

Historical Copy
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A black and white photograph showing five people standing in front of a large, arched window with multiple panes. From left to right: a man in a light-colored shirt and dark pants, a person in a dark jacket, a woman in a patterned sweater, a person in a dark jacket, and a woman in a light-colored shirt and dark pants. They are all looking towards the camera.

Madonna College

BULLETIN 1974-76

MADONNA COLLEGE BULLETIN

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

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

THE CAMPUS

Madonna College is located on a forty-nine acre campus in Livonia, Michigan, a fast-growing suburb of Detroit. The campus faces Schoolcraft Road, currently under reconstruction as a leg of the I-96 Jeffries Freeway with easy access to downtown Detroit and to important state highways.

The College facilities consist of a modern complex of residence and academic buildings completed in greater part in 1964.

A two-story multi-purpose academic building houses administrative offices, classrooms, laboratories and centers for psycho-educational services, instructional materials, audio-visual equipment, and developmental reading.

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 a large number of study carrels and is equipped with a photocopier, microfilm and microfiche readers, and tape and record listening equipment.

A new Activities Center was added to the academic structure in 1971. Built to seat 1,000, it provides facilities for gymnastic activities, stage productions, convocations, and lectures.

The residence halls provide private and semi-private rooms for women 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 provide a pleasant view for recreation time and relaxation.

APPROVALS AND ACCREDITATIONS

State of Michigan Board of Education
Michigan Board of Nursing
North Central Association of Colleges and Secondary Schools
National League for Nursing
National Council for Accreditation of Teacher Education

MEMBERSHIPS

American Alumni Council
American Association of Colleges for Teacher Education
American Association of Collegiate Registrars and Admissions Officers
American Association of University Women
American Council on Education
American Library Association
Association of American Colleges
Association of Governing Boards
Association of Independent Colleges and Universities of Michigan
Catholic Library Association
Council for the Advancement of Small Colleges
Detroit Area Consortium of Catholic Colleges
Michigan Academy of Arts and Sciences
Michigan Colleges Foundation
National Catholic Education Association
National Commission on Accrediting
National League for Nursing

STATEMENT OF PURPOSE

As a Christian institution, Madonna College is a community of scholars who witness Christ to the world by their pursuit of truth and commitment to the service of mankind. In an atmosphere of freedom, the faculty and students learn from each other and are stimulated to the highest level of intellectual inquiry. Together they seek out the relevance of the Christian message and its solutions to the problems that confront the modern man. Through a spirit of comradeship and open dialogue, the students draw wisdom and perspective from the faculty who in turn are inspired by the idealism of youth.

As a Catholic college, Madonna encompasses a total community with a vision toward bridging the chasms that separate modern men from each other and from God. A microcosm of American pluralistic society — Madonna College creates an environment that fosters the spirit of ecumenism.

Within the framework of a liberal arts curriculum Madonna College aims to educate the whole person in the attainment of Christian humanistic values and the realization of service to others.

Christian Values

The Christian element adds to the world of humanistic culture and service the dimension of faith and an integrated vision of the total reality of God, man, and the universe. Madonna College seeks to foster within its community Christian wisdom in response to God's self-revelation. To encourage the student to stretch his experience beyond the confining limits of his own short lifetime, the College provides an environment to:

Grow in the knowledge and intelligent appreciation of the Christian faith through a study of the Scriptures, the teachings of the Church, and its liturgico-sacramental life as an encounter with the risen Christ.

Become aware of the Church as a vital community of the people of God and a sacrament of salvation to all mankind.

Gain a clearer insight into Christian moral principles and their practical application to personal, familial, and societal living.

Appraise their churches honestly and help reform them in ways that will reflect not only the authentic tradition of the past but also the demands of the present and hopes for the future.

Develop a sympathetic understanding of all religions and their congruence with Christ.

Humanistic Values

Realizing and perfecting "the whole man" by the pursuit of truth and goodness should be a primary objective of a liberal arts college. With this in mind, Madonna College seeks to provide a milieu in which the student can pursue the following humanistic endeavors:

Learn and appreciate the cultural heritage of mankind in the arts and sciences.

Learn to think clearly and communicate effectively in actions as well as words.

Discover that learning is a lifelong process and seek the ability to pursue it independently.

Become free from ignorance, fear, prejudice, and passion, in order to make possible a direction of will under reflective intelligence.

Develop a keen sensitivity to human feelings, and the talent to express them meaningfully.

ADMISSIONS

Social Values

Social consciousness and an active concern for the human dignity and welfare of each person should be the hallmark of educated Christians. They should seek to share in the "joys and hopes, and griefs and anxieties of men of this age, especially those who are poor or in any way afflicted . . ." (*Church in the Modern World*). Hence, Madonna College faculty and students strive together to:

Become informed about the needs of contemporary society and intellectually and professionally equipped to serve these needs.

Consider family life as the most important social unit of a healthy nation and prepare for one's contribution to its welfare.

Build careers in terms of service to humanity consonant with one's abilities and predispositions.

Foster a sense of brotherhood that triumphs over prejudice and urges one to work for justice and liberty for all.

Exercise intelligent leadership and a sense of responsibility in the endeavors of the various communities of which one is a member — familial, civic, educational, religious and other.

The Madonna College community seeks to influence and guide the formation of Christian persons who have an inquiring, tolerant, and liberal personality, who can face uncertainty and ambiguity without disorientation, and who can formulate creative ways to meet changes in their environment.

Madonna College welcomes students of all age levels who have diverse 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 character, interests, and talents that will enable them to contribute to and benefit from the life and programs at the College.

A broad range of criteria is used in determining the individual student's capacity to enjoy a successful academic experience at the College.

APPLICATION PROCEDURE

Applicants seeking admission to Madonna College should submit the following items to the Director of Admissions:

1. Completed application blank.
2. High school transcript or GED results indicating satisfactory performance in high school subjects and evidence of academic potential (required of students attending college for the first time).

or

Official transcript(s) from college(s) and/or institution(s) attended with a minimum grade point average of 2.0.

Students interested in the nursing program must have a 2.5 GPA and should have completed one year of high school biology and chemistry; those in allied health programs, high school chemistry. (Admission to nursing, see p. 33).

3. \$10.00 non-refundable application fee.

4. Medical report of a complete physical examination, chest X-ray and immunization against smallpox, tetanus and poliomyelitis.
5. SAT, ACT or other test results if available. ACT results required of nursing students.
6. Application for financial assistance, if needed.
7. The College reserves the right to require additional personal information and evidence of academic proficiency.

Candidates are strongly encouraged to visit the campus to discuss plans for college with the administration and faculty.

Note: High school students may submit applications in the second semester of their junior year.

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.

Depending on circumstances and reasonable assurance of such student's enrolling for a certificate or degree program at the College, the Admissions Office may grant provisional acceptance (admission) to students, even if admission information is incomplete at the time. This qualifies them for financial aids and waives the recording fee at registration.

EARLY ADMISSION OF HIGH SCHOOL STUDENTS

- a. High school students possessing exceptional mental ability, emotional maturity, superior preparation for college, and who have completed their junior year may be granted admission to the freshman class at Madonna College without completing their high school senior year.

An unqualified recommendation from the high school principal must accompany the application indicating that the student has a scholastic

standing of 3.0 or better. A personal interview is required prior to admission.

- b. High school students who have shown above-average talent for academic subjects may enroll in various General Education courses at Madonna College as early as their high school junior year. It is thus possible for the student to work for college credits while concurrently completing high school graduation requirements. The student can conveniently earn a maximum of 18 credits this way, reducing considerably the time required to complete a bachelor's degree.

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 college. 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.

Prior to transferring to Madonna College, a student should make an appointment with the director or chairman in the area of his concentration. The final determination of acceptable transfer credits is made by the Office of the Dean.

GRADUATES WITH ASSOCIATE DEGREES

Madonna College is pleased to provide educational opportunities to graduates of community colleges who have earned associate degrees and are interested in pursuing a bachelor's degree. 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 MACRAO agreement. A literature course is also required for a bachelor's degree. If the transfer credits do not include courses in Religious Studies, the student is required to take 8 semester hours in keeping with the philosophy of the College.

Students beyond sophomore standing may not earn credit in two-year institutions for transfer to Madonna College.

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. The College welcomes all persons who wish to study part time or return to study later in life. 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. At Madonna College a maximum of 60 semester hours of credit may be earned in this manner.

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

Candidates from other areas of specialization, e.g., law enforcement officers, may receive 9-12 semester hours for on-the-job field experience and for related knowledge.

Awarding of credit for external study, experience, and professional training is determined by each academic department. A personal interview with the director of a specific program is recommended.

INTERNATIONAL STUDENTS

An international student is 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, the student 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.

An applicant to Madonna College who is a graduate of a foreign high school must have academic preparation equivalent to that required of eligible U.S. high school graduates. Only applicants with promise of academic success are admitted.

The Director of Admissions notifies the Immigration Office of the applicant's admission to the College.

VETERANS

Madonna College is approved for the training of veterans of the military services and their dependents under educational assistance programs established by the federal government. An Office of Veterans Affairs provides assistance to those desiring to initiate or continue their college education at Madonna College.

The College conducts an individualized tutorial assistance program for veterans who have a marked deficiency in a subject required as part of, prerequisite to, or indispensable for the satisfactory pursuit of their approved program 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 Registrar's Office or from the Veterans Administration offices. Form VA 22-1990 is for first-time college students; Form VA 22-1995 for students transferring from another college.

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.

STUDENT LIFE

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.

The student who returns 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 be invalid 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 these applicants who must satisfy the following prerequisites during the summer session after their high school graduation or in the first semester of their freshman college year:

1. Successful completion of the Developmental Reading course (2 credits).
2. Satisfactory grades for courses pursued, including English 101.

Qualified admission implies that the student will carry a maximum of 13 hours during the first term and will be subject to all regulations of the College concerning continuation at the institution.

Madonna College endeavors to make student life a pleasant and enriching experience for all. To this end it promotes out-of-class involvement as an integral and vital part of the total educational experience of each student. It encourages extra-academic participation on the campus and in the larger community to help each individual develop more fully an awareness of those qualities associated with the liberally educated person.

ORGANIZATIONS

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

Student involvement in the committees which help formulate guidelines for academic, cultural and social programs is vital to the best interests of the College and the students. Students serve on the following faculty standing committees: Admissions and Scholarships, Curriculum and Educational Policy, Library, Student Affairs, Teacher Education, Cultural Affairs, Campus Ministry, and Social Action. The student president of the Student Congress also serves as a voting member of the Board of Trustees.

Also functioning at the College are various clubs, committees, and chapters organized on the basis of voluntary membership. These organizations contribute to the development of leadership qualities and provide outlets for individual talents. Existing at present on campus are the following groups: Athletic Club, Chorale, Delta Beta Chi (Science and Math), Home Economics and Family Life Club, Library Club, Paletteers, Press Club, Public Affairs Club, Pub-

lic Relations Club, Sigma Alpha Nu (Nursing), Social Action Club, Student Teachers Association, and campus chapters of the national honor societies: Kappa Gamma Pi (National Catholic Women's Honor Society), Lambda Iota Tau (Literary), and Alpha Nu Gamma (Foreign Languages).

These clubs foster co-curricular and extra-curricular activities both on and off the campus. Members are encouraged to engage in voluntary apostolic and social action, such as religious education instruction, the tutorial programs, visiting the elderly and convalescent, acquainting other students with issues of public concern, or week-end and summer projects in the inner city or in the poverty areas of the country.

ENRICHMENT OPPORTUNITIES

Interested students can seek expression in the campus newspaper, THE MADONNA HERALD, and those with creative writing abilities in the literary magazine, THE LANTERNE. Acting abilities and interests find expression in the fall and spring dramatic productions. An annual spring art exhibit adds to the numerous cultural activities sponsored on campus while providing Madonna's budding "artists" an opportunity to display their latest creations. The Chorale which is open to all students permits students to share the joy of singing together and to present programs to the public.

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, inter-collegiate dialogs, 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, as a suburb of Detroit, provides opportunities for the students to participate in the cultural, educational and social resources of the metropolitan area: concerts, conventions, lectures, stage performances, and exhibits.

STUDENT SERVICES

For spiritual enrichment the College provides opportunities for daily liturgical celebrations and religious counseling. Students are actively engaged in planning activities which help to make faith a living and integral part of their lives. Campus activities are supplemented by those of the various denominational churches in the immediate vicinity.

In addition to the academic advisor who helps plan the program of studies, each student has access to counselors who strive to promote personal growth and development as well as assist in times of stress and need.

Health services may be obtained at St. Mary Hospital located on the premises. Each student is encouraged to have a medical insurance policy, and is responsible for all medical bills incurred because of illness or accident.

RESIDENCE HALL

Madonna College maintains a Residence Hall for women students. Both room and board are provided as part of the residence contract. Applications are made through the Business Office after admission.

HANDBOOKS

A Residence Hall Handbook provides guidelines which strive to insure a proper regard for the privacy of the individual and the welfare of all the residents.

The Student Handbook provides guidelines for campus life and activities. These guidelines strive to enable each student to be active in the total life of the campus community and at the same time be aware of his rights and responsibilities in this regard. Respect for each other and honesty in personal and academic matters are fostered. The possession and consumption of alcoholic beverages are not allowed anywhere on the campus.

ALUMNI

All graduates are invited to become members of the Madonna College Alumni Association which en-

courages alumni to keep close affiliation with and to support their Alma Mater. Alumni provide services, recruitment assistance, and funds for College projects including the Annual Alumni Fund for college development.

ACADEMIC ADVISING

Each student is encouraged to develop a plan of studies that will meet professional requirements and at the same time promote personal abilities, interests and needs. To assist in the attainment of this goal,

each student is assigned a faculty member who will serve as an academic advisor. Advisors are usually faculty members from the student's major area of concentration. Initial advising assignment as well as future changes are made by the Director of Student Activities.

Students are encouraged to meet with their academic advisor a few times each term to discuss progress during that term as well as future plans. Each student is required to confer with the academic advisor before registration to have his program for the term approved.



FINANCIAL AID

Madonna College provides financial assistance to admitted students whose personal and family resources are inadequate to meet the educational costs at Madonna College. For such students, selected on the basis of academic promise and need, scholarships, work opportunities, grants and loan funds are available. Need is defined as the difference between expected parental contribution and the student's college expenses, as determined by a complete financial analysis.

