

# PRE-MEDICINE

Pre-Medicine is a pre-professional advising track. Pre-professional tracks provide students with the intellectual and academic backgrounds they will need before continuing their education in degrees not offered at Minnesota State Mankato. Acceptance to professional educational institutions is contingent upon academic performance, so students enrolling in a pre-professional track should be highly motivated and realize they are expected to maintain standards of excellence.

## PROGRAMS



### DEGREES AND CERTIFICATES

Pre-Medicine is a preprofessional advising track, not a degree program. Acceptance into medical school usually requires an undergraduate degree (in a related major) with a set of core requirements from the natural sciences and mathematics. Students may choose from a variety of undergraduate majors.

Advisors play an important role in guiding the students enrolled in such a plan of study, so students are urged to contact the advisor before enrolling.

### ABOUT THE PROGRAM

“Pre-Med” means you are following a course of study that will prepare you to apply to a medical school (or other post-graduate health profession). As a pre-med student, you will take classes and gain experience that post-graduate schools look for in qualified applicants. The curriculum is designed to prepare you to apply to a health professional school.

## REAL-WORLD CONNECTIONS



### SKILLS AND TALENTS

- Patient Safety and Care
- Knowledge of Medicine
- Communication Skills
- Organization Skills
- Medical Charts
- Critical Thinking and Decision-Making

### CAREERS

- Physician
- Pathologist
- Healthcare Administrator
- Pathologist
- Medical Assistant
- Laboratory Technician

### EMPLOYERS

- United Health Group
- Mayo Clinic Hospital
- Optum Health
- Allina Health
- HealthPartners
- Fairview Health Services

## INSPIRED ACTION



### EMPLOYMENT RATE

**95.8%**  
of program graduates begin their careers within one year of graduation.

[link.mnsu.edu/graduate-follow-up](http://link.mnsu.edu/graduate-follow-up)

### MEDIAN SALARY

**\$80,820**

The median annual wage for Healthcare Occupations in May 2023.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Healthcare Occupations at [link.mnsu.edu/healthcare-occupations-salary](http://link.mnsu.edu/healthcare-occupations-salary)

### PROGRAM WEBSITE



[link.mnsu.edu/premedicine](http://link.mnsu.edu/premedicine)

## COURSES REQUIRED FOR THE PRE-MEDICINE ADVISING TRACK

### TYPICAL REQUIREMENTS INCLUDE (BUT ARE NOT LIMITED TO)

NOTE: FOR COURSE DESCRIPTIONS, REFER TO THE CURRENT UNDERGRADUATE BULLETIN.

#### GENERAL BIOLOGY (8 CREDITS MINIMUM)

- BIOL 105 General Biology I (4)
- BIOL 106 General Biology II (4)

Students are encouraged to take additional electives from the following list to enhance their knowledge in basic biology: BIOL 211, BIOL 220, BIOL 270, BIOL 316, BIOL 320, BIOL 330, BIOL 435, BIOL 474.

#### CHEMISTRY WITH LABORATORY (GENERAL, INORGANIC AND ORGANIC CHEMISTRY (14 CREDITS MINIMUM))

- **General chemistry:** CHEM 201 General Chemistry I (5), CHEM 202 General Chemistry II (5)
- **Organic chemistry:** CHEM 322 Organic Chemistry I (4), **AND** CHEM 323 Supplemental Organic Functional Group Chemistry (1)
- **Biochemistry:** CHEM 360 Principles of Biochemistry (4)

Students are encouraged to take CHEM 305 Analytical Chemistry (4) as an elective.

#### PHYSICS WITH LABORATORY (8 CREDITS MINIMUM)

- PHYS 211 Principles of Physics (1) **AND** PHYS 212 Principles of Physics (2) **OR**
- PHYS 221 Skills for Introductory Physics (2) **AND** PHYS 222 General Physics (2)

#### MATHEMATICS (INTRODUCTORY COURSE IN CALCULUS AND UPPER-LEVEL STATISTICS)

- MATH 121 Calculus I (4)
- HLTH 475 Biostatistics (3)

#### ENGLISH OR LITERATURE (ONE YEAR)

- ENG 101 Foundations of Writing & Rhetoric (4)
- An additional 4 credits of writing-intensive coursework in English

Students are encouraged to take ENG 271W as an elective.

#### SOCIAL AND BEHAVIOR SCIENCES AND HUMANITIES (18 CREDITS MINIMUM)

- Students are encouraged to include PSYC 101, SOC 101 and PHIL 222W among these electives.

For more information about course requirements, visit: [cset.mnsu.edu/cset-advising-center/pre-professional/premed](https://cset.mnsu.edu/cset-advising-center/pre-professional/premed)

#### LEARN MORE

##### Pre-Medicine

CSET Advising Center  
125 Trafton Science Center  
507-389-1521  
[csetadvising@mnsu.edu](mailto:csetadvising@mnsu.edu)

#### NOTES

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