionally impaired. Laboratory 6 hours.

442 Principles of Vocational Instruction 4 s.h.

A combination of orientation to the business community and the principles of teaching the relationship between business and education. Lecture 3 hours, laboratory 2 hours.

450 Methods in the Major Field; (secondary)

Special methods in the subject-matter fields appropriate to the secondary level in which students expect to teach. Lecture 2 hours, laboratory 2 hours.

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

450.2 Methods in Communication Arts 3 s.h.

450.3 Methods in Foreign Languages 3 s.h.

450.4 Methods in Home Economics and Family Life 3 s.h.

450.5 Methods in Mathematics 3 s.h.

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

450.7 Methods in Natural Science 3 s.h.

450.8 Methods in Social Science 3 s.h.

450.9 Methods in Occupational Subjects 3 s.h.

Concepts and techniques for developing professional commitment; use of community resources; guidance procedures. Consideration of performance objectives, relevant teaching materials, equipment aids, and effective delivery systems in specific vocational curriculum areas.

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

Proper teaching techniques, methodologies and philosophies of ASL instruction. Discussions for development of audio-visual aids for ASL teaching.

468 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.

470 Directed Teaching in the Elementary School

3-8 s.h.

Observations and teaching in classroom situation; individual conferences and seminars.

Directed Teaching in the Secondary School

3-8 s.h.

470.1 Art (K-12)

470.2 Communication Arts

470.3 Foreign Languages

470.4 Home Economics and Family Life (K-12, Vocational)

470.5 Mathematics

470.6 Music (K-12)

470.7 Natural Science

470.8 Social Science

470.9 Vocational-Technical

471 Learning Disabilities (K-12)

472 Directed Teaching Middle School

3-6 s.h.

Observation and teaching in classroom situations; individual conferences and seminars.

473 Directed Teaching Emotionally Impaired

6 s.h.

Observation and teaching in class-

room situations; individual conferences and seminars.

476 Middle School Classroom Organizational Patterns

4 s.h.

A survey of current organizational structures for schools and classroom. Emphasis on the teacher's role in the curriculum organization in terms of accommodating and providing for the instructional needs of the middle school child. Attention to the special needs characterized by this age group and the various behavioral and organizational patterns which best provide for these students. Lecture 3 hours, laboratory 2 hours.

478 Foundations of Education

4 s.h.

An 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 guarantees.

485 Reading Practicum

2-4 s.h.

Supervised clinical and classroom teaching of reading. Two laboratory hours for each semester hour.

495 Learning Disabilities Seminar (SED)

1-4 s.h.

A research seminar to strengthen teaching, diagnostic, and organizational competencies within the learning disabilities program. With departmental approval, may fulfill a course requirement for certification.

SPECIAL PROGRAMS IN EDUCATION

The Department of Teacher Education offers special programs leading

to endorsements on teaching certificates in the following areas: Teacher of the Learning Disabled, Teacher of the Emotionally Impaired, Reading Improvement Services and Middle School. 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.

Emotionally Impaired

36 s.h. planned program: EDU 317, 321, 323, 426, 435, 473; PSY 342, 358; 8 s.h. from: PSY 241, 341; SOC 221; EDU 312, 358, 409.

Learning Disabled

36 s.h. planned program: Required: PSY 310; EDU 315, 358, 409, 468, 471.
Support: PSY 250, 241 and 341, 320, 350, 401; EDU 312 and 372.

Reading Improvement

Minor: 24 s.h.: PSY 101, 310, 320; EDU 358, 372, 485; ENG 300.

Middle School

(For endorsement of certified elementary or secondary teachers) 14 s.h. planned program to include: PSY 313; EDU 412, 472, 476.

EMERGENCY MEDICAL TECHNOLOGY (EMT)

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

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

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.

217 Advanced First Aid (CJ*/FPS/PED) 3 s.h.

218 Seminar on Drug Abuse and Overdose (CJ*/FPS/PED) 2 s.h.

256 Emergency Medical Technology I (FPS) 3 s.h.

Basic life support techniques: initial patient assessment, 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.

A continuation of the basic life support techniques: emergency childbirth, drug intoxication, medical and surgical emergencies, extrication. Lecture 3 hours, Laboratory 1 hour.

301 Advanced Medical Technology III 12 s.h.

Anatomy and physiology, auscultation of the heart, physical examination,

medication and introduction to ECG's.
Lecture 8 hours; Laboratory 4 hours.
Prerequisite: EMT 256, 257.

302 Advanced Medical Technology IV 12 s.h.

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

333 Pharmacology (SCI) 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.

ENGINEERING

A five-year engineering program, through consortial arrangement, 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 co-operative training in industry.

The courses required at Madonna College include the following:

Chemistry	8 s.h.
Mathematics	16 s.h.
Physics	4 s.h.
Humanities	16 s.h.
Social Sciences	8 s.h.

EMOTIONALLY IMPAIRED

A program pending approval.
(Courses listed under Education)

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.

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.
Writing experiences to improve skills in spoken and written communication.

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

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

200 Technical Writing (BUS) 4 s.h.
Theory and specific application of technical writing principles; practice in the preparation of personal data sheets and business letters; writing the problem solving report, including graphic aids; practice in the oral presentation of technical information to large and small groups.

223 Ideas in World Literature 4 s.h.
A survey of world classics ranging from the ancient world to the modern. Authors and works which manifest a

prevalent philosophy or attitude crucial to a given civilization.

300 Children's Literature and Drama (SPH) 4 s.h.

Classical and contemporary writings for children; dramatization of stories. Selection of materials with reference to the interest, needs and abilities of children.

301 Major American Writers 4 s.h.

A study of the response to the experience of American life and people in the writings of Franklin, Emerson, Poe, Hawthorne, Melville, Twain and Whitman.

302 Modern American Writers 4 s.h.

A study of the best American writers, poets and dramatists who emerged in the period between the Civil War and World War II.

321 Contemporary Literature 4 s.h.

A focus on the manner in which contemporary writers treat central problems and the ideas they offer for dealing with those problems. A critical examination of popular literature to determine what mirrors society's attitudes and values.

355 Women in Literature 4 s.h.

A study of representative prose and poetry by and about women to describe their search for independence and fulfillment.

363 Literary Quests 4 s.h.

Examination of a variety of literary works pertinent to selected themes, i.e., visions of the self; the search for values; protest and outrage; science and technology.

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

386 Ethnic Studies in Literature 4 s.h.

An examination of the cultural issues treated in fiction, poetry and drama by those authors representing a specific ethnic or racial group.

415 Film Appreciation (SPH) 4 s.h.

Historical development of the film in terms of technique, literary representation and social influence. Aspects of film that qualify it as an art form worthy of critical attention.

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

A literary and historical analysis of a particular period, event, or personality.

FIRE PROTECTION AND OCCUPATIONAL SAFETY (FPOS)

Major (B.S.): 42-48 s.h. in FPS and supportive courses.

Fire Protection major: FPS 115, 215, 268, 269, 351, 395; supportive courses including CHM 101; MTH 105, 106; PHY 100, 110.

Occupational Safety major: FPS 102, 215, 322, 331, 351, 352, and 355; supportive courses from the natural sciences above and BUS 200; CHM 271; JRN 313; MTH 235 and 245; and SPH 316.

