

# Pre-Physical Therapy

Students interested in a career in physical therapy may choose any baccalaureate degree program at NMU, although students tend to select majors such as biology, physiology, or sport science. The pre-physical therapy adviser works with students to explore physical therapy graduate programs and the appropriate NMU coursework and practice experiences the students will need to meet prerequisites for the desired program. To meet most prerequisites of graduate programs throughout the country, students in the pre-physical therapy program take courses in biology, chemistry, mathematics, physics, psychology and the liberal arts. The adviser also helps students find internship or work experiences with local physical therapists. NMU pre-physical therapy graduates have earned advanced degrees from a wide range of universities. NMU maintains an articulation agreement with Central Michigan University, which provides a non-competitive interview for admission into the doctoral program. To tailor this program to the student's career objectives, students should contact the adviser in the Biology Department .

BI111	Introductory Biology: Principles (4 cr.)
BI112	Introductory Biology: Diversity (4 cr.)
BI207	Human Anatomy and Physiology I (4 cr.)
BI208	Human Anatomy and Physiology II (4 cr.)
CH111	General Chemistry I (5 cr.)
CH112	General Chemistry II (5 cr.)
MA115	Precalculus (4 cr.)
MA109	Intro to Probability and Statistics (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.)
PSY100	Introduction to Psychology (4 cr.)
PSSY205	Introduction to Research Methods (4 cr.)
PY344	Lifespan Developmental Psychology (4 cr.)

*See bulletin list for highly recommended courses*

# Pre-Physician Assistant

Northern Michigan University offers courses that prepare students for admission to many physician assistant programs. This pre-physician assistant program is similar to the pre-medical program because of the strong emphasis on basic sciences and requisite courses focused on the human body and functions. More advanced courses required for admission to a specific physician assistant program may vary widely depending on the school. Students may have any major but must complete the science courses required for entry to the programs to which they are applying. NMU has an articulation agreement with Central Michigan University's physician assistant program that allows for four NMU students to have a guaranteed interview with a high probability of acceptance into the program on a non-competitive basis providing the students meet all of the admission criteria in the CMU curriculum guide, and minimum GPA requirements. Courses required by CMU's curriculum guide are indicated with an asterisk. Admission requirements for applying include: cumulative GPA of 3.5, B or higher in any prerequisite course, recommendation by the Physics department, minimum of 100 direct patient care hours completed, community/volunteer service involvement, Graduate Record Exam (GRE) completed, and a passing score from an interview with CMU Physician Assistant Admissions Committee.

# Pre-Engineering

Students interested in engineering who plan to transfer to an engineering school should contact the Physics department to get program details and be assigned an academic adviser. NMU offers courses from several departments that provide the foundations for engineering students. These courses, along with the liberal studies courses, comprise the first two years of study at most engineering schools.

## Pre-Engineering Core

CH111	General Chemistry I (5 cr.)
CH112	General Chemistry II (5 cr.)
CS120	Computer Science I (4 cr.)
MA161	Calculus I (5 cr.)
MA163	Calculus II (4 cr.)
MA265	Calculus III (3 cr.)
MA211	Intro to Matrix Theory and Linear Algebra (3 cr.)
MA361	Differential Equations (3 cr.)
PH220	Introductory Physics I (5 cr.)
PH221	Introductory Physics II (5 cr.)

*Full program details can be found at [www.nmu.edu/bulletin](http://www.nmu.edu/bulletin)*

# 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](http://www.nmu.edu/acac)

Physics Department  
2515 West Science  
906-227-2450  
[www.nmu.edu/physics](http://www.nmu.edu/physics)

Biology Department  
2001 New Science Facility  
906-227-2310  
[www.nmu.edu/biology](http://www.nmu.edu/biology)

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

Internet Resource Links:  
[www.careers.org](http://www.careers.org)  
[www.careerresource.net](http://www.careerresource.net)  
[www.bls.gov/oco](http://www.bls.gov/oco)

For Career Information with National Organizations:  
[www.cornell.edu](http://www.cornell.edu) -Various Engineering Organizations  
[www.aapa.org](http://www.aapa.org) Am/ -Academy of Physician Assist.



**NORTHERN MICHIGAN  
UNIVERSITY**

The Academic & Career Advisement Center  
2021



What to do with  
a major in...

**Pre-Professional**  
Pre-Physical Therapy  
Pre-Physician Assistant  
Pre-Engineering

