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ideas.**
Real-world thinking.



**MINNESOTA STATE
UNIVERSITY**
MANKATO

PRE-VETERINARY *College of Science, Engineering & Technology*

WHAT DEGREE AND PROGRAM DO WE OFFER?

The pre-veterinary curriculum 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.

WHAT CAREER OPPORTUNITIES ARE AVAILABLE FOR STUDENTS COMPLETING THIS PROGRAM?

The veterinary degree is completed after four additional years at a college of veterinary medicine. The job market is very good for veterinarians, with many jobs available in many areas. The median wage in 2019 was \$97,500. Other choices following the attainment of a veterinary degree include careers in research and industry, advanced training as a veterinary medical specialist with a future in teaching or private referral practice, government jobs, and jobs with the armed forces.

EXAMINING THE QUALITY OF OUR PROGRAM

Accreditations

Our course work is approved by the University of Minnesota College of Veterinary Medicine.

Faculty

All permanent faculty have a Ph.D. in the sciences. The pre-veterinary faculty has a Doctor of Veterinary Medicine and a Ph.D. in physiology.

All lecture courses are taught by faculty, but lower level lab courses may be taught by teaching assistants.

Faculty grants and scholarly activity

The biology department has available a wide variety of undergraduate research opportunities. AREA grants have been awarded to several faculty, and Minnesota State Mankato faculty research grants are commonly awarded as well.

STUDENT EXPERIENCE/ PROGRAM REQUIREMENTS

Faculty/student ratio

Labs are generally small: 1:20. Upper division courses ratio is 1:20.

Unique program components and experiences

Local veterinarians give our students the opportunity to gain experience with the veterinary profession by allowing the student to spend time riding with a large animal veterinarian, or to observe or assist in a small animal clinic.

Scholarships

The biology department and the College of Science, Engineering and Technology offers several scholarships to biology majors, which includes pre-veterinary students.

Student/faculty opportunities for collaboration

There are many opportunities available in the research areas of circulation, physiology, toxicology, microbiology, and molecular biology. Also available is zoology, environmental science, and plant science research. Students are offered opportunities to present at the Undergraduate Research Conference.

Clubs and organizations

- Pre-veterinary club
- Biology club

HOW DO I PREPARE FOR THIS PROGRAM?

High school course work should include math and science courses such as algebra, trigonometry, physics, chemistry, biology, and related courses.

COURSE RECOMMENDATIONS

Specific course requirements for admission to veterinary schools vary. The course recommendations outlined below are based on preparation for admission to the University of Minnesota Vet School. Students are encouraged to review the websites of other Vet Schools and to prepare for the GRE (Graduate Record Examination).

Biology: BIOL 105, 106, 211, 270

Chemistry: CHEM 201, 202, 322, 323, 360

Mathematics: MATH 112 and 113 OR 115 or 121

Physics: PHYS 211 and 212

Required Electives:

2 History and Social Sciences (6-8 cr.)
2 Arts and Humanities (6-8 cr.)

Recommended Electives:

Biology BIOL 220 (4) AND
BIOL 330 (4) OR
BIOL 431 (3)

Although no specific bachelors degree is required for admission to veterinary school, most Minnesota State Mankato students complete a degree major in zoology (biology), which encompasses most of the preparation coursework, and includes the general education requirements needed for admission to veterinary school. Admission to veterinary schools is very competitive, and a strong GPA will be required.

FOR MORE INFORMATION PLEASE CONTACT

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cset.mnsu.edu/cset-advising-center/pre-professional/

You are encouraged to visit the campus.
To arrange for a visit, please call:
Office of Admissions: 507-389-1822
Tollfree: 800-722-0544

GO PRO LEARNING COMMUNITY

If you are entering college planning to continue advanced education by attending medical school, veterinary school, physical therapy school, or other professional programs, your path could be complex and challenging. The Pre-Professional Sciences learning community is here to help! The learning community will offer you support in your course work by having group study session throughout the week with others in your classes. You will also have the opportunity to have your questions answered through your interaction with faculty from these departments. The learning community is here to help guide you in the process of pursuing these demanding programs.

WHAT YOU'LL TAKE:

As a part of the learning community, you'll be enrolled in the following courses:

Fall Semester

SOC 101: Introduction to Sociology (3 credits)
FYEX 100: First Year Seminar (1 credit)
BIOL 105: General Biology I (4 credits)

Spring Semester

PSYC 101: Introduction to Psychological Science (4 credits)
CMST 102: Public Speaking (3 credits)
BIOL 106: General Biology II (4 credits)

By enrolling in 15 credits or more per semester, you are more likely to complete your Bachelor's degree in 4 years.

WHERE YOU'LL LIVE:

Students will be assigned to renovated double rooms (Crawford A, B, D, McElroy E, F, H or Preska I). Renovated rooms have in-room air-conditioning and share a community bathroom with the floor. Learning Community students are housed with other students in the same learning community.

For additional information about course requirements, please visit <http://www.mnsu.edu/supersite/academics/bulletins/>

05/21



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