Group major: 36 s.h. in Fire Protection and Occupational Safety, 20-24 s.h. supportive courses.

Major (A.S.): Fire Protection and/or Occupational Safety: 30 s.h. including CHM 101 and at least five of the following: FPS 115, 215, 268, 269, 351, 395.

Minor: 20 s.h.

100 Introduction to Physics I (PHY)

3 s.h.

A 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.

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.

102 Principles of Occupational Safety and Health

3 s.h.

History, terminology and concepts; study of the occupational safety and health act (OSHA); importance of loss control and risk management; methods of prevention and control.

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.

Basic concepts and their applications to the topics of wave motion and sound, light and optical phenomena, magnetism and electricity. Applicable to firefighters' profession. Lecture 2 hours, laboratory 3 hours.

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.

A study of the fundamental concepts of building construction to include terminology, techniques and structural design.

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.

A 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

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.

322 Inspection of Various Occupancies 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.

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 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.

355 Safety and Health Standards, Codes, and Regulations 3 s.h.

History and content of labor laws, especially OSHA and MIOSHA; record keeping, standards, enforcement by compliance officers, penalties and variances.

361 Industrial Fire Prevention and Protection 3 s.h.

An examination of specific industrial processes, equipment, facilities and work practices to identify potential fire hazards and techniques for detecting and controlling such hazards.

362 Internship I 6 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 18 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.

402 Internship II 6 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 18 hours.

405 Fire Protection Analysis 3 s.h.

Surveying procedures, fire hazard recognition, evaluation and application of appropriate measures to assure maximum life and property safety from fire.

419 Principles and Techniques of Instruction (EDU)* 2-4 s.h.
(Instructors' Institute)

420 Research Project 3 s.h.

Independent investigation of the subject of fire protection or occupational safety conducted under faculty supervision.

New courses for Occupational Safety and Health Program currently being developed are the following:

Fundamentals of Industrial Nursing	3 s.h.
Product Safety	2 s.h.
Fleet Safety	2 s.h.

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. Emphasis 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.

420 Independent Study 2-4 s.h.

An in-depth investigation of some specific topic or problem of interest within the area of French morphology, literature, or culture.

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

(Listed under Sociology)

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 world issues confronting the United States today.

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 from the colonial period to 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.

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.

470 Cooperative Study Experiences 3-6 s.h.

Credit for cooperative experiences in an area relevant to professional goals. Washington internship.

471 Seminar 4 s.h.

Theoretical and philosophical foundations of history and political science, including a paper reflecting historical methodology.

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)

Programs within this department include specialization in the following areas:

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

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

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

Dietetic Technology Major: 30-36 s.h. including 225, 321, 325 and required supportive courses: MTH 111; CHM

201, 202, 271; BIO 243, 244, 326; EDU 312; BUS 236, 372.

Child Care and Guidance Major: 36 s.h. including 241, 272, 471.

Vocational Certification and Authorization:

Consumer and Homemaking
Child Care and Guidance
Clothing Management
Food 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.

Madonna College is affiliated with the Child Development Associate Consortium. A CDA worker can earn the Child Care Credential by demonstrating the six kind of competencies: 1) establishment and maintenance of a safe and healthy learning environment; 2) advancement of physical and intellectual competence; 3) support of a positive self-image and individual strength; 4) promotion of harmonious interrelations between children and adults in group environment; 5) development of coordination between

home and center, with regard to child-rearing practices and expectations; 6) ability to carry out supplementary responsibilities related to children's programs. These competencies can be evaluated to a maximum of 30 s.h. applicable toward the Associate and Bachelor degrees.

Preparation for the following in accordance with the regulations of the State of Michigan, Department of Social Services:

1. Nursery School

The head teacher or person in charge of programming of the nursery school shall meet the educational qualifications as determined by the Michigan Department of Public Instruction for nursery school assignment.

They are as follows:

- a. A Bachelor's degree in elementary education with an Elementary Provisional or Permanent teaching certificate and a minimum of 15 semester hours of credit in child development, or
- b. A Bachelor's degree with a Secondary Provisional Certificate and a major of at least 24 semester hours in child development, or
- c. A Bachelor's degree with a minimum of 15 semester hours of credit in child development and nursery education and a life certificate.

Assistant teachers should be under the direction of a fully qualified head teacher. They should have a minimum of two years of study at the college level and experience in work with groups of children under six years of age.

2. Day Care Center

The director or person in charge of a Day Care Center shall have a minimum of two years of study at the College level.

A day care center should be under the direction of a person qualified to supervise and administer a developmental program for pre-school children.

Assistants should be under the supervision of the person in charge and should have some preparation for and experience in working with young children.

3. Special Centers

- a. The cooperative Nursery School or Co-operative Nursery

These centers are organized by parents to provide good group experiences for their children and to study young children through active participation in the program. If the teacher has a certificate approved by the Department of Education, the center may be licensed as a nursery school, otherwise it is licensed as a day care center. The ratio of assisting parents in such centers should be approximately one adult to every five children.

- b. Centers for the Exceptional Child

When the purpose of a center is to care for exceptional children, additional qualifications for the staff may be required as determined by the need of the children, e.g., certificate in special education, or a smaller ratio of staff to children.

DIETETIC TECHNOLOGY

The four-year bachelor degree program in Dietetics prepares dietitians for hospital or commercial settings. The two-year associate degree program prepares dietetic technicians for careers in food service management or nutrition care service. Home economics courses are emphasized and supported by chemistry. Practical experience is included during the second year.

HOME ECONOMICS

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 4 s.h.

Basic principles and recent developments in textile products. Chemical and physical properties of fibers, yarns, fabric structures and finishes related to fabric deterioration. Lecture 2 hours, laboratory 4 hours.

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

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

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

Concepts and underlying 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; planning and carrying out recreational programs including tech-

niques of instruction in games and sports suitable for various age levels. Lecture 3 hours, laboratory 2 hours.

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

Deals with child care delivery systems and innovative programs. Observations in child care facilities. Lecture 3 hours, laboratory 2 hours.

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

225 Nutrition 4 s.h.

Identification, function, metabolism and food sources of specific nutrients required for normal growth and development. Basic concepts of nutrition applied to personal, family, social and economic food problems.

236 Clothing Selection and Construction 4 s.h.

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

238 Child Nutrition 2 s.h.

The study of normal growth patterns and the principles involved in meeting the nutritional requirements of preschool and early age children. Laboratory work in nursery school and elementary school lunchrooms.

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

242 Nutrition for the Aging 2 s.h.

Determining and meeting food needs for optimum health during aging related to income, psychological and nutritional changes.

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

**272.1-272.3 Child Care Practicum
and Seminar
(PSY*/SOC) 2-6 s.h.**

**305 Consumerism
(BUS/ECN) 4 s.h.**

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

**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 center administrator. Emphasis on good business management practices, licensing, and standards, current Federal and State child care legislation, availability of supportive services and health, nutrition and social work. Prerequisite: Experience in day care.

321 Meal Management 4 s.h.

Emphasis on chemical and physical properties of foods that affect handling and preparation of food. Social, cultural and historical interrelationships of foods and food service. Emphasis on managerial, economic, psychological, nutritional and aesthetic implications. Lecture 3 hours, laboratory 3 hours.

