

QUICK FACTS  
AGRICULTURAL  
SCIENCE

TRUMAN STATE UNIVERSITY

SCHOOL OF SCIENCE & MATHEMATICS

Engage in a lively community of friends, mentors, teachers, and fellow learners. Work collaboratively with professors and other curious students. Make connections across a wide range of endeavors.

Pursue the questions that intrigue you.

[scienceandmath.truman.edu](http://scienceandmath.truman.edu)

DON'T FOLLOW. *Pursue.*

# DEPARTMENT OF AGRICULTURAL SCIENCE

SCHOOL OF SCIENCE AND MATHEMATICS

## Practical, Sustainable Focus on Our Most Basic Needs

Experience a holistic approach to the study of food and fiber production and their association and interaction with societal concerns. At Truman, our focus is on a sustainable agricultural system – including food production, processing, and consumption.

Receive hands-on instruction on our University Farm. Participate in groundbreaking initiatives, and help shape the success of student organizations. Numerous research opportunities are available where you can expand upon your classroom knowledge, enhance your critical thinking and communication skills, and begin building a very impressive resume to help you with your future aspirations.

Take an active role in building your future. Become a leader in a new, sustainable world.

[AGRICULTURE.TRUMAN.EDU](http://AGRICULTURE.TRUMAN.EDU)



"The Truman Agricultural Science Department is full of opportunities. The one-on-one relationship with professors allows students to pursue any interest through hands-on classes and research opportunities. The small department allows students to develop relationships with fellow Agricultural Science majors and network with alumni. The department creates a community that allows students to explore their passions and develop those into careers."

**Alexandria Avila, Class of 2017**  
 Currently pursuing: Agricultural Science with Business Concentration  
 Minors: Equine Science and Business Administration  
 Pursuing after Truman: Marketing position at an agricultural company  
 Internships: Livestock Product Marketing Intern at CNH Industrial America LLC — Case IH Agriculture (2015); Companion Animal Marketing Intern at Boehringer Ingelheim Vetmedica, Inc. (2016)  
 Hometown: Davenport, Iowa

### PURSUING AGRICULTURAL SCIENCE

**BS** DEGREE OFFERED  
 MAJOR OFFERED  
**Agricultural Science**  
 MINORS OFFERED  
 Agricultural Studies, Agricultural Business, Equine Studies

**120** approximate number of students pursuing this major  
**60** approximate number of students pursuing one of these minors

**6** full-time faculty members  
**1** part-time faculty member

**FACULTY EXPERTISE**  
 Faculty members' expertise spans soil & environmental science, plant breeding, agricultural marketing, animal nutrition, animal reproduction, animal welfare, and equine exercise physiology. Students work closely with faculty through small classes and mentored research.

## Student Organizations

- **Alpha Gamma Rho:** Join Truman's social and professional fraternity primarily for Agricultural Science majors.
- **Animal Agriculture Club:** Join like-minded students to gain additional hands-on experience working with all species of livestock and bringing professional speakers to campus.
- **Collegiate Cattlemen's Association:** Link to the professional development activities of the Missouri Cattlemen's Association.
- **Collegiate Farm Bureau:** Gain opportunities to work with local, state and national leaders in government and agriculture policy.
- **Delta Tau Alpha:** Receive recognition for your high standards of scholarship, leadership, and character as an agriculture major.
- **Equestrian Team:** Check out our very successful Equestrian Team if you are interested in competing in either Western or English disciplines. ([equestrian.truman.edu](http://equestrian.truman.edu))
- **Pre-Vet Club:** Prepare for a career in veterinary science. Pre-Vet Club is open to interested students from any major.
- **Sigma Alpha:** Join this agricultural sorority for a balance of fellowship and service.

## Curriculum

- **Major:** Agricultural Science Major (Bachelor of Science) with areas of specialization in:
  - Agricultural Business
  - Equine Science
  - Horticulture and Agronomy
  - Pre-Veterinary Medicine and Animal Science
- **Minors:** Majoring in something other than Agricultural Science? Minors allow you to broaden your coursework and experiences at Truman. Declare a minor in any of the following areas.
  - Agricultural Business
  - Agricultural Studies
  - Equine Studies
- **Learning Plan:** In addition to the core agriculture courses required of all Agricultural Science majors, you will develop a customized Learning Plan of agriculture electives and related courses to suit your unique career aspirations and allow for specialization.



"I am continually impressed at the research opportunities available to Truman students. Working on research allows students to develop a closer relationship with a professor and go more in depth on a topic that interests them."

**Kelly Walter**  
 Assistant Professor of Agricultural Science

## Consortium of Five Agriculture Universities

- The Consortium of Five Universities was developed to enhance food security through education.
- Shared resources between Truman State University, Missouri State University, University of Central Missouri, Northwest Missouri State University, and Southeast Missouri State University extend the capacity of each institution.
- Receive expanded course selection with online elective agricultural curriculum.

## University Farm

The 400-acre University Farm just 1.5 miles from campus features...

- a riding/breeding horse herd,
- a herd of Gelbvieh beef cattle,
- agronomy research plots,
- greenhouses,
- an orchard,
- vineyards,
- garden plots, and more!

## Research

- Deepen your knowledge by undertaking research with a faculty mentor; competitive funding is available for independent projects.
- Recent funded projects include examinations of the effect of weight load on stride characteristics in horses and the impact of probiotics on cattle stress and feed efficiency.

## Internships

- Many students build on classroom learning through internships, which may be completed for experience, pay, and/or academic credit. Intern employers range from large companies like Monsanto and Smithfield to small community supported agriculture farms.

## Careers

- Over the past 15 years, Truman's Agricultural Science graduates have averaged a 51% acceptance rate to University of Missouri's Veterinary Medicine school, compared to a 39% rate for other in-state applicants.
- Approximately two-thirds of Agricultural Science majors go directly into careers after graduation, pursuing positions in agronomy, animal science, or agricultural marketing with agricultural businesses, large and small. Other students find career opportunities in conservation or natural resource management with governmental organizations.
- Overall, about one-third of graduates go on to graduate or professional school, pursuing degrees in law, vet medicine, plant breeding, genetics and genomics, animal nutrition, animal reproduction, and agricultural economics, among others.