

Pre-Dental

Students pursuing this program are assigned to the pre-dental adviser who assists them in selecting the courses required and recommended for admission into dental school and for general advisement on other required pre-dental activities. The choice of major is not restricted and students should choose a major that will interest them and provide a possible career opportunity for them upon graduation. Regardless of the major, students must take the science courses required by dental schools for admission. It is also recommended that other upper level biology courses be taken to enhance preparedness for dental school success. Please see the course listings below. A pre-dental handbook is available from the adviser in the Physics Department. The pre-dental advisor provides students with information about the profession, application procedures to dental schools, and the Dental Admission Test (DAT). NMU has a pre-dental advisory board comprised of practicing dentists and NMU professors. The Board works in conjunction with the advisor and may interview students who qualify based on GPA and DAT scores. The pre-dental advisor will then construct a letter of evaluation (Board letter) based on the interview and letters of recommendation.

Pre-Dentistry Courses

BI111	Introductory Biology: Principles (4 cr.)
BI218	Intro to Cell and Molecular Biology (4 cr.)
CH111	General Chemistry I (5 cr.)
CH112	General Chemistry II (5 cr.)
PH201	College Physics I (5 cr.) and
PH202	College Physics II (5 cr.)
	or
PH220	Introductory Physics I (5 cr.) and
PH221	Introductory Physics II (5 cr.)

See bulletin list for highly recommended courses

Pre-Chiropractic

Northern Michigan University offers a pre-chiropractic program that follows the criteria established for admission to colleges of chiropractic whose programs are in compliance with the standards, rules and guidelines of the Council on Chiropractic Education. Normally, students must have completed at least 90 semester hours, with a cumulative grade point average of 2.50. Courses should be selected with the help of the pre-chiropractic adviser located in the Physics Department. Not all courses listed will be taken.

Pre-Chiropractic Core

PSY100	Psychology as a Natural/Social Science (4 cr.)
BI111	Introductory Biology: Principles (4 cr.)
BI207	Human Anatomy and Physiology I (4 cr.)
BI208	Human Anatomy and Physiology II (4 cr.)
BI218	Introduction to Cell/Molecular Biology (4 cr.)
BI303	General Microbiology (5 cr.)
CH111	General Chemistry I (5 cr.)
CH112	General Chemistry II (5 cr.)
CH220	Introduction to Organic Chemistry (5 cr.)
CH450	Biochemistry I (4 cr.)
HL471	Exercise Specialization in Adult Fitness and Cardiac rehabilitation (2 cr.) or
	ES315 Physiology of Exercise (4 cr.)
	ES317 Anatomical Kinesiology (2 cr.)
	ES417 Biomechanics (2 cr.)
DATA109	Intro to Probability and Statistics (4 cr.)
PH201	College Physics I (5 cr.) or
	PH220 Introductory Physics I (5 cr.)

Pre-Medical

The premedical advisor provides students with information about the profession, application procedures to medical schools, and the Medical College Admission Test (MCAT). NMU has a premedical advisory board comprised of practicing physicians and NMU professors. The board works in conjunction with the advisor and may interview students who qualify based on GPA and MCAT scores. The premedical advisor will then construct a letter of evaluation (board letter) based on the interview and letters of recommendation.

Pre-Medical Core Courses

BI111	Introductory Biology: Principles (4 cr.)
BI218	Introduction to Cell and Molecular Biology (4 cr.)
BI207	Human Anatomy and Physiology (4 cr.)
BI208	Human Anatomy and Physiology (4 cr.)
CH111	General Chemistry I (5 cr.)
CH112	General Chemistry II (5 cr.)
CH321	Organic Chemistry I (4 cr.)
CH322	Organic Chemistry II (4 cr.)
PH201	College Physics I (5 cr.) and
PH202	College Physics II (5 cr.)
	or
PH220	Introductory Physics I (5 cr.) and
PH221	Introductory Physics II (5 cr.)
Highly	Recommended Courses
BI303	General Microbiology (5 cr.)
BI312	Genetics (4 cr.)
BI405	Immunology (3 cr.)
BI406	Advanced Cell Biology (4 cr.)
BI426	Human Histology (4 cr.)
CH450	Biochemistry I (4 cr.)
CH452	Biochemistry II (4 cr.)
HN210	Nutrition for Humans (4 cr.)

See bulletin list for other courses that may be required for medical school admission.

Pre-Professional Programs

Northern Michigan University offers a number of Pre-professional programs through various departments on campus. Although they are not academic majors, these programs provide relevant skills and program admission criteria to students wishing to further their education at other institutions. No degrees are awarded, however.

Advising for each of the Pre-Professional programs is given through the respective sponsoring departments, and is also offered during the entirety of the curriculum. This is to ensure that students and their faculty advisers share important information and avoid confusion regarding future enrollment at other institutions. Advisers will also help students entry into the professional program of their choice.

These programs are a great opportunity for students with specific career aspirations to get a solid start on their formal education. Because of the nature of the programs, a great deal of communication between institutions is required. The motivated student will initiate correspondence with respective institutions to ensure transition from school to school.

Additional Resources and Information

For Career Planning and Opportunities:
Academic & Career Advisement Center
3302.1 C.B. Hedgcock
906-227-2971
www.nmu.edu/acac

Physics Department
2515 West Science
906-227-2450
www.nmu.edu/physics

For Job Search, Resume and Career Information:
Career Services
3302.3 C.B. Hedgcock
906-227-2800
www.nmu.edu/careers

For Information about NMU Student Organizations Associated with this Major Contact:
Center for Student Enrichment
1206 University Center
906-227-2439
www.nmu.edu/cse

Internet Resource Links:
www.careers.org
www.careerresource.net
www.bls.gov/oco

For Career Information with National Organizations:
www.chiropractic.org The International Chiropractors Organization
www.ada.org American Dental Association
www.askdrwalker.com Various Medical Organizations



**NORTHERN MICHIGAN
UNIVERSITY**

The Academic & Career Advisement Center
2022



What to do with
a major in...

Pre-Professional

Pre-Dental

Pre-Chiropractic

Pre-Medical