325 Dietetics 4 s.h.

Modified normal diet as applied to the various dietetic requirements in treatment of different allergies and diseases. Prerequisite: HEF 225. Field work in hospitals to be arranged. Lecture 2 hours, laboratory 4 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.

346 Quantity Cookery 4 s.h.

Standards, principles, methods and experiences in quantity cookery; planning menus and serving meals on various occasions. Laboratory experiences in College residence hall kitchen and the school lunchroom. Lecture 2 hours, laboratory 4 hours. Prerequisite: HEF 321.

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

**360 Personal Money Management
(BUS)* 4 s.h.**

**363 Housing and Interior
Design 4 s.h.**

Basic principles of design and color related to house interiors and exteriors; emphasis on planning, selecting, and furnishing homes in terms of individual and family needs.

421 Table Service 3 s.h.

Planning, preparing and serving meals for special occasions with emphasis on social skills necessary for successful family meals and group entertaining. Principles of proper table setting and history of china, glass and silverware. Lecture 2 hours, laboratory 3 hours. Prerequisite HEF 225, 321.

427 Home Management 4 s.h.

Management of human and material resources in the family with emphasis on use of time and energy. Standards of living related to family concerns, values and goals. Laboratory experience includes family situations and/or that of the home management house. Prerequisite: HEF 225, 305, 321 and 353. Laboratory by arrangement.

471 Seminar 4 s.h.

Emphasis on vocational education and career orientation; directed reading and study in areas of special interest, such as nutrition, dietetics, child development, consumerism and family living.

491 Practicum/Co-op 4-6 s.h.

Management experiences at hotels, hospitals, child care centers, restaurants, school and senior citizen centers. Laboratory 8-12 hours.

HUMANITIES (HUM)

Some courses in Religious Studies are indicated as HUM (Humanities) for purposes of registration. However, there are no special courses in the Bulletin or schedule printed separately as "Humanities."

INTERPRETER FOR COMMUNICATION WITH DEAF PERSONS PROGRAM (ITC)

The Interpreter for Communication with Deaf Persons (ITC) Program leads to an Associate or Bachelor of arts degree with a major in interpreting, and prepares students as proficient interpreters in the communication process 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), and the National Interpreters Training Consortium (NITC).

Bachelor of Arts degree: 40 s.h.

Associate of Arts degree: 30 s.h.

Minor in Manual Communication: 20 s.h. including 221, 222, 313, 321, 481.

221 Manual Communication: AMESLAN I (SPH/SED) (American Sign Language) 3 s.h.

Beginning course in American Sign Language as used within the American deaf society. Includes structure and syntax of AMESLAN. Recognition, signing and reading of American Sign Language vocabulary is also discussed.

222 Intermediate Sign Language: AMESLAN II (SPH/SED) 3 s.h.

Intermediate level in manual communication with emphasis on increased vocabulary and speed. Includes rudimentary linguistics, differences among sign language systems, increased fluency in expressive and receptive AMESLAN, finger spelling and non-verbal communication. Prerequisite: ITC 221 or fluency in manual communication.

226 Introduction to Interpreting 2 s.h.

Survey of basic theories, guidelines, principles and practice of interpreting for deaf persons in general and in specialized settings; the role of the interpreter, the interpreting process, physical factors and language variation in interpreting. Role playing and interaction with deaf students and adults in simulated exercises in the legal, medical, religious, vocational, educational, mental health, deaf/blind, artistic and related situations. Prerequisite: ITC 221-222 or departmental approval.

250 Interpreting Practicum I 4 s.h.

Guidelines for interpreting and 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 and evaluation by experienced interpreters. Three

hours of weekly seminar with certified interpreters and deaf persons. A minimum of 45 hours required in interpreting situations; 60-70 hours preferred. Prerequisite: ITC 226.

297 AMESLAN Proficiency 1 s.h.

Accelerated review and practice of manual communication skills. Stress placed on continued skill building in basic sign language idioms and colloquialisms in conversational signs. Emphasis also on required and selected reading materials on deafness and related research.

313 Psycho-Social Aspects of Deafness 2 s.h.

Considers effects of prelingual and postlingual deafness or hearing impairment on the psychological and emotional development and adaptation of the individual to deafness. Cognitive and linguistic development, personality interpersonal behavior and societal reactions, and possible compensatory processes in the other sensory systems of the body.

321 Advanced Sign Language: AMESLAN III 2 s.h.

For advanced level interpreters, teachers and proficient signers. Involves highly technical legal, medical and counseling terminology. Review of various sign language systems and linguistic differences.

348 Linguistics for Sign Language Teachers 2 s.h.

Application of principles from psycholinguistics and linguistics in evaluating languages and in developing patterns of approaches for hearing impaired persons. Provides for a working knowledge of modern grammar and/or normal language development. Emphasis on new techniques for evaluating language and on using pattern approaches for language development.

400, 401 Interpreting Practicum II, III 2, 2 s.h.

Emphasis placed on reverse interpreting, oral interpreting, deaf/blind interpreting, interpreting for non-verbal persons and ethics of interpreting. Increased independence in interpreting situations. A minimum of 2 hours weekly seminar and 45-50 interpreting hours per term. Students interpret in classes where deaf students are registered and within the community where services are needed.

427 Signed English and Interpreting in the Educational Setting (SED) 3 s.h.

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

477 Reverse Interpreting 3 s.h.

Study of the principles and problems of interpreting the manual, oral and written communications of deaf persons into spoken or written English equivalents. Deaf speakers provide situational practice and role playing as part of the course practicum in social, legal, vocational, religious, medical and related settings. Thirty hours of practicum required.

481 Advanced Techniques of Manual Communication 3 s.h.

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

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

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)* 2 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, (laboratory work on campus publication).

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

286 Editorial Writing and Feature Writing 4 s.h.
Modules in feature and editorial writing. Study and writing of newspaper features. Principles and ethics of editorial judgment; 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, (laboratory work on campus publication). Prerequisite: JRN 132.

305 Public Speaking (SPH)* 3 s.h.

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

313 Fundamental Photography (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 Advanced Photography (ART) 4 s.h.

Creative techniques, film processing, composition, printmaking. Emphasis on visualization and creative techniques. Production of a color slide project.

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.

357 Editing and Copyreading 4 s.h.
Principles of editing, headline writing, page make-up, use of pictures. Lecture 3 hours, laboratory 2 hours, (laboratory work on campus publication). Prerequisite: JRN 132.

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

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

Role and responsibility of the news media as a reflection and molder of social opinion; relation of newspress to government; impact of broadcasting on other mass media.

475 Journalism/Public Relations Practicum 4-12 s.h.

On-campus or on-the-job experience in editorial and/or business management of campus publication, publicity or promotion work, or off-campus internship. Prerequisite: JRN 132, 286, 357.

LATIN (LAT)

Minor: Minimum of 20 s.h. beyond elementary level.

(Courses as listed in Bulletin 1969-73 will be offered if there is sufficient enrollment.)

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.

Associate of Science degree: Legal Assistant 30 s.h. in LAW, including 100, 101 and 471.

Bachelor of Science Degree: Legal Assistant 36 s.h. in LAW, including 100, 101, 357 and 471.

Bachelor of Science: Legal Administrator 36 s.h. in LAW, including 100, 101, 357 and 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.