APPLICATION PROCEDURES

Applications for financial assistance are handled by the Office of Financial Aids.

The application consists of:

1. The *Madonna College Financial Aid Application* to be completed by the student and submitted to the Financial Aids Office.
2. The *Parents' Confidential Statement (PCS)* for dependent students to be completed by parents or guardians, or the *Student's 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 on them. Madonna College should be designated on the forms as one of the recipients of the CSS Financial Need Analysis Report.
3. A personal interview with the Director of Financial Aids.

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; other students annually by May 1. Notices of award are mailed to all applicants by the end of July. Late applicants are considered if funds are available.

GRANTS (Non-repayable monies)

Federal Grants

Students with exceptional financial need, who demonstrate academic potential will be considered for possible awarding of 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) for a student. Recipients of either SEOG or NSG funds are required to match the grant amount from other sources.

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 assure consideration for a tuition grant of up to \$1,200. Request forms for applications may be obtained from the Madonna College Financial Aids Office or by writing directly to the Michigan Department of Education, Box 420, Lansing, Michigan 48902. All Michigan students who seek financial aid at Madonna College should apply for a State Tuition Grant or the State Scholarship in order to be considered for other forms of assistance administered by the College.

President's Scholarship Grant

Madonna College offers its students the President's Scholarship Grant (PSG) to help cover the tuition cost for credits earned under the CREDIT BY EXAMINATION policy. The grant does not include the service fee of \$25 for each course that is challenged.

The terms are:

1. Applicant must be admitted to Madonna College.

2. The student who transfers to another college before graduation must refund to Madonna College the PSG funds that have been awarded to him.

Application procedure:

1. Seek admission to Madonna College by filing an application with the Office of Admissions. Only admitted students are entitled to receive PSG's.
2. Request a President's Scholarship Grant application form for each course which will be challenged. After completion, submit the form to the Registrar. Notice of the examination date and time will be mailed to the student by the examiner. CLEP and departmental examinations are administered on the third Saturday of the month. Results of the examination will be mailed to the student.

Law Enforcement Education Program Grant (LEEP)

LEEP funds provide educational opportunities to students currently employed full-time in the criminal justice field. Two types of financial aid are available under LEEP:

1. Grants not exceeding \$400 per semester for full-time or part-time pursuance of degree-credit courses related and useful in law enforcement.
2. Loans not exceeding \$1,800 per academic year for full-time study toward a certificate, associate or higher degrees in areas directly related to and required in criminal justice.

A LEEP application (LEAA 3610/3) may be obtained from the Office of the Registrar or that of Financial Aids.

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. In-

terested 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 those 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, financially needy, 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 amount of any Madonna College Scholarship received.

The following institutional scholarships are available:

The Mother Mary DeSales Scholarship -- Established in 1947 in memory of Mother Mary De Sales, Chairman of the first Board of Trustees of the Presentation Junior College, precursor of Madonna College.

The Frank J. and Josephine Svoboda Scholarship -- Established in 1962 by a gift of \$2,500 by Robert L. Svoboda as a memorial to his parents. The annual interest earned is awarded to a student pursuing art or journalism.

The Anton Jakobs Scholarship -- Established in 1968 in honor of Anton Jakobs, a member of the Madonna College Advisory Board, to recognize his contributions to the labor movement and to the promotion of higher education at the College.

The Rudolf R. Kleinert Scholarship -- Established in 1968 in honor of Rudolf R. Kleinert, a member of the Madonna College Advisory Board, to recognize his dedicated public service, loyal support of Catholic higher education, and the inspiration of his personal life.

The St. Mary Hospital Scholarship — Established in 1969 as a tribute to St. Mary Hospital, Livonia, Michigan, in recognition of the educational opportunities provided to Madonna College nursing students. Awarded to nursing students.

The Nancy E. Tanger Scholarship — Established in 1969 in honor of Nancy E. Tanger in recognition of her personal service as teacher and principal in the Plymouth School System and as coordinator of student teachers at Madonna College and first-year graduates engaged in teaching. Awarded to prospective teachers.

The Mayor Edward H. McNamara Scholarship — Established in 1972 to recognize his dedication to public service, especially as a Councilman and Mayor of Livonia, as well as his loyal support of education and the integrity of his personal life.

The following privately funded scholarships are also available:

The Alvin M. Bentley Foundation Scholarship — Established in 1962; awarded to a Michigan high school graduate. The amount of this scholarship is presently \$750.

The Amalgamated Meat Cutters and Butchers Workmen of North America Scholarship — Two annual scholarships established in 1967 by AFL — CIO Locals 539 and 26.

The Kowalski Sausage Company Scholarship — An annual scholarship established in 1967.

The Honorary Society of the American Legion Scholarships — Two annual scholarships established by Voiture 1002 in 1972 and awarded to nursing students.

LOANS (Repayable monies)

Qualified full-time (12 s.h. or more) and half-time (6-11 s.h.) students may borrow limited amounts from the following federal sources:

National Direct Student Loan (NDSL)

An applicant may be eligible to borrow up to \$2,500 for the first two years; \$5,000 for the

bachelor's 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)

An eligible nursing student 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

This loan is available only to Michigan residents. The loan program is administered by the State of Michigan primarily for students who cannot qualify for other loans on the basis of financial need.

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 \$1,500 per year.

Applications are available from participating banks in Michigan willing to make student loans. 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 (517) 373-0760.

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

Knights of Columbus Loan

The loan is available to students attending an accredited college and who are related to a Knights of Columbus member. The terms of the loan regarding amount and repayment are exactly those of the Michigan Guaranteed Loan. Maximum award is \$1,500 per year for 5 years; repayment begins 9 months after graduation and may be extended over a period of ten years with an interest rate of 7%. The interest is accrued beginning the day the loan is disbursed. However, the student may apply for federal interest benefits. Additional information and loan application may be obtained by writing to: Knights of Columbus Loan, P.O. Box 1670, New Haven, Conn. 06507.

Note: Under the Higher Education Amendments of 1972, every student is required to present a notarized affidavit of educational purpose when applying for any of the loans listed above.

PART-TIME EMPLOYMENT (Earned monies)

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

College Work-Study Program (CWSP)

Students may help defray their college expenses through employment under federally supported Work-Study Programs on campus in College offices, laboratories, libraries, and other areas, as off-campus jobs with non-profit public and/or private agencies.

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 Financial Aids Office.

SUPPLEMENTAL TYPES OF FINANCIAL ASSISTANCE (Non-repayable monies)

Army Student Nurse Program and Navy Corps Candidate Program

Undergraduate students who are in the last 12 or 24 months of their nursing program may qualify for assistance under this plan. Stipends and other benefits constitute the subsidy. Upon graduation, the nurses are obligated to two or three years of active duty with the Army/Navy Nurse Corps, the length of service being dependent upon the period of subsidy. Information may be obtained from any local United States Army or Navy Recruiting Office.

Michigan Vocational Rehabilitation

The Division of Vocational Rehabilitation provides rehabilitative services to vocationally handicapped individuals and financial assistance for educational programs. Eligible Michigan citizens should contact the Office of the State of Michigan Division of Vocational Rehabilitation serving the student's home area.

Veteran's Educational Assistance

Veterans who served on active duty for at least 181 days, some part after January 31, 1955, or if less than 181 days, have been discharged or released for a service-connected disability are eligible for educational assistance (Federal Public Law 89-358).

The law grants a monthly allowance to help veterans meet in part the cost of subsistence, tuition, fees, books, supplies and equipment and other costs 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 Registrar or from the Veterans Administration Office, 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 age 22 provided the dependent is attending 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 Business Office in writing or by calling 425-8000, Extension 18.

Checks should be made payable to MADONNA COLLEGE.

TUITION	\$35.00 per s.h.
AUDIT FEE	35.00 per s.h.
GENERAL FEE (non-refundable)	2.00 per s.h.

SPECIAL FEES

Application (non-refundable)	\$10.00
Recording service (special students) per term	3.00
Room reservation (non-refundable)	25.00
Advance full-time nursing enrollment deposit	50.00

All full-time students entering the Madonna College nursing program are required to pay the advance enrollment deposit of \$50.00. The payment is the student's guarantee of his 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 Business Office that the fee has been paid.

Early or late registration	5.00
Change in registration	2.00
Transcript of credits	1.00
Parking assessment per term	2.00
Returned check penalty (per check)	3.00
Student insurance (optional)	50.00

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)

Art	105 Visual Arts in 2-D	5.00
	207 Creative Design and Color	5.00
	301 Art for the Aging	10.00
	305 Lettering	5.00
	345 Printmaking	10.00
	360 Advertising Design	10.00
	401 Screen Process Printing	10.00
	408 Ceramics	15.00
Biology	409 Sculpture	5.00
	103-104 General Biology	15.00
	202 Human Anatomy	20.00
	301 Genetics	15.00
	317 Invertebrate Zoology	10.00
	326 Microbiology	22.00
	101 Introduction to General Chemistry	15.00
	201 Inorganic Chemistry	20.00
Chemistry	202 Chemical Dynamics	15.00
	203 Introduction to Life Chemistry	20.00
	271 Organic Chemistry	20.00
	323 Analytical Chemistry	20.00
	334 Organic Chemistry	18.00
	401 Life Chemistry I (BIO/SCI)	20.00
	402 Life Chemistry II (BIO/SCI)	20.00
Criminal Justice	412 Organized Crime Institute	5.00
	418 Narcotics Institute	5.00
Economics	372 Principles of Economics	2.00
Education	200 Introduction to Professional Experiences	2.00
	312 Education Learning and Growth Patterns	2.00
	320 Psychology of Reading (PSY)	7.00
	372 Diagnosis and Remedial Techniques	2.00
	411, 419 Methods and Media	15.00
	451- 469 Methods and Media	15.00
	470 Directed Teaching (6 s.h.)	60.00
English	485 Reading Practicum	2.00
	100 Developmental Reading	5.00
	300 Children's Literature and Drama	3.00
	415 Film Appreciation (SPH)	5.00
French	101 Elementary Programmed French	5.00
	102 Elementary Programmed French	5.00
	223 Intermediate French	5.00
	224 Intermediate French	5.00

French (continued)	357, 358	French Literature	3.00
	362	French Linguistics	5.00
Geography	301	World Regional Geography	1.00
History	101	World Problems (PSC)	3.00
	341	Minority Groups in America	1.00
	463	Emerging Nations.	1.00
	470	Cooperative Study Experiences	3.00
Home Economics	108	Textiles	12.00
	225	Nutrition	10.00
	236	Clothing Selection and Construction	18.00
	321	Meal Management	26.00
	427	Home Management: Commuters Residents	50.00 20.00
Journalism	313	Fundamental Photography	15.00
Mathematics	100	Developmental Mathematics	5.00
	245	Fundamentals of Computer Science	25.00
	345	Advanced Computer Science	25.00
Music	102	Music Through the Ages	1.00
	108	Chorale	4.00
	113	through 354 Piano, Organ, Voice (1 private lesson per week) per term.	75.00
	421, 422	Instrumental Techniques	25.00
Nursing	207	Nursing Problems I	19.00
	208	Nursing Problems II	16.00
	305	Medical-Surgical Nursing	38.00
	316	Maternal and Child Health Nursing.	35.00
	415	Community Health Nursing.	39.00
	447	Community Mental Health Nursing.	14.00
	451	Medical-Surgical Nursing II	37.00
	472	Leadership Skills	12.00
Physical Education	482	Intergrating Seminar.	5.00
		Non-Credit	20.00
Physics	101	General Physics	15.00
	102	General Physics	15.00
Polish	101	Elementary Polish	5.00
	223, 224	Intermediate Polish	5.00

Political Science	251 American Government	1.00
Psychology	350 Psychology of the Exceptional Child (EDU)	2.00
Religious Studies	407 Moral Principles	2.00
	410 Conscience and Values	2.00
	485 Parish Religious Education Program	2.00
Science	111 Man's Scientific World.	10.00
	112 Environmental Problems	10.00
	113 Health Problems (HEF)	10.00
Sociology	280 Community Corrections (CJ).	5.00
	415 Social Gerontology.	5.00
	476 Field Experience and Seminar	30.00
Spanish	101 Elementary Programmed Spanish	5.00
	102 Elementary Programmed Spanish	5.00
	223 Intermediate Spanish	5.00
	224 Intermediate Spanish	5.00
	311 Oral and Written Composition	3.00
	362 Spanish Linguistics	5.00
Speech	105 Speech Arts and Forms	3.00
	341-342 Acting Techniques	5.00
	351 Television Production Techniques	15.00
	405 Practical Theatre	10.00
Credit by Examination (See PSG, p. 10)		\$35.00 per s.h.
Service Fee		25.00 per course
Other Examinations		Vary
Room	Semi-private (non-refundable).	\$475.00 per year
	Private (non-refundable)	650.00 per year
	Room per night	3.00
Board (non-refundable)		625.00 per year
Students living in the College residence hall are required to take their meals in the College dining hall. No refunds will be made for occasional or week-end absences. .		
Key Rental Deposit		\$ 1.00
Room Damage Deposit		25.00

PAYMENT OF BILLS:

All tuition and fees are payable in the Business Office. The student invoice reflects the total charges for each term. Financial aid checks and/or vouchers are applied toward student tuition and fees at the time of their endorsement by the student. The total bill is payable in advance at the beginning of each term; however not necessarily on the registration day. Only by special arrangement with the BUSINESS OFFICE, students may make payments in two installments: Seventy-five percent — before the opening day of each term; balance — by mid term.

A service charge of 5% will be added should default be made in the deferred payment.

Financial accounts must be paid in full in order to:

- | | |
|--|------------------------------------|
| a. Pursue courses for the next term | c. Claim a degree |
| b. Receive the grade report for the term | d. Obtain a transcript of credits. |

REFUNDS

Tuition

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 the campus for any reason, including illness of either one's self or family member, but must be initiated by the student in the Registrar's Office in person or by calling or writing. The effective date of withdrawal is the date the Registrar receives notification from the student. A student who leaves the College without withdrawing properly forfeits any refund.

Refund Schedule for Terms I and II:

Complete withdrawal during the registration period before the opening session of the term	100% less \$5.00
Complete withdrawal after registration before classes commence	90%
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:

Refunds for complete withdrawal during Term III will be equated to the duration of Term I and II.

Other Fees such as: General Fee, Course Fees and Special Fees are not refundable.

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 30.

