Career Outlook

The opportunities in agricultural systems technology are diverse and challenging. Skilled graduates are needed in areas of work related to agricultural structures, electronics/electrical power, precision agriculture/GPS, agricultural power, metal process, agricultural safety and food engineering/processing. A person with a degree in agricultural systems technology may be involved in one of a great number of agricultural careers, such as working for an agricultural equipment corporation, managing a machinery dealership, serving as a sales representative for an irrigation equipment company or as a farm manager.

Each year the agriculture industry is becoming more technologically advanced. This creates a need for trained specialists to manage agricultural systems. This field of study is geared toward a student with an inquisitive mind that enjoys solving problems and testing new ideas.

Academic Highlights

The curriculum in Agricultural Systems Technology teaches the mechanical and physical principles that relate to the design, operation, maintenance and management of systems used in agriculture. A balanced selection of courses such as agricultural processing systems, agricultural buildings and construction, agricultural power systems, agriculture safety, agricultural electrification systems, precision agriculture/GPS and soil and water engineering incorporate theory and hands-on training that will permit graduates to enter into satisfying and rewarding careers.

Facilities

Agricultural Systems Technology facilities include classrooms, laboratories, a state-of-the-art computer lab and offices housed in the south wing of Oakley Applied Science Building, the E.B. Howton Agricultural Systems Technology Building and the West Farm Agricultural Systems Technology Facility.

Hutson School of Agriculture has four farm complexes located within a mile of the main campus. These complexes include three greenhouses, agronomy plots, the Beef Complex, the Wm. Bill Cherry Agricultural Exposition Center and the Equine Center. These facilities are utilized for classes, contests, field days, judging contests, clinics, agritourism events and numerous agricultural activities.

Organizations

**Agriculture Engineering Technology Club**
- The club’s mission is to promote the growth and science of Agricultural Systems Technology through fellowship among members with kindred interests.
- Furnishes career contacts for agricultural systems technology students.
- Helps to develop new interests and improve agricultural instruction.
- Promotes the Hutson School of Agriculture at Murray State University.

For More Information Contact

**Recruitment Coordinator**
**Murray State University**
**Hutson School of Agriculture**
(270) 809-3329
msu.ag@murraystate.edu

Visit Our Website
www.murraystate.edu/agr
## GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

<table>
<thead>
<tr>
<th>Dept.</th>
<th>No.</th>
<th>Description</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>ORAL AND WRITTEN COMMUNICATION</td>
<td>7 HRS</td>
<td>ENG 105 Critical Reading, Writing &amp; Inquiry</td>
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<td>COM 161 Intro. to Public Speaking</td>
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<tr>
<td>SCI. INQUIRY, METHODS, QUANT. SKILLS</td>
<td>12/13 HRS</td>
<td>MAT 130 Technical Math I OR MAT 140 College Algebra</td>
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<td>CHE 105 Intro. Chemistry</td>
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<td>BIO 101 Biological Concepts</td>
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<td>WORLD HISTORICAL LIT. AND PHILOSOPHY</td>
<td>6 HRS</td>
<td>CV 201 World Civilizations I</td>
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<td>HUM 211 Western Humanities Tradition</td>
<td>3</td>
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<tr>
<td>GLOBAL AWARENESS AND CULT. DIVERSITY</td>
<td>3 HRS</td>
<td>Select One of the Following Courses</td>
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<tr>
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<td>AGR 200 International Ag Experience</td>
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<td>AGR 353 World Food, Ag &amp; Society Basic Spanish &amp; Culture for Agriculture</td>
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<td>SOCIAL AND SELF AWARENESS</td>
<td>6 HRS</td>
<td>AGR 199 Contemporary Issues in Ag</td>
<td>3</td>
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<td>Elective</td>
<td>3</td>
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<tr>
<td>UNIVERSITY STUDIES ELECTIVES</td>
<td>6 HRS</td>
<td>EES 199 Earth Science OR PHY 130 General Physics I OR CHE 210 Brief Organic Chem AND CHE 215 Organic Chem Lab AND Electives</td>
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<td>40-41 HOURS OF UNIVERSITY STUDIES</td>
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### Approved Ag Systems Technology Electives*
- AGR 379 Field Equipment Technology Management
- AGR 470 Soil and Water Engineering
- AGR 471 Applications in Precision Agriculture
- AGR 488 Cooperative Education/Internship
- AGR 489 Cooperative Education/Internship
- AGR 551 Selected Studies in Agriculture
- AGR 570 Ag Systems Technology Lab Management
- AGR 571 Advanced Precision Agriculture
- AGR 572 Advanced Metal Work
- AGR 573 Agriculture Processing Systems
- AGR 574 Agriculture Irrigation and Water
- AGR 575 Combine and Grain Handling Systems
- AGR 576 Agriculture Electrification
- AGR 578 Research and Development of Agriculture Tractors and Equipment

In addition to the BSA in Agricultural Systems Technology, MSU does offer an Unmanned Aerial Systems Minor and Certificate. The minor requires 21 hours of study including UAS 110, UAS 310, UAS 410, UAS 480 and 9 advisor approved electives. The certificate requires a total of 15 hours including UAS 110, UAS 310, UAS 410, UAS 480 and 3 advisor approved electives.