101 Legal Research and Procedures 3 s.h.

Introduction to the law library and the use of legal references; the techniques of legal research, analysis and writing; constitutional, statutory and regulatory law; the court system.

201 Investigative Techniques 3 s.h.

Collection, organization and use of facts, sources of evidence and leads access to records, evaluation of 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 Taxation 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.

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. Decedent's estates, including determination of assets, federal and state death 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.

471 Legal Seminar and Practicum 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.

MATHEMATICS (MTH)

Major: 30 s.h., including 251, 252, 330 or 341, 351.

Minor: 20 s.h. including 251, 252.

100 Developmental Mathematics 1 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. **Does not apply toward a major or minor.**

105, 106 Technical Mathematics I, II 3, 3 s.h.

Linear equations and inequalities, fractional expressions and equations, quadratic equations, radicals, logarithms, introductory trigonometry. Prerequisite: MTH 101 or one year of high school algebra. **Does not apply toward a major or minor.**

111 Algebra with Trigonometry 4 s.h.

Real and complex numbers, polynomial, rational, algebraic, exponential, logarithmic and trigonometric functions; equations and inequalities. Prerequisite: Two years of high school algebra or 105.

125 Metric System 1-2 s.h.

Brief history and advantages of the metric system. Development of the meaning, relationships and use of the basic metric units of length, area, volume, mass and temperature. Review of decimal computations.

235 Probability and Statistics (BUS) 4 s.h.

Probability models, sampling distribution, combinatorial analysis, conditional probability, random variables, frequency distribution, variance, statistical inference, applications. Prerequisites: One year high school algebra or MTH 101 and/or departmental approval.

243 Principles of Mathematics 4 s.h.

The basic structure of the real number system and field properties, algorithms for arithmetic operations, numeration systems, elementary set theory, informal geometry. **Does not apply toward a major or minor. Re-**

quired of all elementary school teachers.

245 Program Design I: RPG II (BUS)* 4 s.h.

246 Program Design II: COBOL (BUS)* 4 s.h.

247 Program Design II: FORTRAN IV (BUS)* 4 s.h.

250 Statistics (PSY*/SOC) 4 s.h.

251, 252 Calculus with Analytic Geometry I, II 4, 4 s.h.

Elements of plane geometry through the conics, coordinate systems, transformation of coordinates; differentiation and integration of algebraic and transcendental functions with application. Prerequisite: MTH 111.

330 Modern Algebra 4 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 4 s.h.

Elementary theory of polynomials, vector spaces, systems of linear equations, determinants, linear transformations and matrices. Prerequisite: MTH 252.

351 Calculus with Analytical Geometry III 4 s.h.

Elements of solid geometry, vectors in three dimensional space, partial derivatives, multiple integrals, infinite series. Prerequisite: MTH 252.

451 Real Analysis 4 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 4 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 the purposes of diagnosis.

Medical Technology is a competitive field; medical technology students will not be recommended for admission to a hospital school unless their achievement in all MTE courses attempted is at least a 2.75 grade point average.

Students interested in a medical technology degree earn a Bachelor of Science degree (120 s.h.) with a major in Biology-Chemistry or Natural Sciences and after graduation serve a year internship.

Students are eligible after the 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 organi-

zation 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

Students preparing for medical school follow a concentration program in biology, chemistry or life sciences. 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. Premedical 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: 40-46 s.h. including 111, 112, 211, 307, 333, 401, 403, 421, 451; 16 s.h. of applied music. (Music Education has additional requirement of 20-24 s.h. in teacher education.)

Minor: 24 s.h. including 111, 112, 333; 8 s.h. of applied music.

THEORY

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, non-harmonic tones, modulation.

211, 307 Theory III, IV 4, 4 s.h.

Advanced sight singing and dictation; four-part writing: modulation, chromatic harmony, twentieth-century practices.

MUSIC HISTORY AND LITERATURE

102 Music Through the Ages 4 s.h.

An 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 tendencies.

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.

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 and symphony; harmonic and structural analysis of representative works; study of the score.

APPLIED MUSIC AND PERFORMANCE

An audition is required prior to registration in order to determine the level of accomplishment.

105, 106 Piano for the Adult Beginner 2, 2 s.h.

Beginning course in adult piano with emphasis on basic keyboard technique and musicianship.

113, 114, 122, 123, 233, 234, 323, 324, 353 Piano 2 s.h. (each)

Study of keyboard theory, technique and repertoire designed to meet the needs of the individual student.

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.

115, 116 Organ 2, 2 s.h.

Beginning organ technique; application to basic materials; congregational accompaniment.

235, 236, 335, 336 Organ 2 s.h. (each)

Continuation of 115, 116; more advanced repertoire.

117, 121, 241, 242 Flute/Woodwinds 2 s.h. (each)

124, 125, 224, 225, 314, 315 Violin/Strings 2 s.h. (each)

128, 129, 228, 229, 328, 329 Harp 2 s.h. (each)

132, 133, 231, 232, 363, 364 Brass 2 s.h. (each)

372.1-372.8 Orchestra/Band 2 s.h. (each)

By audition, rehearsal, membership and performance in the Oakway Symphony.

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.

An integrated course with emphasis on baton technique, score reading, and arranging. Lecture 1 hour. Laboratory 2 hours.

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.

225, 256, 355, 356

Voice 2 s.h. (each)

Continuation of 217, 218; more advanced repertoire.

108.1-108.8 Chorale 1 s.h. each term

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.

A practical approach to the fundamentals of good singing technique: support, vowel formation, concepts of resonance. Emphasis is on the establishment of good vocal habits and exercises for the development of the singing and speaking voice.

110 Voice Class II 2 s.h.

Continuation of Voice Class I.

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 of 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 show 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. \$10.00 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. Proof of current nursing licensure in Michigan:

- a. Photocopy of license.
- b. Results of test scores from the State Board of Nursing indicating Michigan License was granted by endorsement.
- c. Resume of professional experience.
- d. Two professional letters of reference; one, from the most current supervisor.
- e. 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 natural 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.
4. Good physical condition adequate to meet professional performance standards.
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 at the end of any semester because of unsatisfactory performance in the theory or practical phases of the program and for inappropriate behavior and/or lack of competence.

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 of past education (CLEP) 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. Registered nurses admitted to the new Episodic/Distributive curriculum sequence must take Nursing 200.
2. Completion of:
 - a. Challenging examinations of upper division nursing, both written and clinical, or the pursuit of those courses, and
 - b. Taking required concurrent upper division science.
3. Begins after:
 - a. Accumulation of 88 semester hours, including

the successfully completed or challenged nursing courses. Registered Nurses may then register for the required senior level nursing offerings. (Registered Nurses may pursue the B.S.N. completely on a part-time schedule.)

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 threaded throughout the sequence of courses: 1. Professionalism; 2. Holistic Man; 3. Health-Illness Continuum; 4. Interpersonal Relations; 5. Growth; 6. Crises Intervention; 7. Agents of Change; 8. Health Delivery System.