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

Adjustment of Fees

If the adding or dropping of courses changes the total number of credits in which the student is enrolled, an adjustment of fees is made during the official Drop and/or Add Period the first week of school. Adjustments are initiated by the students on the Change Card form in the Registrar's office. No tuition and fee refunds will be made after the close of the Drop and/or Add Period.

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: veterans, consorial, guest, non-credit, credit by examination and identification cards.

All students must register on the days specified in the college calendar. For unscheduled registration a fee of \$5 will be charged. No one may register for a course later than the beginning of the second week of a semester. Necessary changes in registration, including withdrawal from a course, must be made through the Registrar's Office with the consent of the Dean and the instructor concerned. The service charge for a change in registration is \$2. The student who drops a course without the consent of the Dean automatically fails the course.

CLASSIFICATION OF STUDENTS

Status	Semester hours earned	Point average necessary to continue college work
Freshman	0 - 24	1.6
Sophomore	25 - 57	2.0
Junior	58 - 87	2.0
Senior	88 -	2.0

STUDENT LOAD

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

COURSES OF INSTRUCTION

Courses with numbers from 100-299 are lower division courses, intended primarily for freshmen and sophomores. Courses with numbers from 300-499 are upper division courses, intended primarily for juniors and seniors.

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 registration is insufficient.*

ATTENDANCE

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

INTERPRETATION OF GRADES

A — Exceptional — 4 honor points per s.h.

Represents outstanding achievement and carries four times as many quality points as semester credits.

It implies that the student:

- consistently exceeds average requirements,
- is always alert, active and makes original and pertinent contributions to class discussions and gives evidence of well-developed critical attitude and sound judgment,
- is prompt and neat in his assignments; uses excellent diction and has extensive vocabulary showing good command of English and mastery of the subject,
- reads widely and works 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 — Above Average — 3 honor points per s.h.

Represents work which is decidedly above average and carries three times as many quality points as semester credits.

It implies that the student:

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

C — Satisfactory — 2 honor points per s.h.

Represents work which is good, that is, such as is performed by an average student. It carries twice as many quality points as semester credits.

It implies that the student:

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

D — Poor but Passing — 1 honor point per s.h.

Represents work which is below average. It carries as many quality points as semester credits.

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. is irregular in attendance,
- e. seldom or never participates in class discussion and only gives irregular answers when detailed questions are directed by the instructor or other students.

NC — No Credit — 0 honor points

Designates work which is poor and unsatisfactory; the student must repeat the course to gain credit.

S/NC — Satisfactory, No Credit — 0 honor points

Except for specifically designated S/NC courses open to all students, only juniors and seniors may elect in each semester one course for which will be granted the usual academic credit with a designation of S/NC but without any quality points. The policies governing such markings are:

- a. The courses for S/NC marking must not be required courses for the major, minor or professional programs,
- b. The student may elect the conventional or the S/NC grading system at the Registrar's Office on a specified date in the school calendar,
- c. The instructor will issue conventional grades for the student's course work which will be converted to S or NC on his academic record,
- d. S/NC 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.

- e. Students who receive two or more NC grades in one term will be placed on probation.

W – Withdrew

Withdrawal without permission will be recorded as NC.

Aud – Audit

Change from credit to audit or withdrawal from a course may be made with the Dean's and instructor's approval at any time prior to the last week of the school term.

I – Incomplete

A grade of I automatically becomes NC if not removed within a six week time limit.

Note:

1. NC, W, and S are not considered in determining grade point average.
2. A student may repeat a course if his original grade was D or NC and thereby raise his grade point average. A student is allowed to repeat each course only once, except upon approval of petition.
3. Only a grade of C or better is applicable towards a major or a professional program.
4. The College reserves the right to request a student's withdrawal from a program because of unsatisfactory performance in the theory or in the practical phases of that program, or 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 semester 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 and maintain a grade point average of 3.5 or better during a semester merit first honors on the Dean's List; 3.25 - 3.49, second honors. Students with a cumulative point average of 3.25 or better for credits earned at Madonna College are cited for academic honors at the annual Honors Convocation.

DEGREES WITH DISTINCTION

Degrees with honors are conferred on the basis of seven semesters.

With Honors, quality point average of 3.5

With High Honors, quality point average of 3.7

With Highest Honors, quality point average of 3.9.

EXAMINATIONS AND GRADE REPORTS

Final examinations are administered at the end of each semester. 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 semester is forwarded to each student.

NOTICE OF INTENT TO GRADUATE

Each student who plans to earn a Bachelor's Degree, an Associate Degree, or a Certificate of Achievement must file an appropriate notice with the Registrar at the beginning of the semester in which he plans to finish his 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 ceremony is held at the end of each year. Students receiving Degrees or Certificates of Achievement are expected to participate in Commencement ceremonies.

ACADEMIC OPPORTUNITIES

THE CALENDAR

The College has a tri-term calendar, which provides the student with the opportunity to complete his 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

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 Academic Dean.

Madonna College provides ambitious junior and senior high school students with an opportunity to accelerate their education. They can pursue 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.

High school students pay \$10 per college credit.

CREDIT BY EXAMINATION

CLEP EXAMINATIONS:

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. Most 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	Hematology
American Government	History of American Education
American History	Human Growth and Development
American Literature	Immunohematology
Analysis and Interpretation of Literature	Introduction to Business Management
Biology	Introductory Accounting
Clinical Chemistry	Introductory Business Law
College Algebra	Introductory Calculus
College Algebra-Trigonometry	Introductory Economics
Computers and Data Processing	Introductory Marketing
Educational Psychology	Introductory Sociology
Elementary Computer Programming-Fortran IV	Microbiology
English Composition	Money and Banking
English Literature	Statistics
Freshman English	Tests and Measurements
General Chemistry	Trigonometry
General Psychology	Western Civilization
Geology	

1. Thirty hours of credit may be granted on the basis of the College 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 who earned a grade of C in a regular college course in the subject.
3. Formal application for CLEP credit will be accepted by the College only when the individual enrolls 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 the student.
6. In some areas, particularly the sciences and technical areas, the College will expect the applicant to demonstrate adequate laboratory skills and clinical/field work experience.
7. The transcript of the student who has been awarded CLEP credit will carry the notation that credit was granted by examination.
8. Forms for the challenging or CLEP examinations may be obtained from the Registrar's office.
9. Proficiency examinations are administered the third Saturday of each month at Madonna College. In order to establish credit equivalency by examination, students must receive examination results and must be evaluated prior to registration.
CleP tests require approximately three months for processing.
10. Madonna College offers President's Scholarship Grants (PSG) to students who wish to earn credit by examination for previously acquired knowledge and competencies.
11. Credit also may be awarded for satisfactory performance on approved departmental challenging examinations, as biology and English.

INDEPENDENT STUDY

A student may earn one to four credits for independent study in any particular field with the approval of the Dean and a faculty member of the department in which the study is pursued. The aim of independent study is to provide the student with an opportunity to investigate and explore in depth some specific area of interest. Guidelines for independent study are available from each faculty member. 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 primarily 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, one student working full time for a specified time and then returning to school, while his alternate takes his place for the same length of time.

Non-alternate student plan assigns only one student to each job and allows him to work for the whole period of the cooperative course. Under the cooperative plan the student combines actual working experience with his college studies. It may relieve him of a long apprentice program following graduation. The course numbers for cooperative education are: 191, 192, 291, 292, 391, 392, 491, 492.

INTERNSHIP OR PRACTICUM ARRANGEMENT

Allied health, business, journalism, 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.

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 and Seminaries. The other schools are Duns Scotus College, Maryglade 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 student at any of the participating schools may take one or more courses at other Consortium schools 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 a student satisfying the above criteria wishes to take a course at another Consortium school, he should first obtain an official authorization form from his own Registrar, fill it out, and have it validated. He must then present the completed authorization form to the Registrar of the school at which he plans to take the additional work and then follow local registration procedures as explained at that time.
2. Tuition is paid to the home institution. Special laboratory and/or studio fees are paid directly to the host school. The Madonna student may also be requested to pay a tuition differential in some instances.
3. If a student should later find it necessary to drop a course taken on the above basis, he must comply with the deadlines of his home school and must officially inform the Dean of his home school of his decision.
4. The authority to limit the total number of courses which Madonna's 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.

AIR FORCE AND ARMY ROTC

Madonna College has a cross-enrollment agreement permitting students to register in the ROTC and AFROTC at the University of Detroit.

PLAN OF STUDY

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

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

DEGREES

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

The College awards a Certificate of Achievement and/or a degree to a candidate who has successfully completed an existing program or a planned program of studies approved by the Dean and who has 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's degrees at the College.

Associate degree requirements

- a. 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.

- b. 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 advisor.

- c. 30-32 semester hours in General Education:

Humanities 16 s.h.

- | | |
|------------------------------|--------|
| Religious Studies | 4 s.h. |
| *Communication Skills | 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.

- | | |
|----------------|--------|
| Psychology | 4 s.h. |
| World Problems | |
| or Equivalent | 4 s.h. |

- d. Electives (some may be applicable toward a major or supportive courses).
- e. *Proficiency in the use of the written, oral, listening 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, the student is required to take 8 semester hours in that area, 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:

- a. 46-48 semester hours in General Education:

Humanities 24 s.h.

Religious Studies 8 s.h.

Literature 4 s.h.

*Communication Skills 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.

Psychology 4 s.h.

World Problems or

Equivalent 4 s.h.

Other 8 s.h.

- b. 30-52 semester hours in a major field of study with an overall grade point average of 2.0 or better.
- c. Electives (some may be applicable toward a major or supportive courses).
- d. Successful passing of the comprehensives.

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

f. 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 period of time necessary for graduation may arrange for a conference with the Dean. Appropriate adjustments will be made upon the recommendation of the faculty advisor.

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	X			X		X
Administration						
Chemistry	X	X				X
Child Development (Nursery and Day Care Centers)	X		X	X		X
Communication Arts	X	X		X	X	
Criminal Justice	X					
Law Enforcement, Corrections,			X	X		X
Evidence Technology,			X	X		X
Crime Laboratory Technology, Criminalistics				X		X
Dietetics Technology	X			X		
** Engineering						X
English	X	X			X	
English-Journalism	X	X			X	
English-Speech	X	X			X	
Family Life		X				
Fire Protection and Occupational Safety	X		X	X		X
*French	X	X			X	
Gerontology (Aging)	X	X	X	X	X	
Graphic Arts	X		X	X		X
History	X	X			X	
Home Economics (Food Technology)	X	X				X
Home Economics and Family Life	X	X				X
Journalism		X				
Latin		X				
Life Sciences for Allied Health	X			X		

	Areas of Concentration and/or Majors	Minors	Certificate of Achievement	Associate Degree — A.D.	Bachelor Degree	
					B.A.	B.S.
Mathematics	X	X		X	X	
Medical Technology	X					X
Music Education	X	X			X	
Natural Sciences	X	X				X
Nursing	X					X
Operating Room Technology	X			X		
*Physics		X				
Polish		X				
Political Science		X				
Pre-Professional						
Dentistry						X
Law						X
Medicine						X
Psychology		X				
Public Relations	X			X	X	
Radiologic Technology	X					X
Religious Studies	X	X	X	X	X	
Social Sciences	X	X		X	X	
Social Welfare	X			X	X	
Sociology	X	X			X	
*Spanish	X	X			X	
Speech		X				

Education Program, page 36.

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

** Consortial arrangement with University of Detroit.

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

STRUCTURED PROGRAMS

ALLIED HEALTH EDUCATION

Dietetic Technology

A two-year associate degree program offers training to prepare the student to serve as a dietetic technician in either a hospital or commercial setting. Home economics courses are emphasized and supported by two terms of chemistry. Practical experience is included during the second year.

Medical Technology

A medical technologist assists the physician to provide specialized care to the patients by carrying out a variety of laboratory tests for the purposes of diagnosis.

Madonna College offers two Bachelor of Science degree programs to prepare medical technologists. A student interested in a medical technology career follows a carefully planned program of 90 semester hours, including prescribed science courses, with a grade point average of 2.5 and successfully completes a full-year internship in an approved hospital of medical technology, or he earns a Bachelor of Science degree (120 s.h.) with a major in Biology-Chemistry or Natural Sciences and after graduation is on a year's internship.

The student is eligible after the internship to take the examination administered by the Board of Registry of the American Society of Clinical Pathologists, and upon passing it qualifies as a registered medical technologist.

Operating Room Technology

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 the student to serve as an operating room technician.

The student is accepted into the program upon successfully completing 34 s.h. of required courses,

including Chemistry 201, 203; English 101, Mathematics 111, Biology 202, Science 101, and 2 ORT practicums.

Radiologic Technology

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 his technical assistant. He is trained to make radiographic examinations, coordinate technical procedures, assist radiologists with treatments, process X-ray films and do special research.

Madonna College is the only institution in Michigan that offers a Bachelor of Science degree in the field of Radiologic Technology. It accepts two types of students into its program: pre-service career students and in-service registered radiologic technologists.

1. The curriculum for pre-service students is designed to prepare them for a career in X-ray technology. The program consists of approximately two and one-half years of college study and 22 months of hospital training. To obtain a Bachelor of Science degree the students must complete 78-80 semester hours in General Education and required science courses and 22 months of study and work in a hospital offering a program in X-ray technology (approved by the Council on Medical Education and the American Medical Association in collaboration with the Commission on Technical Affairs of the American College of Radiology).

After the student has satisfactorily completed the academic requirements at Madonna College and the clinical and academic requirements at the affiliated hospital, he will receive a certificate of completion from the hospital and the degree of Bachelor of Science in Radiologic Technology from the College. He is then eligible to take the examination of the American Registry of Radiologic Technologists, an organization that provides certification as a qualified medical radiologic technologist.

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

All certified radiologic technologists must complete a major of 42 semester hours as a degree requirement; X-ray technologists from non-collegiate basic Radiologic Technology program, up to 32 semester hours. Certified radiologic technology students from community colleges and those from non-collegiate programs, who have credits established by qualifying examinations, must earn a minimum of 12 semester hours of advanced courses in Radiologic Technology, Business, or Education at Madonna College.

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

RTE 110 Radiography I 5 s.h.

Medical terminology, nursing and protection, darkroom chemistry and techniques.

RTE 115 Principles of Radiographic Exposure 5 s.h.

Study of the principles of radiographic exposure, factors affecting radiographic quality, with a correlation to X-Ray technique as applied in the radiographic suite.

