

# PRE-VETERINARY

Pre-Veterinary Science 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 pre-professional tracks should be highly motivated and realize they are expected to maintain standards of excellence. 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.

## PROGRAMS



### DEGREES AND CERTIFICATES

Pre-Veterinary Science is a pre-professional advising track, not a degree program. Pre-Veterinary means you are following a course of study that will prepare you to apply to a veterinary school (or other post-graduate health profession). As a Pre-Veterinary student, you will take classes and gain experience that post-graduate schools look for in qualified applicants.

### ABOUT THE PROGRAM

The Pre-Veterinary track is designed to meet the Pre-Veterinary requirements for the University of Minnesota College of Veterinary Medicine but can be adapted to meet the requirements for other veterinary schools as well. The course requirements are usually completed over a period of three years, and the student commonly combines these requirements with other coursework to obtain a bachelor of science degree in a related area. The coursework is intensive, and high school courses such as algebra, trigonometry, chemistry, physics and biology are helpful.

## REAL-WORLD CONNECTIONS



### SKILLS AND TALENTS

- Animal Welfare
- Client Education
- Veterinary Medicine
- Pet Care
- Animal Nutrition
- Animal Behavior

### CAREERS

- Veterinarian

### EMPLOYERS

- Animal Hospitals
- Veterinary Clinics
- Private Practices
- Research Facilities
- Rural Service Setting
- Zoos

## 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

**\$119,100**

The median annual wage for Veterinarians in May 2023

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

### PROGRAM WEBSITE



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



# COURSES REQUIRED FOR THE PRE-VETERINARY ADVISING TRACK

## REQUIRED FOR MAJOR

ENG 101 Composition (4)

- Plus: one additional course, such as communication, literature, advanced writing, technical writing, etc.
- BIOL 105 General Biology I (4)
- BIOL 106 General Biology II (4)
- BIOL 211 Genetics (4)
- BIOL 270 Microbiology (4)
- CHEM 201 General Chemistry I (5)
- CHEM 202 General Chemistry II (5)
- CHEM 322 Organic Chemistry I (4)
- CHEM 323 Supplemental Organic Functional Group Chemistry (1)
- CHEM 360 Principles of Biochemistry (4)
- PHYS 211 Principles of Physics I (4)
- PHYS 212 Principles of Physics II (4)

## REQUIRED ELECTIVES

Choose 3 courses from:

- Two History and Social Sciences
- Two Arts & Humanities
- Organic Chemistry
  - CHEM 322
  - plus CHEM 323

## RECOMMENDED ELECTIVES

- BIOL 220 Human Anatomy (4) **AND**  
BIOL 330 Principles of Human Physiology (4) **OR**  
BIOL 431 Comparative Animal Physiology (3)

Graduate Record Exam (GRE) must be taken.

## CHOOSE ONE OF THE FOLLOWING OPTIONS

- MATH 112 College Algebra (4) **AND**  
MATH 113 Trigonometry (3)\* **OR**  
MATH 115 Precalculus Mathematics (4) **OR**  
MATH 121 Calculus I (4)

\* Although the University of Minnesota specifically requires only MATH 112, Minnesota State Mankato PHYS 111 requires either both MATH 112 **AND** MATH 113 **OR** MATH 115 or higher as pre-requisites.

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

## LEARN MORE

### Pre-Veterinary

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

## NOTES

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