IV. CURRICULUM

A. GENERALIST CURRICULUM: 47 s.h. major (Last senior class: 1977-78)

1. Required General Education courses:

Humanities: Philosophy and RST 407

Natural Sciences: CHM 201, 203; BIO 243, 244, 326

Social Sciences: PSY 101, 304; SOC 101, 415

2. Required nursing courses:

Sophomore year: NUR 207, 208

Junior year: NUR 305, 316

Senior year: NUR 415, 447, 451, 472; NUR 482 (Required of R.N.'s, Elective for Basic Students)

B. EPISODIC-DISTRIBUTIVE CURRICULUM: 51 s.h. major (First class 1975-76)

1. Required General Education courses:

Humanities: Philosophy and RST 407

Natural Sciences: CHM 201, 203; BIO 243, 244, 326, 360, 371

Social Sciences: SOC 101, PSY 241, 341

2. Required nursing courses:

Freshman year, Term III: Nursing 200.

Sophomore year: NUR 210, 295, 296

Junior year: Episodic Aspects of Nursing (18 s.h.)

Senior year: NUR 472 and Distributive Aspects of Nursing (10 s.h.)

GENERALIST NURSING CURRICULUM (Last class 1977-78)

207, 208 Nursing Problems

I, II 4, 4 s.h.

Basic elements in a nursing situation including behavior of the patient, reaction of the nurse, and nursing activities viewed from the conceptual framework of the nursing process. Lecture 2 hours, laboratory 6 hours.

305 Medical-Surgical Nursing I

8 s.h.

Development of nursing care analysis based on the problem-oriented nursing process in selected problem models of adult clients utilizing a psycho-physiologic approach. Lecture 4

hours, laboratory 12 hours. Prerequisites: NUR 207, 208.

316 Maternal-Child Health Nursing 8 s.h.

Theory and experiences in understanding the nursing and related needs of parents and children during the childbearing and rearing phases of the life cycle. Lecture 4 hours, laboratory 12 hours. Prerequisites: NUR 207, 208; SOC 304.

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. Lecture 3 hours, laboratory 6 hours. Prerequisite: NUR 316. Concurrent: NUR 447.

447 Community Mental Health Nursing 5 s.h.

Principles and concepts of mental health as applied to self and related to observation and interaction with clients in a mental health facility who display inadequate adjustment patterns. Lecture 3 hours, laboratory 6 hours. Prerequisite: NUR 316; PSY 101.

451 Medical-Surgical Nursing II 8 s.h.

Utilization of nursing process in the identification of psycho-physiologic adaptation of adult clients. Synthesis and integration of community health principles in the care analysis of complex problem models. Lecture 4 hours, laboratory 12 hours. Prerequisites: NUR 305, 316, 447.

472 Leadership Skills 5 s.h.

Designed to help students develop leadership abilities through focus on organizational structures, principles of group dynamics, communication skills,

the change agent role, systems of nursing care assessment, and research methodology. Application of these principles and practices in real situations. Prerequisites: NUR 305, 316, 447, 451.

482 Integrating Seminar 4 s.h.

An 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: NUR 305, 316, 447, 451.

EPISODIC-DISTRIBUTIVE NURSING CURRICULUM (first class 1975-76)

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. Clients are viewed as holistic persons with potential for growth and adaptation and as having needs that cover the full range of the health-illness continuum. Lecture 3

hours, laboratory 6 hours. 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. Lecture 3 hours, laboratory 6 hours. 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. Lecture 3 hours, laboratory 6 hours. Prerequisite: NUR 210.

300 Level* Episodic and Crises Nursing 18 s.h.

Application of the nursing process to increasingly complex situations where family members are experiencing acute psycho-biological stress. Hospitals and crises intervention clinics will serve as clinical laboratories. Prerequisites: 200 Level nursing courses. Concurrent: BIO 371.

400 Level* Public Health Theory and Distributive Aspects of Nursing 10 s.h.

A communitarian approach to core content will be offered, such as health care delivery systems, disease

* In process of development.

prevention and health promotion. Clinical practicums in official and non-official community health agencies will reinforce theory; experiences in employee health, school nursing and clinics offering comprehensive health maintenance care are to provide the support for the expanded functioning of the professional nurse practitioner. Prerequisites: 300 Level nursing courses. Concurrent: BIO 360.

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.

OPERATING ROOM TECHNOLOGY (ORT)

Major (A.S.): 62-64 s.h.

Operating room technicians usually are employed by the hospital and work in the operating room performing a variety of tasks as members of the surgical team.

A sound foundation in chemistry and biology is combined with hospital experience in the two-year Operating Room Technology Program. The program combines theoretical basic courses pursued at the College all five terms, with the 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 111; BIO 243, 244; SCI 101 and two ORT practicums, 115 and 116.

The 18 s.h. course sequence for ORT majors includes the following courses

ORT 101 Medical Terminology (SCI)*	2 s.h.
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 Man 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 Man 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 Man 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 of the light of the life sciences, technology and evolutionary cosmology.

440 Readings in Modern 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)

103, 104 Aquatics I, II 1, 1 s.h.
Beginner through advanced swimming techniques. Offered at the Livonia Family "Y." Laboratory 2 hours.

158, 159 Physical Education Activities I, II 1, 1 s.h.
Skills instruction class, emphasizing carry-over sports, such as badminton, volleyball and skiing. Individual physical skills, team play, rules and game strategy. Laboratory 2 hours.

203.1-203.4 Karate 1 s.h. each
Okinawan Karate stressing self-defense and physical fitness. Laboratory 2 hours.

205, 206 Indoor Tennis I, II 1, 1 s.h.
Emphasis on tennis techniques, strategy, history, rules and etiquette. Laboratory 2 hours.

208 Creative Play and Movement Education (EDU/HEF)* 4 s.h.

217 Advanced First Aid (CJ*/EMT/FPS) 3 s.h.

218 Seminar on Drug Abuse and Overdose (CJ*/FPS/EMT) 2 s.h.

230, 231 Gymnastics I, II 1, 1 s.h.
Basic tumbling and movement exercise; modern dance and ballet techniques; balance beam, vaulting, trampoline routines. Laboratory 2 hours.

PHYSICS (PHY)

Minor: 20 s.h. on consorial arrangement.

100 Introduction to Physics I (FPS)* 3 s.h.

110 Introduction to Physics II (FPS)* 3 s.h.

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: General physics course 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 material 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 cul-

tural 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.

420 Independent Study 2-4 s.h.

An investigation of some specific topic or problem of interest within the area of Polish morphology, literature or culture.

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.

See page 27 of the Madonna College Bulletin, 1976-78 for description of Cooperative Education/Internship opportunities.

**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, 491/492, 499; SOC 422, and an area of specialization.

PSYCHOLOGY (PSY)

Major: In process of development 1976-77

Minor: 20 s.h.

101 General Psychology 4 s.h.

Nature and scope of psychology; perception, learning, motivation, emotions and stress, personality development; conflicts and adjustment.

**241 Human Growth and
Development I
(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.

250 Statistics (MTH/SOC) 4 s.h.

Frequency distribution, measures of central tendency and variability, normal distribution, correlation, regression. Application of statistics to research projects, tests and measurements.

**258 Child Development
Curriculum (HEF) 4 s.h.**

Multi-disciplinary, process-oriented, competency-based program for early childhood teachers emphasizing techniques in analysis, development, evaluation of instructional materials for curriculum adaptation in a practicum setting. Lecture 3 hours, laboratory 2 hours.