RTE 150 Radiobiology 5 s.h.

Structure and function of the human body; special emphasis on skeletal anatomy with integration of topographic anatomy and radiographic appearance.

RTE 200 Radiographic Positioning 5 s.h.

Study and demonstration of standard and special radiographic positioning and topographic anatomy.

RTE 250 Radiologic Physics 5 s.h.

Electricity, radiation, production of X-Rays and theory of ionizing radiation.

RTE 300 Clinical Practicum 7 s.h.

Supervised practical experience in radiographic examination with periodic evaluation of radiographs produced.

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

CHILD DEVELOPMENT PROGRAM

Students who have an interest and desire to work with young children are afforded career mobility through the following postsecondary educational opportunities:

1. A Certificate of Achievement in Child Development is awarded to students upon the completion of a year's program in day care centers, nursery schools, Head Start, and kindergarten. In addition to 30 semester hours of courses in Child Development and basic education, a minimum of 100 hours of field experience is required.

2. The Associate Degree program is designed for students who plan to enter the field of child care as associates or directors of child care centers. Through General Education and special courses amounting to 60 semester hours, the students learn to work effectively as members of professional child development teams.

Students study the phases of child development, the handling of groups of young children, parent-child relationships, and the problems of exceptional children. Through observation and participation the student will develop techniques in such activities as art, music, storytelling, and language development. A minimum of 200 hours of field experience in several types of institutions is also required.

Upon completion of the Associate degree, students may transfer into the Bachelor of Science degree program to continue early childhood education and to obtain provisional certification on the elementary level.

3. The Bachelor of Science degree program in Child Development prepares the student for teaching, staff and/or administrative positions in nursery school, kindergarten, and primary grades. It incorporates the standards of the State of Michigan Department of Social Service, and the competencies defined by the Office of Child Development.

The program includes courses in Child Development, Education, Psychology and Home Economics and Family, and the professional courses required for a Michigan Elementary Provisional Teaching Certificate.

Careful planning of course sequence for this program is necessary early in the student's college life. A detailed description of the Child Development program may be obtained from the Education or the Home Economics and Family departments.

CRIMINAL JUSTICE

Plans A, B, C, and D

The Criminal Justice Program affords educational opportunities to the in-service professional as well as to the pre-service career person in law enforcement, corrections, and courts.

The career-ladder approach allows for upward mobility commencing with the 30 semester-hour Certificate of Achievement program and progressing to the 60 semester-hour Associate degree and/or to the 120 semester-hour Bachelor degree.

A unique feature of the program is the possibility for in-service personnel to establish a maximum of 9 semester hours of credit for acquired knowledge, training, and field experience:

1. 3 semester hours (CJ 301) for the successful completion of the mandated basic training curriculum in a Michigan Regional Police Academy or equivalent training.
2. 3 semester hours (CJ 302) for one year full-time experience in the area of law enforcement, corrections, or courts.
3. 3 semester hours (CJ 102) by examination for other acquired knowledge and training and field experience in the criminal justice system and process.

Key:

- C — Certificate
- A — Associate Degree
- B — Bachelor Degree

PLAN A — CRIMINAL JUSTICE

I. Core Courses

- CAB 102 Introduction to Criminal Justice
- CAB 201 Criminal Justice Organization and Administration
- CAB 265 Criminal Law
- AB 321 Basic Principles of Criminology and Juvenile Delinquency
- B 495 Criminal Justice Seminar

II. Area of Specialization

- A. Law Enforcement
 - B 211 Law Enforcement Administration
 - CAB 305 Criminal Procedure
 - CAB 311 Criminal Investigation

- B 401 Crime Prevention and Police Community Relations

B. Corrections

- B 231 Correctional Justice Organization and Administration
- CAB 355 Contemporary Correctional Methods
- CAB 235 Probation and Parole
- B 331 Correctional Security

C. Jailer Specialist (In connection with the Michigan Department of Corrections)

- CAB 212 Correctional Regulations
- AB 216 First Aid
- CAB 231 Correctional Justice Organization and Administration
- AB 235 Probation and Parole
- AB 300 Basic Training in Corrections
- CAB 303 Jail Operations
- CAB 304 Jail Administration
- B 331 Correctional Security

III. Supportive Courses

- CAB ENG 200 Technical Report Writing
- B PSC 251 American Government
- B SOC 322 Race Relations in American Life
- or
- SOC 442 Urban Sociology
- CAB SOC 342 Deviant Behavior
- AB SOC 221 Social Problems
- or
- SOC 367 Social Psychology

IV. Electives

- CAB 213 Traffic Operations and Administration
- CAB 301 Basic Police Training
- CAB 302 Field Experience
- CAB 405 Constitutional Law
- CAB 412 Organized Crime Institute
- CAB 418 Narcotics Institute
- CAB 365 Delinquency Prevention and Control
- CAB 303 Jail Operations
- CAB 304 Jail Administration
- CAB 216 First Aid
- CAB 217 Advanced First Aid
- CAB 218 Drug Overdose Aid

PLAN B – EVIDENCE TECHNOLOGY

I. Criminal Justice Courses

- CAB 102 Introduction to Criminal Justice
- CAB 265 Criminal Law
- CAB 305 Criminal Procedure
- CAB 311 Criminal Investigation
- CAB 314 Evidence Technician
 - B 375 Criminalistics I
 - B 376 Criminalistics II
- AB 423 Homicide Investigation
- B 495 Seminar

II. Supportive Courses

- CAB ENG 200 Technical Report Writing
- B JRN 313 Photography
- AB Natural Sciences/Mathematics 6-8 s.h.
- B PSC 251 American Government
- B SOC 221 Social Problems
 - or
 - SOC 367 Social Psychology
- B SOC 322 Race Relations in American Life
 - or
 - SOC 442 Urban Sociology
- AB SOC 342 Deviant Behavior

III. Electives

- CAB Science/Math/Computer Science courses strongly recommended
- CAB Other Criminal Justice/Social Science courses

PLAN C – CRIME LABORATORY TECHNOLOGY

I. Criminal Justice Courses

- AB 102 Introduction to Criminal Justice
- AB 265 Criminal Law
- AB 305 Criminal Procedure
- AB 311 Criminal Investigation
- AB 375 Criminalistics I
- AB 376 Criminalistics II
- AB 423 Homicide Investigation
- B 470 Crime Laboratory Internship I

II. Supportive Courses

- AB ENG 200 Technical Report Writing
- AB JRN 313 Photography
- AB BIO 103, 104 General Biology
 - or
 - BIO 202 Human Anatomy

- AB BIO 326 Microbiology
- AB CHM 201 Inorganic Chemistry
- AB CHM 202 Chemical Dynamics (Qualitative Analysis)
 - B CHM 271 Organic Chemistry I
 - B CHM 323 Analytical Chemistry
- B MTH 111 Algebra with Trigonometry
 - or
 - MTH 245 Fundamentals of Computer Science
- B PHY 101, 102 General Physics
- B PSC 251 American Government
- B SOC 221 Social Problems
 - or
 - SOC 367 Social Psychology
- or
- SOC 322 Race Relations in American Life
 - or
 - SOC 442 Urban Sociology
- B SOC 342 Deviant Behavior

III. Electives

- AB Science/Mathematics/Computer Science courses strongly recommended
- AB Other Criminal Justice/Social Science courses

PLAN D – CRIMINALISTICS

I. Criminal Justice Courses

- B 102 Introduction to Criminal Justice
- B 265 Criminal Law
- B 305 Criminal Procedure
- B 311 Criminal Investigation
- B 375 Criminalistics I
- B 376 Criminalistics II
- B 423 Homicide Investigation
- B 470 Crime Laboratory Internship I
- B 471 Crime Laboratory Internship II

II. Supportive Courses

- B ENG 200 Technical Report Writing
- B JRN 313 Photography
- B BIO 103, 104 General Biology
 - or
 - BIO 202 Human Anatomy
- B BIO 326 Microbiology
- B CHM 201 Inorganic Chemistry
- B CHM 202 Chemical Dynamics (Qualitative Analysis)
 - B CHM 271 Organic Chemistry I

- B CHM 323 Analytical Chemistry
- B CHM 334 Organic Chemistry II
- B CHM 353, 354 Physical Chemistry
- B CHM 401, 402 Life Chemistry I, II
- B MTH 111 Algebra with Trigonometry
- B PHY 101, 102 General Physics
- B PSC 251 American Government
- B SOC 342 Deviant Behavior
- B SOC 221 Social Problems
- or
- SOC 367 Social Psychology
- or
- SOC 322 Race Relations in American Life
- or
- SOC 442 Urban Sociology

III. Electives

- B Science/Mathematics/Computer Science courses strongly recommended
- B Other Criminal Justice/Social Science courses strongly recommended

FIVE-YEAR ENGINEERING PROGRAM

This program affords the student the opportunity to earn a bachelor degree from Madonna College in addition to a Bachelor of Engineering degree from the University of Detroit. It is expected that students in this program will spend approximately the first three years of full-time study at Madonna College. After the second year, students may combine academic training and cooperative training through industry in a year-round educational effort. The pursuit of courses through the Catholic College Consortium is an integral part of the program.

The courses required while at Madonna College include the following:

Chemistry	8 s.h.
Mathematics	16 s.h.
Physics	8 s.h.
English	8 s.h.
Humanities and Social Sciences	18 s.h.

In addition, the specific degree requirements of each institution must be met.

GERONTOLOGY (Aging)

Madonna College is the first institution in Michigan to offer a Certificate of Achievement and an

Associate and a Bachelor's degree in the field of geriatrics. The aim of the program is both educational and functional. It is meant to foster healthy attitudes toward the problem of aging and to train personnel for service to the senior members of society.

The program provides students with opportunities for rendering services 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.

The core courses in Gerontology include Social Gerontology, Seminar on Aging, Care of the Aging, Nutrition, Dietetics, and Art for the Aging.)

Field experience or a cooperative education arrangement is combined with the theoretical portion of the program. Under professional supervision students observe and then offer directed services in various institutions, centers, or other facilities for the aging, as in the homes for the aged, senior activity centers, housing developments.

The College provides a system of proficiency examinations by which a person on the job may demonstrate learning acquired through some means other than enrollment in a course. After admission to the College, individuals serving older persons may receive credit for in-service experience and for knowledge acquired in the field of gerontology.

GRAPHIC ARTS

Graphic designers solve problems of communication through visual means. The interdisciplinary program in Graphic Arts affords interested students the opportunity to join their ranks. Through courses largely in Art and Journalism, the student acquires theoretical and experiential knowledge in typography, book layout, design, composition, symbols, trademarks, platemaking, and photography.

Cooperative education arrangements and/or practicums provide for diversified experiences for the acquisition and enhancement of skills and knowledge in natural on-the-job settings, such as print shops, book binderies, photographic studios, and companies excelling in modern facilities, equipment, and workmanship.

The Graphic Arts major leads to a Certificate of Achievement, Associate degree, and Bachelor of Arts degree.

LIFE SCIENCES

A candidate for an Associate degree in the Life Sciences for an Allied Health career must complete a minimum of 62 semester hours with at least twice the number of honor points. The 62 semester hours of completed course work include transfer credit as well as credit earned at Madonna College through course completion or by advanced placement through the College Level Examination Programs and others approved by the department.

The 62 semester hours include completing 32 semester hours of Life Sciences and supportive courses and a General Education requirement of 30 semester hours.

NURSING

The College offers a four-year Nursing program leading to the Bachelor of Science degree. The program was accredited by the National League for Nursing in 1970.

Students in the Nursing program pursue 47 semester hours in the major and earn a Bachelor of Science degree. Full admission to the program is granted upon the fulfillment of the following requirements:

1. Completion of 32 semester hours with C or better in Chemistry 201, Biology 202 and Chemistry 203. (Satisfactory performance on all NLN examinations in order to be admitted and retained in the program.)
2. A grade-point average of 2.5 or better. (This average must be maintained until graduation. Only a grade of C or better is acceptable towards courses in nursing and supportive areas, such as microbiology, gerontology.)
3. Proficiency in communication skills.
4. Evidence of personal integrity, emotional stability, social competence, and a positive attitude.
5. Participation in Sigma Alpha Nu (Nursing Club).
6. Good physical condition—vision, hearing, general health.

The College reserves the right to refuse admission to the professional courses to any student with deficiencies in the above requirements. Sixty (60) students based on the highest grade-point average and

personal qualifications will be admitted annually as determined by the nursing faculty.

The College also reserves the right to request a student's withdrawal from a program at the end of any semester because of unsatisfactory performance in the theory or practical phases of the program and for other reasons related to the profession, such as inappropriate behavior and a lack of competencies.

The Nursing major is a carefully planned program comprised of specific nursing courses and supporting courses in the natural and social sciences.

Registered nurses are afforded an opportunity to earn a Bachelor of Science degree with a major in Nursing. At the time of admission to the College, the registered nurse student is provisionally admitted to the Nursing program. He must then meet the specified requirements which allow him to pursue upper division courses in Nursing.

A maximum of 33 credits can be established by qualifying examinations, excluding the Integrating Seminar (4 semester hours), Community Mental Health Nursing (5 semester hours), and Nursing Leadership Skills (5 semester hours). These are required of all registered nurse students and are pursued in the senior year.

PRE-PROFESSIONAL PROGRAMS

Madonna College offers programs designed as preparation for medicine, dentistry and law.

Preparation for 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.	Biology	8
Physics	8	Mathematics	8

Member institutions of the Association of American Medical Colleges specify these courses as minimum preparation for admission. Most, however, recommend additional courses. The premedical student is therefore advised to become familiar with the exact requirements of the school(s) to which applications will be made.

Preparation for Dentistry

The basic requirements for admission to most dental schools are the same as those for admission to

medical schools. The special courses, however, vary with each school. It is recommended, therefore, that the prospective dental student acquaint himself with the requirements of the school which he plans to enter.

Preparation for 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.

PUBLIC RELATIONS

The Public Relations program leads to an Associate and/or a Bachelor of Arts degree, with an area of concentration in journalism.

Students receive additional editorial and public relations skills through their work on student publications and participation in either the cooperative education program or related practicum off or on campus. Attention is focused on communications and principles of public relations.

REAL ESTATE MANAGEMENT

Madonna College is currently formulating a two-year associate degree program in Real Estate Management.

This program will be designed to assist both the novice in real estate, as well as those persons already in the field who wish to add to their professional knowledge.

