MURRAY STATE UNIVERSITY

Hutson School of Agriculture

Bachelor of Science in Agriculture
Agronomy

Offering career preparation in the development and practical application of plant and soil science to produce abundant, high-quality food, feed and fiber crops. Agronomy is related to genetics, breeding, physiology, and crop and soil management. It involves aspects of soil use, including reclamation, waste disposal, waterways and construction.

Career Outlook

Based on a recent U.S. Department of Agriculture survey, there will be a shortfall of agriculture graduates necessary for future growth in agricultural productivity. Recent advances in precision agriculture and the advent of genetically engineered crops are providing new career options for agronomists. There are new opportunities for those becoming Certified Crop Advisors (CCA). The variety of jobs for agronomics is extremely diverse. Typical career occupations include extension agent, grain buyer, soil scientist-USDA, soil conservationist-USDA, tobacco market specialist, grain grader and seed analyst. Some agronomists serve as farm credit specialists with banks and farm lending agencies.

Organizations

The Agronomy Club is organized to support students in agronomy through field trips and other club activities. Some of the club activities include off campus trips, guest speakers, and the sale and distribution of crop, weed, and seed identification sets. The Agronomy club also sponsors the MSU Soil Judging Team and Collegiate Crops Contest Test.

Visit Our Website

www.murraystate.edu/agr

Facilities

Hutson School of Agriculture facilities include classrooms, laboratories and offices housed in the south wing of the Oakley Applied Science Building, the A. Carman Animal Health Technology Center, the E.B. Howton Agricultural Engineering Building, the Agricultural Engineering Instructional Facility/Farm Shop and the Equine Instructional Facility.

The university also owns four farm complexes. The West Farm Complex, The North Farm Complex and The Pullen Farm Complex are all located within a mile of MSU's main campus. These complexes are utilized for classes, contests, field days, judging contests, clinics and numerous agriculture activities.

The Pullen Farm Complex is of particular interest to students studying agronomy and horticulture. The farm was bequeathed to the university by the late Mrs. Mabel Garrett Pullen. It is used as an agronomy and horticulture research and teaching center. This center allows students to get practical experience and provides a unique opportunity to expand the study of plant sciences at MSU.

Additionally, The Garrett Farm is currently being developed into another agronomy research faciltiy to benefit Hutson School of Agriculture students.

For More Information Contact

Recruitment Coordinator
Murray State University
Hutson School of Agriculture
(270) 809-3329
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MURRAY STATE UNIVERSITY
HUTSON SCHOOL OF AGRICULTURE
AGRONOMY CURRICULUM
2014-2015 CATALOG

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATIONS				**7 HRS**
ENG	105	Critical Reading, Writing & Inquiry	4	
COM	161	Intro. to Public Speaking	3	
SCIENTIFIC INQUIRY, METHODOLOGIES				**12 HRS**
BIO	222	Botany	4	
CHE	105	Intro. to Chemistry I	4	
MAT	140	College Algebra	4	
WORLD'S HISTORICAL, LITERARY…				**6 HRS**
CIV	201	World Civilizations I	3	
HUM	211	Western Humanities Tradition	3	
GLOBAL AWARENESS				**3 HRS**
Select One of the Following Courses				
AGR	200	International Ag Experience	3	
AGR	353	World, Food & Ag	3	
SPA	106	Spanish for the Ag Industry	3	
SOCIAL AND SELF-AWARENESS				**6 HRS**
BIO	103	Saving Planet Earth **OR**		
POL	140	American National Gov	3	
AGR	199	Contemporary Issues in Ag	3	
UNIVERSITY STUDIES APPROVED ELECTIVES				**8 HRS**
CHE	210	Brief Organic Chemistry	3	
CHE	215	Organic Chemistry Lab	1	
GSC	199	Earth Science	4	
42 HOURS OF UNIVERSITY STUDIES				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES				**26 HRS**
AGR	100T	Transitions (Freshmen Orientation)	1	
AGR	100	Animal Science	3	
AGR	130	Intro. to Agribusiness	3	
AGR	133	Field Applications for Ag	2	
AGR AGR	160 240	Horticultural Science **OR** Crop Science (preferred)	3	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemporary Issues in Ag	3	
AGR	339	Computer Applications for Ag	3	
AGR	345	Soil Science	3	
AGR	399	Professional Development Seminar I	1	
AGR	599	Ag Senior Capstone	1	

AGRICULTURE CURRICULUM COURSES CONTINUED

Dept.	No.	Description	Hrs.	Gr.
AGRONOMY OPTION COURSES				**25 HRS**
AGR	346	Soil Science Lab	1	
AGR	378	Ag Environment Management Systems	3	
AGR	455	Soil Management	3	
AGR	470	Soil & Water Engineering	3	
AGR	471	App. To Precision Ag	3	
AGR	542	Plant Breeding I	3	
AGR	546	Pest Management	3	
AGR	547	Crop Management	3	
AGR	549	Weeds & Their Control	3	
REQUIRED SUPPORT COURSES				**15 HRS**
SELECT ONE EMPHASIS LISTED BELOW				
PRACTICUM EMPHASIS				**15 HRS**
AGR	498	Agronomy Practicum	12	
Select One of the Following Courses				
AGR	330	Principles of Agribusiness		
AGR	433	Farm Management		
AGR	543	Records Mgt & Reg Issues		
AGR	571	Advanced Precision Ag	3	
SALES/PRODUCTION EMPHASIS				**15 HRS**
AGR	330	Principles of Ag Bus	3	
AGR	433	Farm Management	3	
AGR	333	Agribusiness Records & Analysis	3	
AGR AGR	336 337	Ag Marketing & Price Analysis **OR** Ag Sales & Merchandising	3	
Agronomy Advisor Approved Elective:			3	
RESEARCH EMPHASIS				**15 HRS**
AGR	328	Stats for Food & Ag	3	
AGR	571	Advanced Precision Ag	3	
BIO	300	Intro to Microbiology	4	
Agronomy Advisor Approved Research Electives:			5	
UNRESTRICTED ELECTIVES				**12 HRS**