**272.1-272.3 Child Care Practicum
and Seminar
(HEF/SOC) 2, 2, 2, s.h.**

Planning, observation and supervised experiences in a nursery or child care center. Lecture 1 hour, laboratory 2 hours.

**307 Psychology of Aging
(SOC) 4 s.h.**

An overview of the psychology of aging; study of personality traits, emotional problems and adjustments common in the process of aging; general psychological theories related to the problems experienced by the aged.

**310 Principles of Speech
and Language Development
(EDU/SED) 4 s.h.**

Language growth from first vocalization to expression of abstract thought as it relates to reasoning, thinking, speaking, reading, writing, spelling; understanding of cultural linguistic patterns.

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.

316 Group Dynamics and Discussion Techniques (SPH)*

4 s.h.

318 Human Behavior and Leadership (BUS*/CJ/EDU)

2-4 s.h.

320 Psychology of Reading (EDU)

4 s.h.

Application of psychological principles to the reading-learning process: methods of teaching developmental reading. Lecture 3 hours, laboratory 2 hours. Prerequisite: PSY 101.

341 Human Growth and Development II

4 s.h.

Basic concepts and principles of growth, development, maturation, learning and personality from adolescence to death. Prerequisite: PSY 241.

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.

350 Psychology of Exceptional Child (EDU/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.

367 Social Psychology (SOC) 4 s.h.

Problems of social behavior; social aspects of personality in group living. Prerequisite: PSY 101.

372 Diagnosis and Remedial Techniques in Reading (EDU*/SED)

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 Practicum in Diagnostic and Prescriptive Techniques (EDU*/SED)

4 s.h.

RADIOLOGIC TECHNOLOGY (RTE)

Major: 50 s.h.

Radiology is a science involving the medical use of X-rays, radium, and radioactive isotopes in the diagnosis and treatment of disease. A radiologist is a physician specializing in this science, and 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.

Pre-Service Program Requirements:

BIO 243, 244, 326; CHM 201, 203; PHY 120, 121; MTH 111, in addition to fulfilling the General Education requirements of the College, and a 24-month hospital internship including 50 s.h. of RTE 301, 302, 310, 311, 401, 402, 410, 411.

301 Radiographic Principles I 7 s.h.

Basic principles of radiographic exposure and related physics. Radiographic anatomy and physiology with correlation to radiographs. Medical terminology and nursing procedures.

302 Radiographic Principles II 5 s.h.

Continuation of basic principles of radiographic exposure and related physics. Radiographic anatomy and physiology. Darkroom principles.

310 Positioning I and Practicum 5 s.h.

Study and demonstration of standard positioning and topographic anatomy and supervised clinical practicum.

311 Positioning II and Practicum 8 s.h.

Continuation of the study and demonstration of standard positioning and topographic anatomy. Supervised clinical practicum.

401 Radiographic Principles III 4 s.h.

Study of principles of specialized radiographic procedures.

402 Radiographic Principles IV 4 s.h.

Introduction to nuclear medicine and radiation therapy with clinical observation. Independent study and research paper.

410 Positioning III and Practicum 8 s.h.

Study and demonstration of specialized radiographic procedures with supervised clinical practicum.

411 Positioning IV and Practicum 9 s.h.

Supervised practical experience of basic and special procedures.

In-Service Program Requirements:

In-service certified radiologic technologists from community colleges and approved hospitals may complete their studies for the Bachelor of Science degree at Madonna College.

Certified radiologic technology students from community colleges and those from non-collegiate programs may establish 32 credits by qualifying examinations or credit transfer and must earn a minimum of 12 semester hours of courses in Business, Education, or advanced courses in Radiologic Technology including RTE 375, 471, independent studies and seminars.

Credit in the following courses is established on the basis of examination only:

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 the principles of radiographic exposure, factors effecting radiographic quality, with a correlation to X-ray technique 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 topo-

graphic 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:

375 Personnel Management in Hospital Departments (BUS) 4 s.h.

Historical aspects, induction and evolution of the personnel department; the functional organizational structure of the institution or health care complex, integration of supportive and specialty departments and their interrelationships and dependency. Utilization of staff skills and development potential.

260, 390, 460 Independent Studies in Radiologic Technology 1-4 s.h.

471 Seminar in Management 2-4 s.h.

Emphasis on a department of radiology including budgeting and cost control. Introduction of newest concepts in equipment with practical application.

Note: Most Allied Health careers require a concentration in natural Sciences.

RELIGIOUS STUDIES (RST)

Major: 30-52 s.h., including a balanced selection of courses in the biblical, doctrinal and moral areas.

Students interested in religious education ministry are required to enroll in RST 470 and 491.

Majors are also encouraged to plan a program of supportive courses and/or a minor related to their interests and future ministries, e.g., in education, psychology, sociology, journalism, business administration, music, languages.

Minor: 20 s.h. to be selected in consultation with the adviser.

Courses 345, 347 and 470 are designed basically within the Catholic tradition; other courses are non-denominational in approach and of general human interest.

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
10 s.h. Supportive Courses

Associate of Arts Degree — 60 s.h.
30 s.h. Religious Studies
30 s.h. General Education Requirements

Bachelor of Arts Degree — 120 s.h.
30-52 s.h. Religious Studies
46-58 s.h. General Education Requirement
20-30 s.h. Supportives or a Minor Electives

260 Introduction to Scripture (HUM) 2-4 s.h.

The literary nature, the message and the major themes of the Old and New Testaments.

261 The Old Testament (HUM) 4 s.h.

Introduction to the literature, personalities and main religious themes of the Old Testament.

262 The New Testament (HUM) 4 s.h.

Introduction to the New Testament writings seen as emerging from the history and belief of the primitive Christian community.

320 Theology of Man (HUM) 4 s.h.

Man in the light of biblical revelation and Christian tradition in dialogue with philosophy and psychology, including creation and original sin, personal sin, redemption and grace, the meaning and destiny of man.

333 Introduction to Christianity (HUM) 4 s.h.

A survey of the principal doctrines of Christianity from the perspective of contemporary ecumenical theology.

340 Person and Mission of Christ (HUM) 4 s.h.

The mystery of Jesus; his identity as God-Man and his work as Redeemer; reflections based on Scripture, Church history and contemporary thought; Christ and the modern man.

345 The Church 4 s.h.

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 saving actions of the Risen Christ celebrated in sign and

ritual by the Christian 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 today's society.

410 Conscience and Values (HUM) 4 s.h.

Conscience in the light of different views on man and morality; the search for Judeo-Christian human values; the formation of conscience and the art of decision-making.

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

Psychological, theological and faith aspects of death and application of those in life situations with dying persons and their families.

422 Christian Awareness (HUM) 4 s.h.

The full Christian response to God's call to man; the contemporary Christian and his relation to Christ, prayer, human encounters and service in the world.

445 World Religions (HUM) 4 s.h.

The major religions of the world; their historical development, basic doctrines, 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.

485 Parish Religious Education**Program****3-4 s.h.**

General introduction to principles and practices characterizing an effective religious education program in a parish; role of the coordinator and catechist instructor; resources on the parish, diocesan and national levels.

491 Religious Education**Practicum****4-8 s.h.**

Directed field experience in religious education.