As currently anticipated (subject to change), to earn an associate degree in Real Estate Management, it will be necessary to complete the following courses:

- ENG 101 Communication Skills
- SCI A Science Elective
- BUS 201 Introductory Accounting I
- PSY 101 General Psychology
- BUS 301 Principles of Marketing
- BUS 302 Organization and Management
- ECN 372 Principles of Economics
- BUS 200 Technical Report Writing
- SPH 316 Group Dynamics
- ART 102/MUSIC 102
- RES 200 Basic Real Estate
- RES 201 Real Estate Appraisal I
- RES 202 Real Estate Appraisal II

- RES 301 Real Estate Business I
- RES 302 Real Estate Business II
- RES 315 Real Estate Finance
- RES 331 Real Estate Law

RELIGIOUS STUDIES

A flexible program has been designed in Religious Studies to meet the varying needs of prospective or in-service teachers of religion, religious education coordinators, catechists, instructors of catechists, religion journalists, or persons interested in other church-related ministries.

With the help of an advisor a student will select a balanced program of courses leading to a major in Religious Studies and in supportive courses or a minor in fields most related to future needs, e.g. Education, Sociology, Psychology, Business Administration, Journalism, Music, Languages.

The Religious Studies program may be pursued for a Certificate of Achievement, Associate of Arts degree, or a Bachelor of Arts degree, with credits from a lower level applicable to a higher one.

SOCIAL WELFARE

The Social Welfare program at Madonna College is broadly interdisciplinary and leads to an Associate and/or Bachelor of Arts degree. It prepares students to understand and appreciate traditions of the varied cultural and ethnic groups in American society and assists them to achieve skills in analyzing, interpreting, and relating this material to social issues.

The program readies students for employment in social welfare positions, for graduate professional social work education, and contributes to the enrichment of general education.

TEACHER EDUCATION

The Teacher Education programs of Madonna College are designed and approved to prepare students for teaching and for provisional certification in elementary and secondary schools and for K-12 certification in Art and Music.

Dual Certification

Students may also obtain an elementary-secondary provisional certificate provided they meet the requirements for both certificates.

Admission to Teacher Education

A student desiring to pursue the program in Teacher Education is expected to take the following steps:

1. At the time of application to the College, declare intention to prepare for the profession of teacher, either on the elementary or secondary level.
2. During the second semester of the sophomore year apply for admission to the Teacher Education program. In order to be admitted and retained in the program, the student must meet the following requirements:
 - a. a grade-point average of 2.0 or higher,
 - b. a minimum of one semester hour of Education 200, Introduction to Professional Education Experiences,
 - c. proficiency in the use of the written, oral, listening, and reading skills established through examinations and/or courses,
 - d. two letters of recommendation (one from the major advisor) testifying to personal integrity, emotional stability, and social and academic competence,
 - e. participation in the Student Teachers Association,
 - f. good physical condition -- vision, hearing and general health,
 - g. annual T-B test.

Transfer students who have completed 60 semester hours are admitted provisionally only. Upon the successful completion of 20 semester hours at Madonna College and the fulfillment of the requirements listed above, the student will be granted full admission by the Teacher Education Committee.

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:

- a. submit 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,
- b. have accumulated evidence of growth in professional teaching competence,

- c. obtain a written recommendation from the major advisor,
- d. receive approval from the Teacher Education Committee.

Application for Michigan Certification

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

1. Complete a major of at least 30 semester hours or a group major of 36 semester hours in an approved field.
2. 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	Music
Economics 372	Political Science 251
English 300	*Science 111, 112, or 113
Geography 301	Speech 105
*Mathematics 243	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. Complete the following professional courses:
 - Educational Learning and Growth Patterns
 - Psychology of Reading
 - Methods and Media of Instruction
(appropriate to certification desired)
 - Directed Teaching
 - Foundations of Education

4. Demonstrate competence in the teaching-learning process. The student 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.

Students who desire certification in another state should plan their program in accordance with its certification code.

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.

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

¹Includes combinations of English, Journalism, Speech.

²Vocational Certificate approved by State Department, March 1969.

³Includes combinations of Biology, Chemistry, Mathematics and Physics.

⁴On consortial arrangement.

⁵Combinations include Biology-Chemistry, Biology-Chemistry-Physics, Chemistry-Physics.

⁶Submitted to State Board of Education for approval.

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 & Guidance (Voc) ⁶			X	X
Communication Arts ¹	G	G	G	G
English	X	X	X	X
English — Journalism	G	G	G	G
English — Speech	G	G	G	G
Family Life		X		X
French	X	X	X	X
Health (Voc) ⁶			X	X
History	X	X	X	X
Home Economics	X	X	X	X
Home Economics & Family Life ²	X	X	X	X
Journalism		X		X
Latin		X		X
Learning Disabled (K-12) ⁶	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
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 & Industry (Voc) ⁶			X	X

X means: Major - 30 s.h., minor - 20 s.h.

G means: Group Major - 36 s.h., group minor - 24 s.h.

State Elementary and Secondary Continuing Certificates

The Administrative Rules Governing the Certification of Michigan Schools, Rule 32 states:

- a. He has taught successfully for 3 years, according to the validity of his provisional certificate as determined by the state board upon recommendation of the sponsoring institution and the local school district.
- b. Eighteen semester hours in a planned course of study beyond the bachelor's degree. This advanced course of study is applicable to the applicant's professional development, as determined by the state board upon recommendation of the sponsoring institution and, if appropriate, the local school district.

Reading Support Services Teacher - Certificate of Achievement

To qualify as a reading support services teacher in programs for reimbursement under the State Aid for Reading Support Services, January 1974, a person must:

Rule 2. Have completed 3 years of successful teaching in either elementary school, kindergarten through grade 6, or of teaching language arts curriculum in secondary school, grades 7 through 12.

Have a valid Michigan teaching certificate.

Have earned a baccalaureate degree from an accredited college or university.

Have acquired a minimum of 12 semester credit hours in the area of teaching instruction, 6 semester hours of which shall be in courses whose content includes diagnosis of reading ability and methods of remediation.

Credits earned toward a Reading Support Services Teacher certificate of achievement may be applicable toward a planned program for continuing education.

Preparation of Child Development Personnel

Madonna College prepares staff members for nursery schools and day care centers in accordance with the regulations of the State of Michigan, Department of Social Services.

Preparation of staff for:

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.

(Nursery Schools and Day Care Centers, **Recommended Standards and Requirements for Licensing**, 1971, pp. 3 and 4.)

DIVISIONAL ORGANIZATION

THE DIVISION OF HUMANITIES

Art
English
French
Journalism

Latin
Music
Philosophy
Polish

Public Relations
Religious Studies
Spanish
Speech

Group Majors and Minors

Communication Arts Major: 20 semester hours in either English, Journalism or Speech and 8 hours in each of the others, including English 101; Journalism 132, 257; Speech 105, 341.

Communication Arts Minor: 12 semester hours in English including 101; Journalism 132, 257; Speech 105, 341.

English-Journalism Major: 18 semester hours in each department including English 101; Journalism 132, 257.

English-Journalism Minor: 12 semester hours in each department including English 101; Journalism 132, 257.

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

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

Public Relations Major: 30 semester hours including 132, 257, 286, 313, 450, 475 and 16 semester hours of supportive courses in Graphic Arts and Business.

THE DIVISION OF NATURAL SCIENCES AND MATHEMATICS

Biology
Chemistry
Engineering

Mathematics
Medical Technology
Nursing
Operating Room Technology

Physics
Radiologic Technology
Science

Group Majors and Minors

Biology-Chemistry Major: 36 s.h. including Chemistry 201, 202, 271, 323; Biology 401, 402, and 12 s.h. from Biology electives. Requirements from supportive fields: Physics 101, 102; 8 s.h. Mathematics including 111, unless waived on the basis of a performance test. Intended for the preparation of science teachers and Allied Health Careers. (See page 28.)

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. in one area and 8 s.h. in one or more of the following: Biology, Chemistry, Physics, Mathematics. Science 111, 112, and 113 may be included.

Natural Science Minor: A combination of courses as indicated in the patterns.

I		II		III	
Biology	8 s.h.	Physics	8 s.h.	Chemistry	8 s.h.
Chemistry	8	Mathematics	16	Physics	8
Electives	8			Mathematics	8
IV		V			
Biology	8 s.h.	Biology	8 s.h.		
Physics	8	Chemistry	8		
Mathematics	8	Physics	8		

THE DIVISION OF SOCIAL SCIENCES

Business Administration
Real Estate Management
Child Care
Criminal Justice
Corrections
Crime Lab Technology
Criminalistics

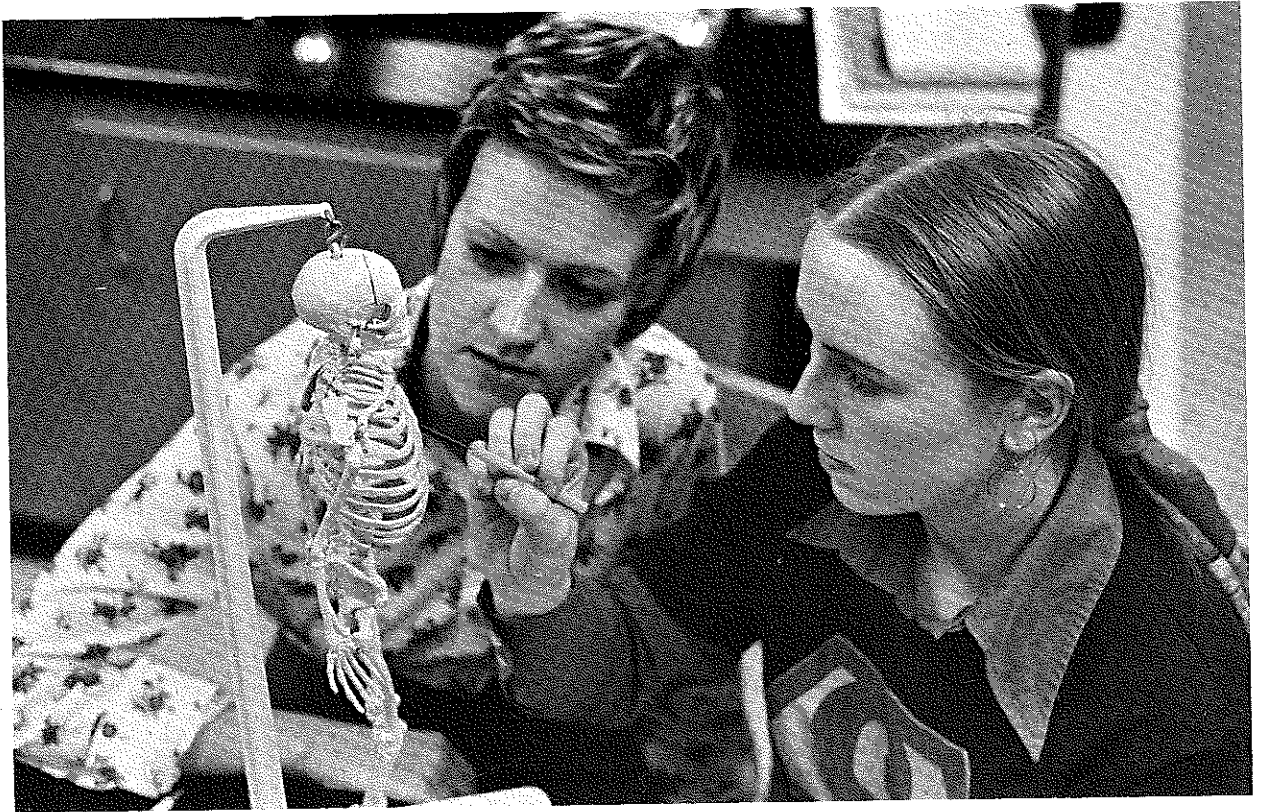
Evidence Technology
Law Enforcement
Dietetic Technology
Education
Fire Protection and
Occupational Safety
Geography
Gerontology

History
Home Economics and Family Life
Physical Education
Political Science
Psychology
Sociology and
Social Welfare

Group Majors and Minors

Social Science Major: 36 s.h., with a minimum of 16 hours in one area.

Social Science Minor: 24 s.h., with a minimum of 12 hours in one area.



COURSE DESCRIPTIONS

ART

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

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

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

GRAPHIC ARTS PROGRAM

Certificate of Achievement -- 1 year, 30-32 semester hours.

20-24 s.h. in Graphic Arts and Fine Arts

6-12 s.h. in General Education and Communication skills.

Associate Degree in Graphics -- 2 years, 60-64 semester hours.

40-48 s.h. in the Graphic and the Fine Arts

12-24 s.h. in General Education and Communication skills

Bachelor of Arts Degree in Graphics -- 120 semester hours.

48-54 s.h. in Graphic and Fine Arts

40 s.h. in General Education

12-16 hours in supportive courses:

Journalism, English, Photography, Electives

100 Fundamentals of Graphic Arts (Graphic Arts) 4 s.h.

History of the major printing processes. Acquaintance with the modern methods of duplication; preparation of master sheets and stencils, understanding the operation of each machine, and servicing the equipment.

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.

150 Offset and Letterpress (Graphic Arts) 4 s.h.

Practical and related training to provide the knowledge and skills in the area of printing in the Offset (Lithograph) and Letterpress machines. Experimentation with ink-mixing, type setting, study of papers, machine care and printing.

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.

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.

250 Production Techniques (Graphic Arts) 4 s.h.

Advanced camera work in half tones, plate preparation in full color reproduction, complete preparation of projects from the beginning to the finished production and handling and servicing the presses.

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.

302 Bindery and Packaging (Graphic Arts) 2-4 s.h.

Principles involved in planning, cutting, folding and assembling the printed material into pamphlets, booklets, books, folders. Printing and work estimates, legal restrictions on printing, contracts.

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, Graphic Arts) 4 s.h.

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 in layout and skillful lettering. Preparation of ads, captions, posters, announcements employed in graphic production of magazine pages, fliers. Any direction of the student's interest may be pursued: fashions, direct sales, container design, etc. Prerequisite: 207 and 305 or permission of instructor.

401 Screen Process Printing (Graphic Arts) 4 s.h.

Experimentation in silk screen printing in the various methods of reproduction; the paper and film stencil; tusche and glue; photographic method on materials other than paper. Multi-color work and layout for professional printing.

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.

