

ANIMAL SCIENCE

Webpages: <https://www.uwplatt.edu/department/animal-science> (<https://www.uwplatt.edu/department/animal-science/>) and <https://www.uwplatt.edu/department/dairy-science> (<https://www.uwplatt.edu/department/dairy-science/>)

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MISSION STATEMENT

The Animal Science and Dairy Science majors will prepare graduates who value and use critical thinking, communication and social skills through liberal arts and science-based technology education. They will contribute to the success and profitability of vocations involved in animal care, welfare and production of high quality animal-derived food and medicine for national and international consumption. Graduates will also acquire skills that will guide them in designing and applying a synergy of animal production and land use with lasting environmental stability.

Animal Science and Dairy Science offer two options, a major with a university minor or a major with an emphasis.

GOALS

Graduates of the Animal Science program, with an Animal Science or Dairy Science major, will be:

1. CONSCIOUS OF AND RESPONSIVE TO THE ISSUES INVOLVED WITH CARE, WELFARE AND HEALTH OF ANIMALS.

OUTCOMES:

- Students can recognize the importance of producing food safely.
- Students are aware of various perspectives of animal health, welfare and biosecurity.

2. ABLE TO UNDERSTAND THE BASIC FORM, STRUCTURE, AND FUNCTION OF DOMESTIC ANIMALS.

OUTCOMES:

- Students can identify & explain the anatomy of digestive, reproductive, and other domestic animal systems.
- Students can demonstrate how physiological systems relate directly to production of food animals.
- Students can integrate and apply basic sciences (chemistry, biology, and math) to animal science concepts.
- Students can evaluate genetic concepts and breeding strategies available for genetic improvement.

3. ABLE TO IDENTIFY PROCESSES OF INTEGRATED MANAGEMENT TO OPTIMIZE THE USE OF AVAILABLE RESOURCES PARTICULARLY TO ENHANCE SUSTAINABLE AGRICULTURAL AND ANIMAL SCIENCE PRACTICES.

OUTCOMES:

- Students can recognize and compare optimal and maximal production practices.
- Students are competent in application of computerized technology.
- Students can utilize proven physical and chemical analyses.
- Students can evaluate genetic selection and performance programs.
- Students have an awareness of environmental impacts in sustainable agricultural practices.

4. CRITICAL THINKERS WITH EFFECTIVE ORAL AND WRITTEN COMMUNICATION SKILLS AS INDIVIDUALS AND AS TEAM MEMBERS IN PART THROUGH INCREASED EXPOSURE TO ISSUES IN ANIMAL SCIENCE ACROSS THE GLOBE.

OUTCOMES:

- Students can communicate as an animal scientist, using appropriate scientific terminology.
- Students have an increased self-confidence and comfort level during public speaking.
- Students demonstrate the ability to independently investigate, analyze and conclude management decisions clearly and concisely.
- Students can collect and analyze information and compose professional, technical reports.
- Students have benefited from external professional inputs of diverse backgrounds.

MAJORS

- Animal Science Major, B.S. (<http://catalog.uwplatt.edu/undergraduate/business-industry-life-science-agriculture/agriculture/animal-science/bs-comprehensive/>)
 - Animal Science w/Minor
 - Comprehensive Emphasis
 - Pre-Veterinary Emphasis
 - Veterinary Technician Emphasis

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- Dairy Science Major, B.S. (<http://catalog.uwplatt.edu/undergraduate/business-industry-life-science-agriculture/agriculture/animal-science/dairy-science-major-bs/>)
 - Dairy Science w/Minor
 - Pre-Veterinary Emphasis
 - Comprehensive Emphasis