Note: 1. Some courses in Religious Studies are indicated as HUM (Humanities) for purposes of registration. However, there is no special section in the Bulletin or schedule printed separately as "Humanities."

2. 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

SCIENCE

Minor: 24 s.h. including a combination of science courses from the natural science area.

101 Medical Terminology**(ORT)****2 s.h.**

Basic understanding of medical vocabulary and its use.

111 Man's Scientific World 4 s.h.

A description of the nature and behavior of man in his physical world. Integration of selected concepts of biology, chemistry, earth science, physics and mathematics. Specifically designed for non-science majors and elementary school teachers. Lecture 3 hours, laboratory 3 hours.

112 Environmental Problems 4 s.h.

Principles of basic ecological factors related to environmental problems of pollution, population control, pesticides, land resources and environmental management. Lecture 3 hours, laboratory 3 hours.

113 Health Problems (HEF) 4 s.h.

A biological approach to health and disease in man. The study of drugs, smoking, alcohol, venereal disease, sex education, nutrition and heredity. Lecture 3 hours, laboratory 3 hours.

203 Introduction to Life Chemistry (BIO/CHM)* 4 s.h.**333 Pharmacology (EMT)* 2 s.h.**

360 Epidemiology (BIO*/CHM) 3 s.h.

371 Pathophysiology (BIO)* 3 s.h.

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

SOCIAL WORK (SW)

Major: 36 s.h. including 221, 232, 233, 234, 236, 453 or PSY 316, 476, 477.

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.

221 Social Problems (SOC) 4 s.h.

Social and physical disorganization including poverty and unemployment, crime and delinquency, race relations, population.

232 Social Welfare as an Institution (SOC) 4 s.h.

A 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.

234 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.

236 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.

332 Child Welfare (SOC) 4 s.h.

Historical, social and legislative aspects of child welfare programs. Examines current types of problems, treatment and approaches.

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 (SOC) 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)

Sociology Major: 30 s.h., including 101, 367, 442, 452.

Sociology Minor: 20 s.h., including 101, 221.

Social Science Group Major, Sociology Core: 16 s.h. including 101.

GERONTOLOGY

Gerontology Major: 30 s.h., including ART 301; HEF 242; PSY 307; SOC 222, 307, 314, 415, 430, 476.

Gerontology Minor: 24 s.h., including ART 301; HEF 242; PSY 307; SOC 222, 314, 415, 430.

The Gerontology program provides students with opportunities for rendering services to aging in a variety of paraprofessional, pre-professional, or professional positions as that of nurses, nurses' aides, dietitians, environmental health aides, teachers, case workers, or counselors.

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.

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.

218 Child Development and Guidance (HEF/PSY)* 4 s.h.

221 Social Problems (SW)* 4 s.h.

222 Nursing Care of the Aged 2 s.h.

The study of basic nursing skills for the care of the aged at home; physiological and psychological changes common in aging; an awareness of role changes, social changes and adjustments required with aging.

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.

234 Introduction to Social Work (SW)* 4 s.h.

235 Probation and Parole (CJ)* 3 s.h.

236 Social Work Practice (SW)* 4 s.h.

250 Statistics (MTH/PSY)* 4 s.h.

265 Criminal Law (CJ)* 3 s.h.

272.1-272.3 Child Care Practicum and Seminar (HEF/PSY)* 2, 2, 2 s.h.

280, 281 Community Corrections I, II (CJ) 3, 3 s.h.

Introduction to the role of the community in the rehabilitation of youthful offenders with a supervised practicum. (Two semesters)

305 Criminal Procedure (CJ)* 3 s.h.

307 Psychology of Aging (PSY)* 4 s.h.

314 Educational Gerontology 4 s.h.
A focus on the potential of the aged, exploring attitudes and stereo-

types regarding the learning and changing educational needs of the older adult. Emphasis on the need for educating persons of all ages about the process of aging and the unique problems of the aged.

- 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.**
- 332 Child Welfare (SW)* 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.**
- 401 Crime Prevention and Police Community Relations (CJ)* 3 s.h.**
- 415 Social Gerontology 4.h.**
Biological and psychological changes of aging; the impact of aging upon individuals and society; an awareness and knowledge of socio-economic problems of the aged.

- 418 Narcotics Institute (CJ)* 3 s.h.**

- 430 Seminar on Aging 4 s.h.**
Series of lectures by authorities in the field of gerontology. Topics include: physiology, psychology and sociology of aging; physical, spiritual and mental health; nutritional needs of the elderly; finance management; social service programs; preparation for death.

- 442 Urban Sociology 4 s.h.**
Patterns, structures, functions, and problems of urban communities.

- 452 History of Social Thought 4 s.h.**
Development of sociological theory from the earliest civilizations to the present century. Emphasis on contemporary trends in the United States.

- 453 Group Process in Social Work Settings (SW)* 4 s.h.**

- 460 Readings in Sociology 4 s.h.**
Directed readings of current literature in the various fields of sociology for analysis of social phenomena.

- 476, 477 Field Experience and Seminar I, II (SW) 6, 6 s.h.**
Professionally supervised practical experience in social agencies including gerontological settings. Group discussions, use of actual case material, reports on selected reading.

SPANISH (SPA)

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

420 Independent Study

2-4 s.h.

Investigation of some specific topic or problem of interest to the student within the area of Spanish morphology, literature, or culture.

**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, 341.

105 Speech Arts and Forms 4 s.h.

Basic forms and methods of the related but distinct techniques of platform speaking, parliamentary practice, oral interpretation and dramatic orientation. Emphasis on effective communication of thought, acquiring poise before an audience and artistic appreciation of legitimate theatre.

221 Manual Communication: AMESLAN I (ITC*/SED) (American Sign Language) 3 s.h.

222 Intermediate Sign Language (ITC*/SED) 3 s.h.

300 Children's Literature and Drama (ENG)* 4 s.h.

305 Public Speaking (JRN) 3 s.h.

Development of public speaking skills, solving problems of stage fright, voice projection. Emphasis on speech composition, expository, extemporaneous speaking and group discussion techniques.

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 1-4 s.h.

Basic forms and methods of expression, including voice production and diction; development of individual talents in the related but distinct techniques of 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.

405 Practical Theatre 4 s.h.

Technical phases of play production including construction, painting, placement and manipulation of stage scenery, lighting, costume design and makeup. An examination of the directorial image in the modern theatre and the director's relationship to the play, the players and the audience. Culmination: a series of workshop scenes and one-act plays directed by the class. Lecture 1 hour, laboratory 6 hours.

