



# Bridges Career Academy

## Veterinarian Technology

*Upsala High School*

Introduction to the animal care careers. Learn about domestic large and small animal care in the examination, treatment and vaccination of animals, the prevention of animal diseases, and the anatomy and reproduction of domestic animals.

### Academic Courses

- Veterinary Technology I
- Veterinary Technology II
- Natural Resources/  
Wildlife Management I
- Aquaponics

### Career Experiences

- Listen to industry speakers
- Attend the Bridges Career Exploration Day or other regional career fairs
- Participate with professionals
- Conduct field work

### Completion Standards

COMPLETE

**3 of 4**  
courses

GRADES **B** ↑

Earn a **certificate**  
and **green cord**  
at graduation



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### Job Skills

In addition to having technical skills, employers expect workers in this industry to have these skills:

- Written and Active listening and problem-solving skills
- Ability to work with customers and other professionals
- Use of math and science
- Time and material management



# Veterinarian Technology Career Academy

## Upsala High School

The Veterinarian Technology Academy provides students an introduction to the animal care careers in the demanding and diverse businesses of today. The Academy delivers basic information in areas of domestic large and small animal care in the examination, treatment and vaccination of animals, the prevention of animal diseases, and the anatomy and reproduction of domestic animals. Students who are interested in working for others or owning their own business would be interested in this Academy.

### ACADEMY COURSES

#### **Veterinary Technology I** — .5 High School Credits

Students will explore the fundamentals of animal science, medical terminology and the biology of body systems. Laboratory experiences related to medical knowledge will be explored. The anatomy and physiology of the skeletal, muscular, circulatory, respiratory, and urinary and nervous systems will be explored.

#### **Veterinary Technology II** — .5 High School Credits

Students will learn the fundamentals of animal systems in detail and related to practical experiences. Diseases and their identification, symptoms, prevention and immunity will be explored. Students will gain a working knowledge of medical terminology and the terms related to large animal species. Safety around large and small animals will be discussed and students will perform exams on animals.

#### **Natural Resources/Wildlife Management I** — .5 High School and/or 3 College Credits

This course gives students an opportunity to further explore areas the forest and its inhabitants. The course will include history of various species, their characteristic and life cycles, habitat needs and wildlife conservation. Animal clusters will include game birds, fish and mammals.

#### **Aquaponics** — .5 High School and/or 3 College Credits

In this course students will grow plants and fish in the same systems without the use of soils. Basics of plant science will be reviewed and the biology of fish will be explored. Anatomy, physiology, morphology and growth concerns of fish will be analyzed. Students will design aquaponic systems in the greenhouse.

### COMPLETION STANDARD

Students wishing to receive a certification for this academy must earn a “B” or better in each course and complete three of the four courses.

### CAREER EXPERIENCES

Students will explore and research careers with industry speakers, tours of local businesses, participate in Bridges Career Exploration Day and other career fairs, tour local farms, and conduct field work in feeding and caring for large animals.

### JOB SKILLS

In addition to having technical skills, employers expect their workers to have other skills such as:

- Active listening and problem-solving skills
- Ability to work with customers and other professionals
- Use of math and science
- Time and material management

**CAREER OPTIONS:** [www.careerwise.minnstate.edu/careers](http://www.careerwise.minnstate.edu/careers)

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