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

BIOLOGY (BIO)

Major: 30 s.h. Requirements from other fields: Chemistry 201, 202; Mathematics, 8 s.h., including 111; Physics 101 and 102. (Natural Science minor recommended.)

Minor: 20 s.h.

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

Fundamental biological principles with emphasis on life processes. Lecture 3 hours, laboratory 3 hours.

202 Human Anatomy 4 s.h.

A detailed study of the structure of the human body systems on the cellular, histologic and organismic levels. Anatomical exploration of theoretical principles on the laboratory cat specimen and various human body teaching models. Lecture 3 hours, laboratory 3 hours.

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

301 Genetics 4 s.h.

Study of the nature and function of genetic material and its role in controlling inheritance patterns, with emphasis on the relationship of genetic phenomena to living organisms. Lecture 3 hours, laboratory 3 hours. Prerequisite: MTH 111 or its equivalent.

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.

Study of the morphology and physiology of microorganisms, and the relationship of pathogenic forms to man. Ability to transfer and maintain bacterial cultures, staining procedures, sterilization and aseptic techniques, microscopy and the identification of unknown species. Lecture 3 hours, laboratory 3 hours.

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

470 Biological Readings 2-4 s.h.
Readings and discussion of biological topics of current public interest.

BUSINESS ADMINISTRATION (BUS)

Major (B.S.): 48 s.h. and required supportive courses including English 200, Mathematics 235 and two business internships.

Major (A.S.): 36 s.h.

101 Introduction to Business 4 s.h.

Study of ownership, organization, marketing, production, personnel, finance, control, and governmental regulations as related to the basic principles of management and economic fundamentals. Understanding of the economic framework that constitutes the capitalistic system. (Prerequisite for business courses.)

200 Technical Report Writing (ENG) 3 s.h.

201 Introductory 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: 101.

202 Introductory 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 analysis; statements of working capital change and cash flow; budgeting; accounting aids to management; and income tax consideration. Prerequisite: 201.

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

245 Fundamentals of Computer Science (MTH) 4 s.h.

301 Principles of Marketing 4 s.h.

Identification of the structure of marketing and the basic problems in marketing management, consideration of all facets of consumer behavior and company objectives; a marketing mix of product, price, place, and promotion. Prerequisite: 101.

302 Organization and Management 4 s.h.

Introduction to management theory and practice. Detailed discussion of organizational models,

structure and relationships, problems of effective supervision, managing groups and departments, designing an efficient organization and administrative and managerial roles.

303 Intermediate Accounting 4 s.h.

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

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

Prerequisite: 301 or consent of instructor.

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

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

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. Prerequisites: 201; ECN 372, 380.

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

350 Managerial Accounting 4 s.h.

On Consortial arrangement. Prerequisite: 201, 202.

372 Principles of Economics (ECN) 4 s.h.

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

Prerequisite: 372.

CHEMISTRY (CHM)

Major: 30 s.h., including 353, 354. Requirements from other fields: Physics 101, 102; Mathematics including Calculus.

Minor: 20 s.h.

101 Introduction to General Chemistry 4 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 3 hours, laboratory 3 hours.

201 Inorganic Chemistry 4 s.h.

Chemical arithmetic, states of matter, atomic theory, bonding, structure and equilibrium. Lecture 3 hours, laboratory 3 hours. Prerequisites: One year of high school Chemistry and one year of high school Mathematics or its equivalent.

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. Prerequisite: 201 or its equivalent.

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

Integrated organic, biochemical and physiological principles related to the normal functioning of the human body. Lecture 3 hours, laboratory 3 hours. Prerequisites: 201, BIO 202.

271 Organic Chemistry 4 s.h.

Carbon compounds, aliphatic and aromatic compounds; their classification, structure, properties and uses; heterocyclic compounds. Lecture 3 hours, laboratory 3 hours. Prerequisite: 202.

323 Analytical Chemistry 4 s.h.

Theoretical background for chemical analysis. Laboratory work includes modern analytical techniques, chemical and instrumental chromatography, UV, VIS, IR, electroanalysis and radiochemistry. Lecture 3 hours, laboratory 3 hours. Prerequisite: 271.

334 Organic Chemistry 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: 271.

353, 354 Physical Chemistry (on 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 101, 102; MTH 251, 252.

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: 271, 323; BIO 202.

470 Problems in Chemistry 1-4 s.h.

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

CRIMINAL JUSTICE (CJ)

102 Introduction to Criminal Justice (SOC) 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.

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

Organization and management of the various criminal justice agencies throughout the United States and International.

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

Organization and management of various law enforcement agencies, the role of the police administrator in traffic operations, administration, and supervision.

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.

216, 217, 218 First Aid, Advanced First Aid, Drug Overdose Aid (FPS/PED) 2-6 s.h.

Credit awarded for First Aid and Advanced First Aid course in conjunction with the American Red Cross. Additional credit for completing additional courses in cardio-pulmonary resuscitation and drug overdose aid.

231 Correctional Justice Organization and Administration (SOC) 3 s.h.

Organization and management principles of correctional agencies; correctional procedures, rights and process.

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.

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 (SOC) 3, 3 s.h.

292 Practicum in Criminal Justice 6-12 s.h.

Supervised study in an approved criminal justice setting designed to provide the student with an opportunity to synthesize theory and on-the-job situations.

300 Basic Training in Corrections 6-12 s.h.

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 will be awarded to those who successfully complete the U.S. Bureau of Prisons course in "Jail Operations".

304 Jail Administration 2 s.h.

Credit will be 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: 265.

311 Criminal Investigation 3 s.h.

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

314 Evidence Technician 9 s.h.

Location, collection, and preservation of physical evidence; delivery of evidence to the appropriate crime laboratory. Areas of study: photography, latent prints, drug identification, cast techniques, trace evidence, firearms, handling of evidence, and crime scene search.

321 Principles of Criminology and Juvenile Delinquency (SOC) 3 s.h.

Study of incidence, type, causes, and theories of adult and juvenile deviant behavior.

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.

365 Delinquency Prevention and Control (SOC) 3 s.h.

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

375 Criminalistics I 4 s.h.

Introduction to forensic science as applied to basic concepts of identification and individualization of common, frequently occurring physical evidence materials, such as blood, glass, fibers, hair, paint, and soil; firearms and tool identification; drug and narcotics analysis; serology; microscopy of trace materials; scientific photography; and forensic instrumental analysis.

376 Criminalistics II 4 s.h.

Continues Criminalistics I. Advanced concepts of identification and individualization, including the examination of less frequently encountered physical evidence materials and empirical data requirement for the interpretation of examinations. Additionally with advanced groups: theory and procedures of separation, purification, and identification of components of forensic interest, using advanced instrumental analytical procedures.

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.

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 United States. Emphasis on local, regional and statewide control of organized crime; social implications of organized crime are examined in depth. Prerequisite: Director's approval.

418 Narcotics Institute (SOC) 3 s.h.
Problems faced by law enforcement agencies (local, state, federal, and international) concerning drug manufacture, trafficking, and investigative techniques.

423 Homicide Investigation 3 s.h.

470 Crime Laboratory Internship I 6 s.h.
One term full-time duration in a crime laboratory covering the following functions: instrumental analysis, chemistry, serology, toxicology, document examination, voice prints, special photography, explosive and incendiary devices recovery, trace evidence, comparative microscopy in firearms and tool marks and crime scene service.

471 Crime Laboratory Internship II 6 s.h.
Also of one term duration with specialization in one to three functions listed in 470; opportunities for research assistance to the crime laboratory staff.

495 Criminal Justice Seminar 4 s.h.
An evaluation of criminal justice practices and procedures, emphasis on contemporary criminal justice problems and their solutions.

ECONOMICS (ECN)

305 Consumerism (BUS/HEF) 4 s.h.

372 Principles of Economics (BUS) 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.

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

Study of the nature and function of money, with reference to the expansion and contraction of the money supply. The various functions of the Federal Reserve System including the control of the rate of interest, money supply and an explanation of how checks are cleared through the system. Prerequisite: 372.

EDUCATION (EDU)

200.1-200.3 Introduction to Professional Education Experiences 1-3 s.h.

Observation-participation in a school as a 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.

208 Creative Play and Movement Education (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 techniques of instruction in games and sports suitable for various age levels. Lecture 2 hours, laboratory 4 hours.

310 Principles of Speech and Language Development (PSY) 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.

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

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

330 Multi-Cultural Dimensions in Education (SOC) 4 s.h.

Focus on the cultural heritage of minority and ethnic groups and the rights of each American to equal educational opportunity guarantees. Designed to provide urban, suburban, and rural teachers with an understanding of the needs of Black, Spanish American, Indian, and White children of various backgrounds.

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

346 Instructional Media and Media Centers 2-4 s.h.

Selection and use of audio-visual aids for instructional purposes; operation of various types of audio-visual equipment; limited production of selected media; sources and methods of acquisition; cataloging of materials; organization and administration of instructional media centers. Lecture, laboratory.

350 Psychology of the Exceptional Child (PSY) 4 s.h.

358 Perceptual Learning Disabilities (PSY) 4 s.h.

372 Diagnosis and Remedial Techniques 4 s.h.

Identification of reading difficulties; methods in diagnostic and remedial work; use of tests and clinical apparatus in improvement of learning; observations and laboratory experiences.

409 Diagnostic and Prescriptive Techniques for Learning Disabilities (PSY) 4 s.h.

410 Innovative Child Care Programs (PSY/HEF) 4 s.h.

411 Methods and Media for Instruction in the Elementary School 4 s.h.

Methods and materials in the elementary school curriculum; selection and use of audio-visual aids for instructional purposes; observation of classroom procedures; participation in simulation and micro-teaching. Lecture 3 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 1-3 s.h.

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

Methods and Media for Instruction in the Major (secondary) 4 s.h.

Special methods in the subject-matter fields appropriate to the secondary level in which the student expects to teach. Lecture 3 hours, laboratory 2 hours.

451 Methods and Media for Instruction in Art (K-12)

454 Methods and Media for Instruction in Communication Arts

455 Methods and Media for Instruction in Foreign Language

458 Methods and Media for Instruction in Home Economics and Family Life

461 Methods and Media for Instruction in Mathematics

462 Methods and Media for Instruction in Music (K-12)

464 Methods and Media for Instruction in Science

467 Methods and Media for Instruction in Social Science

468 Methods and Media for Teaching the Learning Disabled (K-12) 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. Lecture 3 hours, laboratory 2 hours.

469 Methods of Instruction in Occupational Subjects 2-4 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. Lecture, laboratory.

470 Directed Teaching in the Elementary School 6-8 s.h.

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

Directed Teaching in the Secondary School 6-8 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 Science

470.8 Social Science

470.9 Vocational - Technical

470.0 Learning Disabilities (K-12)

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.

ENGLISH (ENG)

Major: 30 s.h., including 101 and three genre courses. Prospective elementary teachers include English 300.

Minor: 20 s.h., including 101 and one genre course.

100 Developmental Reading 2 s.h.
Emphasis on improving vocabulary; study skills, note taking, comprehension, and reading. An individualized program planned in accordance with student's needs.

101 Communication Skills 4 s.h.
A variety of experiences and activities such as writing, discussion, and media projects which will provide students with opportunities to improve spoken and written communication.

132 Newspaper Reporting (JRN) 4 s.h.

200 Technical Report Writing (BUS) 3 s.h.
A practical application of basic technical writing principles; preparation of industrial technical reports, police reports, personal resumes, business letters, progress reports, and typical formal documents.

✓ **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 interests, needs and abilities of children.

301 American Literature 4 s.h.
A response to the experience of American life and people as represented in the writings of major American authors including Franklin, Emerson, Melville, Whitman, Twain, and Faulkner.

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. American and international authors as well as those writers speaking for specific minority groups.

361 Poetry 4 s.h.
Humanistic training in the interpretation, appreciation, and criticism of the genre through readings in poetry from the Medieval period to the present.

362 Drama 4 s.h.
Development of drama from the Classical period to the present with an emphasis on dramatic form, types, and techniques. Playwrights to be studied: Sophocles, Shakespeare, Moliere, Pirandello, Ionesco, and Albee.

363 Fiction 4 s.h.
The growth of the short story in England and America with an emphasis on form, types, and techniques.

415 Film Appreciation (SPH) 4 s.h.
The historical development of the film in terms of technique and social influence. Aspects of film that qualify it as an art form worthy of critical attention. Feature-length films to be studied.

422 The Novel 4 s.h.
History and technique of the novel; reading and critical analysis of selected novels of English, American, and European authors including Dostoyevsky, Conrad, Hardy, Flaubert, and James.

450 Magazine and Feature Writing (JRN) 4 s.h.

FIRE PROTECTION AND OCCUPATIONAL SAFETY (FPS)

Major (BS): 52 s.h. in FPS and supportive courses.

Fire Protection major: 30-32 s.h. Fire Protection, Safety including 101, 250, 321, 341, 351, 395 and 401; 20-24 s.h. supporting courses including Chemistry 101 or 201, Mathematics 111, and Physics 101 and 102.

Occupational Safety major: 30-32 s.h. Fire Protection, Safety including 102, 322, 331, 332, 342, 352 and 355; 20-24 s.h. supporting courses selected from the above natural science courses and Business 200, Chemistry 271, Journalism 313; Mathematics 235 and 245, and Speech 316.

Combined majors consisting of 30-36 s.h. Fire Protection, Safety and 20-24 s.h. selected from the above lists of supporting courses may be designed in consultation with the advisor.

Major (AS): Fire Protection majors require 30 s.h. including Chemistry 101 or 201 and at least five of the following: Fire Protection, Safety 101, 250, 321, 341, 351, 395 and 401. Other majors are designed in consultation with the advisor and require 30 s.h. of Fire Protection, Safety courses.

Minor: 20 s.h.

101 History and Philosophy of Fire Protection and Prevention 3 s.h.

Fire protection problems, fire department role and modern practices emphasized; fire hazards, inspection procedures, codes and programs related to fire prevention.

102 Introduction to Occupational Safety and Health 3 s.h.

History, terminology and concepts; specific laws and governmental agencies; importance of loss control and risk management.

103 Basic Fire Protection Training 3 s.h.

Credit awarded to the individual showing evidence of successful completion of a certified training program or an equivalent program.

216 First Aid

217 Advanced First Aid

218 Drug Overdose (CJ/PED) 2-6 s.h.

250 Fire Fighting Tactics and Strategy 3 s.h.

Pre-planning procedures, strategy planning, logical evaluation of emergency situations, the effective employment of equipment, apparatus and manpower.