415 Film Appreciation (ENG)* 4 s.h.

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

MADONNA COLLEGE CALENDAR

TERM I — FALL

Final registration.	Aug. 4, 5
Faculty conference.	Sept. 2, 3
Classes begin	Sept. 7
Final date: filing graduation intent — Term I	Sept. 7
Add-drop period	Sept. 7-14
Comprehensive Examinations — Term I	Oct. 23
Final date: election S/U grade	Oct. 26
Registration: Term II — Winter	Nov. 15-20
Thanksgiving recess.	Nov. 25-27
Classes resume.	Nov. 29
Final date: withdrawal from courses	Dec. 11
Final examinations	Dec. 13-18
End of Term I	Dec. 18
Grades due	Dec. 22

1976-1977

Aug. 4, 5
Sept. 2, 3
Sept. 7
Sept. 7
Sept. 7-14
Oct. 23
Oct. 26
Nov. 15-20
Nov. 25-27
Nov. 29
Dec. 11
Dec. 13-18
Dec. 18
Dec. 22

1977-1978

Aug. 2, 3
Sept. 1, 2
Sept. 6
Sept. 6
Sept. 6-13
Oct. 22
Oct. 25
Nov. 14-19
Nov. 24-26
Nov. 28
Dec. 10
Dec. 12-17
Dec. 17
Dec. 21

1978-1979

Aug. 1, 2
Aug. 31, Sept. 1
Sept. 5
Sept. 5
Sept. 5-12
Oct. 21
Oct. 24
Nov. 13-18
Nov. 23-25
Nov. 27
Dec. 9
Dec. 11-16
Dec. 16
Dec. 20

TERM II — WINTER

Final registration.	Jan. 5
Faculty conference.	Jan. 6
Classes begin	Jan. 10
Final date: filing graduation intent — Term II	Jan. 10
Add-drop period	Jan. 10-17
Comprehensive examinations — Term II	Jan. 29
Final date: election S/U grade	Feb. 28
Spring vacation.	Mar. 7-11
Classes resume.	Mar. 12
Registration: Term III — Spring-Summer	Mar. 14-19
Easter recess.	Apr. 8, 9
Classes resume.	Apr. 11
Registration: Term I — Fall	Apr. 11-16
Final date: withdrawal from courses	Apr. 23
Final examinations	Apr. 25-30
End of Term II	Apr. 30
Grades due	May 4
Commencement.	May 7

1976-1977

Jan. 5
Jan. 6
Jan. 10
Jan. 10
Jan. 10-17
Jan. 29
Feb. 28
Mar. 7-11
Mar. 12
Mar. 14-19
Apr. 8, 9
Apr. 11
Apr. 11-16
Apr. 23
Apr. 25-30
Apr. 30
May 4
May 7

1977-1978

Jan. 4
Jan. 5
Jan. 9
Jan. 9
Jan. 9-16
Jan. 28
Feb. 27
Mar. 6-10
Mar. 11
Mar. 13-18
Mar. 24, 25
Mar. 27
Apr. 10-15
Apr. 22
Apr. 24-29
Apr. 29
May 3
May 6

1978-1979

Jan. 3
Jan. 4
Jan. 8
Jan. 8
Jan. 8-15
Jan. 27
Feb. 26
Mar. 5-9
Mar. 10
Mar. 12-17
Apr. 13, 14
Apr. 16
Apr. 16-21
Apr. 21
Apr. 23-28
Apr. 28
May 2
May 5

TERM III — SPRING-SUMMER

(MODULAR SCHEDULING)

Registration: Term III	Mar. 14-19
Classes begin	May 3
Final date: filing graduation intent — Term III	May 3
Memorial Day Holiday	May 30
Classes resume	May 31
Comprehensive examinations — Term III	June 4
Independence Day Holiday	July 4
Classes resume	July 5
End of Term III	July 25
Grades due	July 28

1976-1977

Mar. 14-19
May 3
May 3
May 30
May 31
June 4
July 4
July 5
July 25
July 28

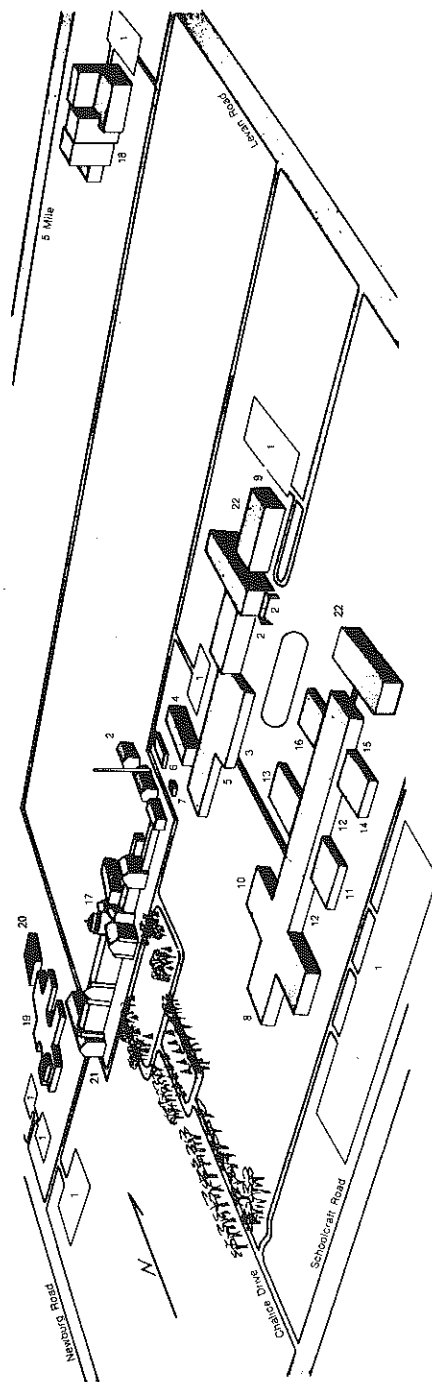
1977-1978

Mar. 13-18
May 2
May 2
May 29
May 30
June 3
July 3
July 4
July 25
July 28

1978-1979

Mar. 12-17
May 1
May 1
May 28
May 29
June 2
July 4
July 5
July 25
July 28

Add-drop for Term III on 1st and 2nd class meeting only. Withdrawal from course(s) must be official in registrar's office.

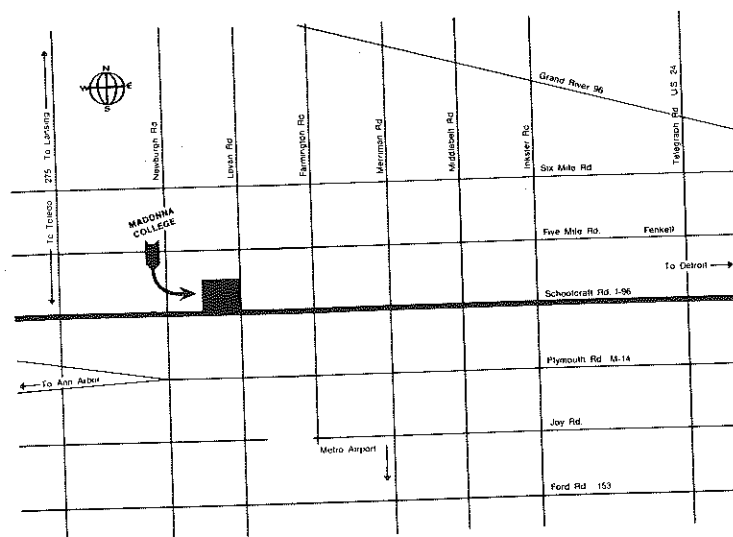


MADONNA COLLEGE CAMPUS MAP

- | | | | |
|---------------------------------|---|--|------------------------------------|
| 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/DayCare |
| 6. Clergy Motel | | | 22. Gymnasium |

MADONNA COLLEGE
36600 SCHOOLCRAFT
LIVONIA, MICHIGAN 48150

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LOCATION MAP • MADONNA COLLEGE