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.

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

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

Current as of Fall 2014
Provided by:
The Academic & Career Advisement Center
Pre-Dentistry

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. Not all courses listed will be selected with the help of the pre-dental adviser located in the Physics Department.

Pre-Dentistry Courses
BI 111 Introductory Biology: Principles (4 cr.)
BI 218 Intro to Cell and Molecular Biology (4 cr.)
CH 111 General Chemistry I (5 cr.)
CH 112 General Chemistry II (5 cr.)
CH 321 Organic Chemistry I (4 cr.)
CH 322 Organic Chemistry II (4 cr.)
PH 201 College Physics I (5 cr.) or
PH 221 Introductory Physics I (5 cr.)

Highly Recommended Courses
BI 201 Human Anatomy (3 cr.)
BI 202 Human Physiology (5 cr.)
BI 206 Advanced Cell Biology (4 cr.)
BI 207 Human Histology (4 cr.)
CH 450 Biochemistry I (4 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
BI 111 Introductory Biology: Principles (4 cr.)
BI 218 Introduction to Cell and Molecular Biology (4 cr.)
CH 111 General Chemistry I (5 cr.)
CH 112 General Chemistry II (5 cr.)
CH 321 Organic Chemistry I (4 cr.)
CH 322 Organic Chemistry II (4 cr.)
PH 201 College Physics I (5 cr.) or
PH 221 Introductory Physics I (5 cr.)
PH 202 College Physics II (5 cr.) or
PH 222 Introductory Physics II (5 cr.)

Highly Recommended Courses
BI 201 Human Anatomy (3 cr.)
BI 202 Human Physiology (5 cr.)
BI 303 General Microbiology (5 cr.)
BI 312 Genetics (4 cr.)
BI 405 Immunology (3 cr.)
BI 406 Advanced Cell Biology (4 cr.)
BI 426 Human Histology (4 cr.)
CH 450 Biochemistry I (4 cr.)

Supplemental Courses
HL 460 Human Disease Education (4 cr.)
MA 171 Intro to Probability and Statistics (4 cr.) or
PY 305 Psychological Statistics (4 cr.)
PY 100 Psychology as a Natural/Social Science (4 cr.)
PY 344 Lifespan Developmental Psychology (4 cr.)
SO 101 Introductory Sociology (4 cr.)

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.

Pre-Chiropractic Core
PY 100 Psychology as a Natural/Social Science (4 cr.)
BI 111 Introductory Biology: Principles (4 cr.)
BI 201 Human Anatomy (3 cr.)
BI 202 Human Physiology (5 cr.)
BI 218 Introduction to Cell and Molecular Biology (4 cr.)
BI 303 General Microbiology (5 cr.)
CH 111 General Chemistry I (5 cr.)
CH 112 General Chemistry II (5 cr.)
CH 220 Introduction to Organic Chemistry (5 cr.) or
CH 321 Organic Chemistry I (4 cr.)
CH 322 Organic Chemistry II (4 cr.)

Professional Core Courses
BI 303 General Microbiology (5 cr.)
BI 405 Immunology (3 cr.)
BI 406 Advanced Cell Biology (4 cr.)
CH 321 Organic Chemistry I (4 cr.)
CH 322 Organic Chemistry II (4 cr.)

Highly Recommended Courses
BI 201 Human Anatomy (3 cr.)
BI 202 Human Physiology (5 cr.)
BI 303 General Microbiology (5 cr.)
BI 312 Genetics (4 cr.)
BI 405 Immunology (3 cr.)
BI 406 Advanced Cell Biology (4 cr.)
BI 426 Human Histology (4 cr.)
CH 450 Biochemistry I (4 cr.)

Supplemental Courses
PY 100 Psychology as a Natural/Social Science (4 cr.)
PY 344 Lifespan Developmental Psychology (4 cr.)
SO 101 Introductory Sociology (4 cr.)

Full program details can be found at www.nmu.edu/bulletin