PRE-VETERINARY MEDICINE, ASSOCIATE OF SCIENCE (424)

About Our Program

This program is intended to provide the first two years of a four-year baccalaureate program. Study in this major provides a foundation for a career in veterinary medicine through study in humanities, math, and sciences.

Nature of Work and Employment

Veterinarians diagnose, treat, and control the spread of diseases among animals. Many limit practice to companion animals. Others focus on food producing animals (cattle, poultry, fish, sheep, and swine), food safety inspection, horses, laboratory animals, or research and education.

The most common jobs graduates with advanced degrees in veterinary medicine have are staff veterinarian, research veterinarian, veterinarian medical officer, and public health veterinarian. Veterinarians require a license to practice.

Special Considerations

Students interested in this field should have an aptitude toward science, good interpersonal skills, emotional stability, physical stamina, and an interest in animals. Students also must be prepared to continue their education at the professional level after completing a baccalaureate degree. Schools of veterinary medicine limit enrollment and students compete vigorously for admission. Students should begin to independently investigate veterinary school admissions policies. The listed coursework is a recommendation only. Students should check with a student advisor for HCC graduation requirements and specific university requirements in this major. Students must meet with an advisor to ensure that the special requirements of the department and institution to which they plan to transfer are met. Colleges and universities have specific requirements for transfer students.

Regional Institutions

- University of Illinois at Urbana-Champaign College of Veterinary Medicine (Urbana, IL; Chicago, IL)
- Iowa State University College of Veterinary Medicine (Iowa City, IA)
- University of Wisconsin-Madison School of Veterinary Medicine (Madison, WI)

Requirements

Associate of Science Requirements

Students must meet all requirements for the Associate of Science degree (https://catalog.highland.edu/programs-available/as-requirements/) in order to graduate from Highland Community College. For more information, please see your advisor.

Recommended Courses

The following are recommended courses for this major only.

Biology

Code	Title	Hours
BIOL 208	Biology I: Cell & Molecular [1]	4
BIOL 209	Biology II: Biodiversity/Evolu [1]	4

Chemistry

Code	Title	Hours
CHEM 123	General College Chemistry I [1]	5
CHEM 124	General College Chemistry II [1]	5
CHEM 221	Organic Chemistry I [1]	5
CHEM 222	Organic Chemistry II [1]	5

Mathematics

Code	Title	Hours
MATH 250	Analytic Geometry/Calculus I [1]	5
MATH 255	Analytic Geometry/Calculus II [1]	5

Physics

Code	Title	Hours
Select one of the following:		8
PHYS 141 & PHYS 142	Introductory Physics I and Introductory Physics II [1]	
PHYS 143 & PHYS 144	General Physics I and General Physics II [1]	

[1] Course has a prerequisite. See course description.

Program Outcomes

- Students should be able to understand and employ aspects of scientific methodologies.
- Students should practice proper lab technique in compliance with relevant safety standards.
- Students should understand the fundamental uncertainties in experimental measurements inherent in different laboratory techniques and instrumentation.
- Students should be able to analyze data sets and communicate information in a clear and organized manner with presentations and properly cited written reports.
- Students should utilize peer-reviewed scientific literature effectively.
- Students should be able to work with peers in a team setting.
- Students should be able to relate contemporary societal and global issues to the physical and life sciences.

Program Contacts

Call Highland at 815-235-6121 for the following program contacts:

- Dr. Brendan Dutmer, Dean, Natural Science and Mathematics
- Beth Groshans, Student Advisor