

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.)
MA109 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.)
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
BI207 Human Anatomy and Physiology I (4 cr.)
BI208 Human Anatomy and Physiology II (4 cr.)
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
2020



What to do with
a major in...

Pre-Professional

Pre-Dental

Pre-Chiropractic

Pre-Medical