302 Field Experience 3 s.h.

Credit awarded to an individual having one or more years of full-time experience in the fire protection field and/or the occupational safety field.

312 Physical Hazards and Controls 3 s.h.

Detection, handling, storage, preventive maintenance and inspection; protective clothing and devices, labeling and color coding; precautionary measures and review of recommended standards; familiarization with chemical, biological, radiological and toxic substances.

321 Principles of Building Construction and Building Codes 3 s.h.

Hazards inherent in specific types of structural design, of building materials by their rating, or of inappropriate occupancy related to preventive and corrective measures.

322 Inspection of Various Occupancies 3 s.h.

Safety and health hazards, both common to and unique to various kinds of occupancies, including residential, industrial and commercial.

331 Safety Programs and Program Management**3 s.h.**

Emphasis on corporate safety programs: objectives, responsibilities, and implementation; accident reporting and forms; motivation and incentives.

332 Investigations, Accident Statistics and Corporate Management**3 s.h.**

Accident investigation training and forms; sources, interpretation and use of statistics; inspection check lists; corporate organization, safety policy, communications.

341 Fire Protection Equipment and Systems**3 s.h.**

Choice and proper method of utilization of extinguishing agents, detection and alarm systems, air control systems, fixed extinguishing systems.

342 Physical Hazards and Controls**4 s.h.**

Detection, handling, storage, preventive maintenance and inspection; protective clothing and devices, labeling and color coding; precautionary measures and review of recommended standards; familiarization with chemical, biological, radiological and toxic substances.

351 Hazardous Materials**3 s.h.**

Identification, storage, handling and products of combustion of hazardous 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.

355 Safety and Health Standards, Codes and Regulations**2-4 s.h.**

History and content of labor laws, especially OSHA: 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 develop an appreciation of potential fire hazards and techniques for detecting and controlling such hazards.

395 Fire 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.

401 Fire Science Administration & Public Education**3 s.h.**

Principles of organization, supervision, and administration as applied to fire protection. A study of the techniques utilized in dealing with the human element; organizational aspects of the fire department and of other educational and community services.

419 Principles and Techniques of Instruction (Instructors' Institute) (EDU)**2-4 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**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**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 French culture. Laboratory practice. Prerequisite: 102 or 2 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: 224 or equivalent.

322, 323 French Culture and Civilization**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: 224 or equivalent.

357 French Literature 4 s.h.

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

358 French Literature 4 s.h.

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

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: 224 or equivalent.

420 Independent Study 2-4 s.h.

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

Foreign Study

Students in good standing are advised to elect a program of studies at the Alliance Francaise, Paris. Options are open for study during the summer and/or academic year.

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.

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 civilizations.

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.

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 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. Effects of these characteristics on the po-

litical systems of the lands and their role in the nations.

470 Cooperative Study Experiences 3-6 s.h.
Credit for cooperative experiences in 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.

HOME ECONOMICS AND FAMILY LIFE (HEF)

Major for Vocational Certificate: pattern as approved by the State Department of Education

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

Home Economics Major: 30 s.h., including 471, 491.

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

Associate Degree in Dietetic Technology Major: 30 s.h.

Child Development Program (See Education).

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.

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. Lecture 2 hours, laboratory 4 hours.

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.

258 Child Development Curriculum (PSY)

4 s.h.

272 Child Care Practicum and Seminar (PSY/SOC) 4 s.h.

304 Human Development and Adjustment (PSY/SOC) 4 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 consent of instructor.

318 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.

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 inter-relationships of foods and food service. Emphasis on managerial, economic, psychological, nutritional and aesthetic implications. Lecture 2 hours, laboratory 4 hours. Prerequisite: 225.

325 Dietetics 4 s.h.
Modified normal diet as applied to the various dietetic requirements in treatment of different allergies and diseases. Lecture 2 hours, laboratory 4 hours. Prerequisite: 225.

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: 321.

353 Marriage and the Family (RST/SOC) 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.

410 Innovative Child Care Programs (EDU/PSY) 4 s.h.
Philosophy and objectives of child care programs; study of innovative preschool programs and their implementation. Lecture 3 hours, laboratory 2 hours.

421 Table Setting and Meal Service 2 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 1 hour, laboratory 1 hour.

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 are related to family concerns, values, and goals. Laboratory experience includes actual family situations and residence in the Home Management House. Prerequisites: 225, 321, 353, and 305.

471 Seminar 4 s.h.
Emphasis on vocational education and career orientation; directed reading and study in areas of special interest, such as dietetics, child development, and consumerism.

491 Practicum/Co-op 4 s.h.
Experience at hotels, hospitals, child care centers, restaurants, schools, senior citizen centers and others.

JOURNALISM AND PUBLIC RELATIONS (JRN)

Major: 30 s.h., including 132, 257, 286, 313, 450, 475. 16 s.h., supportive courses in Graphic Arts and Business.

Minor: 20 s.h., including 132, 257 and 286.

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. Suggested prerequisite: successful completion of at least one college-level composition course. Lecture 3 hours, laboratory 2 hours, (news reporting on campus newspaper.)

257 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 newspaper). Prerequisite: 132.

286 Editorial Writing 4 s.h.
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, (editorial work on campus newspaper.) Prerequisite: 132.

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.

351 Television Production Techniques (SPH) 4 s.h.
Production and use of closed circuit television; use of basic production techniques and equipment including videotape, microphones, cameras, and lighting. Each student will produce at least one program of his own design, thus assuring him of maximum learning opportunities. While the emphasis of the workshop will be on the production of programs for educational and industrial use, every attempt will be made to provide an overview of related fields.

354 Publicity and Public Relations 4 s.h.
The role of publicity in public relations; examination and preparation of publicity materials for media use in school and business applications. Prerequisites: 132, 257.

360 Advertising Design (JRN) 4 s.h.

375 Media in America 4 s.h.

Role and responsibility of the news media in a free society; the press as reflector and molder of society and relation of newspress to government. An analysis of the impact of broadcasting on other mass media. Interdisciplinary approach, using insights from a variety of fields, e.g., history, political science, sociology, psychology, philosophy, theology.

450 Magazine and Feature Writing (ENG) 4 s.h.

Study and writing of non-fiction articles for magazines and newspaper feature sections; market analysis.

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

On-campus or on-the-job experience in editorial and/or business management of campus newspaper, publicity or promotion work, or off-campus internship. Prerequisite: 132, 257, 286.

LATIN (LAT)

Minor: Minimum of 20 s.h. beyond elementary level. (Course descriptions in 1969-1973 Bulletin)

MATHEMATICS (MTH)

Major: 30 s.h., including 351.

100 Developmental Mathematics 1 s.h.
Emphasis on developing computational skills with whole numbers, common and decimal fractions.

101 Introductory Mathematics 4 s.h.
Fundamental operations with integers, fractions, decimals, radicals, exponents; ratio and proportions, percentage, measurement, metric system; algebraic expressions and operations, factoring, linear and quadratic equations, functions and their graphs, elements of trigonometry. *Not open to majors or minors in Mathematics.*

111 Algebra with Trigonometry 4 s.h.
Real and complex numbers, polynomial, rational, algebraic, exponential, logarithmic and trigonometric functions; equations and inequalities. Prerequisites: Two years high school algebra or equivalent.

125 Metric System 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 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 101 and/or consent of department.

243 Basic 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. *Not open to majors or minors in Mathematics. Required of all elementary school teachers.*

245 Fundamentals of Computer Science (BUS) 4, 4 s.h.

Problem solving with the computer, numerical and non-numerical applications, algorithms, basic programming. Lecture 3 hours, laboratory 3 hours. Prerequisite: One year high school algebra, 101 and/or consent of department.

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

251, 252 Calculus with Analytic Geometry I and 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: 111 or its equivalent.

330 Modern Algebra 4 s.h.

Study of groups, rings, integral domains and fields; development of the rational, real and complex number fields. Prerequisite: 252.

341 Linear Algebra 4 s.h.
Elementary theory of polynomials, vector spaces, systems of linear equations, determinants, linear transformations and matrices. Prerequisite: 252.

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

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: 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: 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: 252.

MUSIC (MUS)

Major: Music Education: 40 s.h., including 102, 111, 112, 211, 307, 421, 422; 16 s.h. of applied music

Minor: Music or Music Education: 24 s.h., including 111, and/or 112, 211; 12 hours of applied music.

THEORY

✓ **102 Music Through the Ages** 4 s.h.

Development of music from pre-Christian beginnings to the present, with emphasis upon composers, style characteristics, musical literature together with life and thought during major historical eras; contemporary composers and new tendencies.

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. *Required of music majors and minors.*

111, 112 Theory 1, 2 4, 4 s.h.

Aural, visual, and written approaches to musicianship: sight-singing, solfeggio, ear training; melodic and harmonic dictation; triads, sevenths; treatment of four-voiced texture; modulation.

211, 307 Theory 3, 4 4, 4 s.h.

Continuation of aural, keyboard and sight-singing experiences; modulation, chromatic harmony, twentieth-century practices.

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 technic; teaching materials.

401 Vocal Literature 2 s.h.

Acquaintance with the comprehensive study of song literature in its historical significance; oratorio, opera, motet, madrigal, art song.

421, 422 Instrumental Techniques 2, 2 s.h.

Group study of the four families of instruments in the orchestra; technical differences, capabilities, peculiarities; range, embouchure.

ORGAN

115, 116 Organ 2, 2 s.h.

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

235, 236 Organ 2, 2 s.h.

Continuation of 115, 116; more advanced repertoire; congregational accompaniment.

PIANO

For entrance to a credit course, the student must be able to play: major and minor scales and arpeggios; some standard etude of Czerny, Heller, Cramer, or equivalent; a selection from "Bach's Little Preludes and Fugues"; a Bach Two-part Invention; an easier sonata of Haydn, Mozart or Beethoven.

113, 114 Piano 2, 2 s.h.

Standard repertory; emphasis on piano technique, sight-reading and transposition.

122, 123 Piano 2, 2 s.h.

Continuation of 113 and 114; intensive work in the functional application of acquired technique and skills in classroom teaching.

233, 234 Piano 2, 2 s.h.

323, 324 Piano 2, 2 s.h.

Continuation of 233, 234; advanced repertoire; score reading, functional improvisation.

353, 354 Piano 2, 2 s.h.

Continuation of 323, 324; more advanced repertoire.

VOICE

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

217, 218 Voice 2, 2 s.h.

Functional approach to singing; application of techniques to classroom teaching.

255, 256 Voice 2, 2 s.h.

Continuation of 217, 218; more intensive study of individual and group techniques of teaching.

NURSING (NUR)

Major: 47 s.h.

Recommended Minors:

Natural Science or Social Science; 4 s.h. of Philosophy required.

207 Nursing Problems I 4 s.h.

Basic elements in a nursing situation: behavior of the patient, reaction of the nurse, and nursing activities designed for the patient's benefit. Nursing skills including initial practices in nursing assessment, intervention, and evaluation. Lecture 2 hours, laboratory 6 hours.

208 Nursing Problems II 4 s.h.

Dimensions of a patient's health problem and their interdependence. Manifestations, diagnosis, therapies and prognosis of interruptions as a basis for nursing observations, judgments, and actions. Lecture 2 hours, laboratory 6 hours. Prerequisite: 207.

305 Medical-Surgical Nursing I 8 s.h.

The adult patient with a medical-surgical health problem: the interdependence of patho-physiological, psychosocial, and developmental concepts as basic factors in health and illness and their significance to the patient, his family, and the community. Lecture 4 hours, laboratory 12 hours. Prerequisites: 207 and 208.

316 Maternal and 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: 207 and 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: 316.

447 Community Mental Health Nursing 5 s.h.

Principles and concepts of mental health as applied to oneself 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: PSY 101.

451 Medical - Surgical Nursing II 8 s.h.

Synthesis of nursing principles and techniques for effective participation in the health team to identify and meet human needs. Focus on patients with complex nursing problems: participation in planning, administering and evaluating total patient care, within a clinical unit and follow-up in a home setting. Lecture 4 hours, laboratory 12 hours.

472 Leadership Skills 5 s.h.

Consideration of the responsibilities and opportunities of professional nurses in contemporary society; a study of the organizations of the profession; independent practice of nursing with leadership skills. Lecture 3 hours, laboratory 6 hours.

482 Integrating Seminar 4 s.h.

An in-depth discussion of nursing research and theory in the special areas of Medical-Surgical, Maternal-Child, and Psychiatric Nursing based upon student needs and interests in these fields. (Required of all senior registered nursing students).

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; some treatment of the central issues related to these basic considerations, such as our knowledge of reality, causality, the problem of human situation in a world of service and technology.

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.

310 Man and God 4 s.h.

An investigation of the nature and foundation of religion, centering on notions such as God, man's religious experience, and worship; the philosophical arguments on the question of God's existence, atheism, and contemporary trends.

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.

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 Karate 1 s.h.

Okinawan Karate stressing self-defense and physical fitness. Laboratory 2 hours.

205 Indoor Tennis 1 s.h.

Emphasis on tennis techniques, strategy, history, rules, and etiquette. Laboratory 2 hours.

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

216, 217, 218 First Aid, Advanced First Aid, Drug Overdose Aid (CJ/FPS) 2-6 s.h.

First Aid and Advanced First Aid courses in conjunction with the American Red Cross. Additional credit by completing additional courses in cardio-pulmonary resuscitation, and drug overdose aid.

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 Consortial arrangement.

101 General Physics I 4 s.h.

Fundamental methods and principles of mechanics, molecular physics, heat and sound. Prerequisite: one year of college mathematics. Lecture 3 hours, laboratory 3 hours.

102 General Physics II 4 s.h.

Fundamental methods and principles of magnetism, electricity, optics, light and atomic physics. Prerequisite: 101. Lecture 3 hours, laboratory 3 hours.

POLISH (POL)

Minor: 20 s.h. beyond elementary level.

101, 102 Elementary Polish 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 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: 102 or 2 years of secondary school Polish.

322, 323 Polish Culture and Civilization 4, 4 s.h.

Study of significant aspects of the geographical, historical, social and cultural backgrounds of Poland for a better understanding of its civilization. Prerequisite: 224 or equivalent.

- 357 Polish Literature** 4 s.h.
Selected texts from outstanding authors representing the chief periods of Polish literature from its beginning to the eighteenth century. Prerequisite: Polish 224 or equivalent.
- 358 Polish Literature** 4 s.h.
Analytic study of major literary trends and representative authors in the nineteenth and twentieth centuries. Prerequisite: Polish 224 or equivalent.
- 420 Independent Study** 2-4 s.h.
An in-depth investigation of some specific topic or problem of interest to the student 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. Emphasizing conflict-resolution, increasing interdependence between states and the possibility of progressing toward a "politics of the planet Earth."
- 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 enable students to successfully handle ordinary transactions and to appreciate the underlying principles of criminal law.
- 405 Constitutional Law (CJ)** 3 s.h.

- 463 Emerging Nations (HIS)** 4 s.h.

PSYCHOLOGY (PSY)

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.
- 195 Introduction to Learning Disabilities** 4 s.h.
Principles and practices in working with learning disabled children. Lecture 3 hours, laboratory 2 hours.
- 218 Child Development and Guidance (HEF/SOC)** 4 s.h.
Development of child from prenatal stage through early childhood. Examination of stages of growth and their relation to child development and behavior. Observation of children of various ages in child development settings. Prerequisite: 101. Lecture 3 hours, laboratory 2 hours.
- 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 practicum for early childhood teachers which stresses techniques in creative dynamics, music and art; selection and construction of curriculum materials for the language, arithmetic, and science areas. Analysis, development and evaluation of instructional media for early childhood education. Current data examined to determine the most beneficial materials for curriculum adaptation. Lecture 3 hours, laboratory 2 hours.
- 272 Child Care Practicum and Seminar (HEF/SOC)** 4 s.h.
Daily and long-range planning of activities for optimum development. Observation and supervised experiences in a nursery or child care center. Lecture 1 hour, laboratory 6 hours.

304 Human Development and Adjustment (HEF/SOC/EDU) 4 s.h.

Basic concepts and principles of growth, development, maturation, learning, and personality; developmental tasks relative to each stage of growth; factors conditioning successive stages of development of personality; modes of adjustment.

310 Principles of Speech and Language Development (EDU) 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.

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

Literature, contemporary practices, and problems in the education of children with specific learning disabilities; individual and multiple combination of factors including problems of perception, motor skills, and sensory disabilities.

316 Group Dynamics and Discussion Techniques (SPH) 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: 101.

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 psycho-pathology. Lecture 3 hours, laboratory 2 hours.

350 Psychology of the Exceptional Child (EDU) 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.

358 Perceptual Learning Disabilities (EDU) 4 s.h.

Identification of problems related to visual, auditory, kinesthetic, and other sensorimotor perceptual skills. Lecture 3 hours, laboratory 2 hours.

367 Social Psychology (SOC) 4 s.h.

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

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 Diagnostic and Prescriptive Techniques for Learning Disabilities (EDU) 4 s.h.

Study of diagnostic instruments and techniques, as interviewing, special testing, case histories, followed by a practicum in the use of the measures to evaluate children with learning disabilities. Educational prescriptions made on the basis of diagnostic findings. Lecture 1 hour, laboratory 6 hours.

410 Innovative Child Care Programs (EDU/HEF) 4 s.h.

Philosophy and objectives of child care programs; study of innovative pre-school programs and their implementation. Lecture 3 hours, laboratory 2 hours.

RELIGIOUS STUDIES (RST)

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

Students interested in the religious education ministry are also advised to enroll in courses 470, 485, 491 and to plan a program of supportive courses and/or a minor related to their interests and needs, e.g., in Education, Psychology, Sociology, Journalism, Business Administration, Music, Languages.

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

Courses 345, 347, 422 and the catechetical courses 470, 485, 491 are designed basically in the Catholic tradition; others 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 a higher one:

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 Requirements
- 20-30 s.h. Supportive Courses or a Minor Electives

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 4 s.h.
Man in the light of biblical revelation and Christian tradition: creation and original sin, personal sin, redemption and grace, the meaning and destiny of man.

331 Problem of God (HUM) 4 s.h.
God's self-revelation and man's response; the revealed nature of God: the Trinity of Persons; the problems that face man in his belief.

340 Person and Mission of Christ 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 theology; 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, and personal 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 Judaeo-Christian human values; the formation of conscience and the art of decision-making.

422 Christian Awareness 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: Specific topics in religious education, e.g. methods on various grade levels, the use of audio-visuals, etc., will be covered through summer institutes and workshops.

SCIENCE (SCI)

101 Medical Terminology 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. Prerequisite: Science 111 or equivalent.

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. Prerequisite: 111 or its equivalent.

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

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

SOCIOLOGY AND SOCIAL WELFARE (SOC)

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

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

Social Welfare Major: 30 s.h., including 221, 232, 233, 234, 236, 453, 476.

✓ 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.

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 4 s.h.

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

231 Correctional Justice Organization and Administration (CJ) 3 s.h.

232 Social Welfare as an Institution 4 s.h.

A developmental and historical approach to social welfare institutions, structure, and functions.

233 Interviewing in Social Work Settings 4 s.h.

Principles, types, and stages of interviewing; developing observational skills and communication ability.

234 Introduction to Social Work I 4 s.h.

Concepts, principles and functions of Social Work in today's society.

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

236 Introduction to Social Work II 4 s.h.

Methods of social intervention. Study of diagnosis and treatment plans as applied to case examples.

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

265 Criminal Law (CJ) 3 s.h.

272 Child Care Practicum and Seminar (EDU/HEF/PSY) 4 s.h.

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

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

304 Human Development and Adjustment (HEF/PSY) 4 s.h.

305 Criminal Procedure (CJ) 3 s.h.

318 Administration of Child Care Centers (HEF) 4 s.h.

321 Principles of Criminology and Juvenile Delinquency (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.

330 Multi-Cultural Dimensions in Education (EDU) 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 (RST/HEF) 4 s.h.

- 355 Contemporary Correctional Methods (CJ)** 3 s.h.
- 365 Delinquency Prevention and Control (CJ)** 3 s.h.
- 367 Social Psychology (PSY)** 4 s.h.
Problems of social behavior; social aspects of personality in group living. Prerequisite: PSY 101.
- 401 Crime Prevention and Police Community Relations (CJ)** 3 s.h.
- 415 Social Gerontology** 4 s.h.
Biological and psychological changes of aging; the impact of aging upon individuals and society.
- 416 Care of the Aging** 4 s.h.
- 418 Narcotics Institute (CJ)** 3 s.h.
- 430 Seminar - Aging** 4 s.h.
- 442 Urban Sociology** 4 s.h.
Patterns, structures, function, 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** 4 s.h.
Understanding the use of groups and techniques of working with them.
- 460 Readings in Sociology** 4 s.h.
Directed readings of current literature in the various fields of sociology for analysis of social phenomena.
- 476 Field Experience and Seminar** 6 s.h.
Professionally supervised practical experiences in social agencies. 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 consortial arrangement.

Minor: 20 s.h. beyond elementary level.

- 101, 102 Elementary Programmed Spanish** 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** 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: 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: 224 or equivalent.

- 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: 224 or equivalent.

- 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: 224 or equivalent.

- 357 Spanish Literature** 4 s.h.
Selected texts from outstanding authors representing the chief periods of Spanish literature from its beginning to the eighteenth century. Prerequisite: 224 or equivalent.

- 358 Spanish Literature** 4 s.h.
Study of major literary trends and representative authors in the nineteenth and twentieth centuries. Prerequisite: 224 or equivalent.

- 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: 224 or equivalent.

- 420 Independent Study** 2-4 s.h.
An in-depth investigation of some specific topic or problem of interest to the student within the area of Spanish morphology, literature or culture.

Foreign Study

Students in good standing are advised to 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.

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 theater.

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

316 Group Dynamics and Discussion Techniques (PSY) 4 s.h.

Forms and methods of group discussion to develop proficiency in communication and leadership.

341, 342 Acting Techniques 1-4 s.h.

Basic forms and methods of expression, in-

cluding 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 Television Production Techniques (JRN) 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 make-up. 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.

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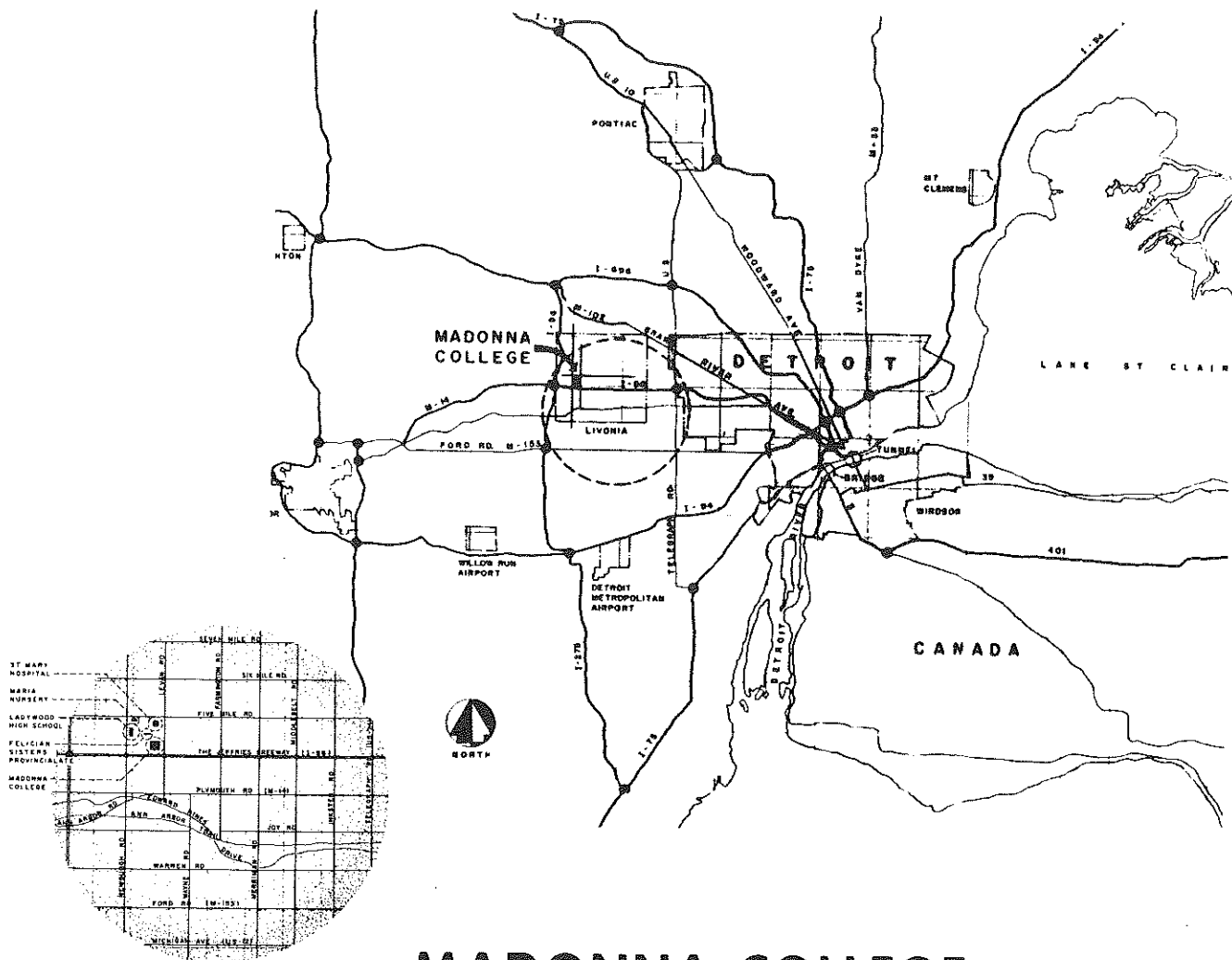
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Livonia, Michigan 48150

MADONNA COLLEGE CALENDAR

	1973-1974	1974-1975	1975-1976
Term I - Fall			
Registration for new students	Aug. 6,7	Aug. 5,6	Aug. 4,5
Faculty conference	Aug. 30	Aug. 29	Aug. 28
Classes begin	Sept. 4	Sept. 3	Sept. 2
Add-Drop period	Sept. 4-11	Sept. 3-10	Sept. 2-9
Final date for election of S/NC grade	Oct. 24	Oct. 22	Oct. 21
Registration for Term II - Winter	Nov. 14-20	Nov. 18-23	Nov. 17-22
Thanksgiving recess	Nov. 22-24	Nov. 28-30	Nov. 27-29
Classes resume	Nov. 26	Dec. 2	Dec. 1
Final examinations for Term I	Dec. 10-15	Dec. 9-14	Dec. 8-13
End of Term I	Dec. 15	Dec. 14	Dec. 13
Grades due	Dec. 19	Dec. 18	Dec. 17
Term II - Winter			
Registration for new students	Jan. 3	Jan. 3	Jan. 6
Faculty conference	Jan. 4	Jan. 6	Jan. 8
Classes begin	Jan. 7	Jan. 8	Jan. 12
Add-Drop period	Jan. 7-14	Jan. 8-15	Jan. 12-19
Comprehensive examinations	Jan. 19	Jan. 18	Jan. 17
Final date for election of S/NC grade	Feb. 28	Feb. 26	Mar. 1
Spring vacation	Mar. 4-8	& Easter recess Mar. 28-Apr. 4	Mar. 8-12
Classes resume	Mar. 11	Apr. 7	Mar. 15
Registration for Term III Spring-Summer	Apr. 2,3	Apr. 3,4	Apr. 5,6
Registration for Term I - Fall	Apr. 8-10	Apr. 7-12	Apr. 5-10
Easter recess	Apr. 11-15	& Spring vac. Mar. 28-Apr. 4	Apr. 15-19
Classes resume	Apr. 16	Apr. 7	Apr. 20
Final examinations for Term II	Apr. 22-27	Apr. 21-26	Apr. 26-May 1
End of Term II	Apr. 27	Apr. 26	May 1
Commencement	Apr. 28	Apr. 27	May 2
Grades due	May 1	Apr. 30	May 4
Term III - Spring-Summer (Modular Scheduling)			
Registration	Apr. 2,3	Apr. 3,4	Apr. 5,6
Classes begin	May 2	May 1	May 5
End of Term III	July 27	July 23	July 28



MADONNA COLLEGE

LIVONIA, MICHIGAN 48150

for information write

The Admissions Office or call (313) 425-8000

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