

AGRICULTURAL SCIENCE, A.A.S.

Entry Time

Fall, Spring

Award

Associate of Applied Science degree

2 years (5 terms including summer)

Agricultural Science AAS prepares students for employment in the food production chain. Students can pursue specialized studies (options) in general ag production, or beef, swine or crop production and precision agriculture. Students who want to take courses from more than one of these areas can customize their studies with the assistance of a faculty member. This program includes an internship. Specialization certificates can be earned as part of the AAS degree or earned separately.

Students in the Agricultural Science AAS program may elect to receive the diploma after completing the required courses. Please consult with the Agriculture Sciences Department for more information regarding this option.

Career Opportunities

- farm management
- swine production facilities
- feedlots
- cattle ranches
- herdsman positions
- crop production
- agronomy positions

Degree Requirements

Term 1		Credit Hours
AGC-116	Professionalism in Ag	1
AGC-103 or CSC-116	Ag Computers or Information Computing	3
ENG-105	Composition I	3
MAT-607 or MAT-102	Survey of Data or Intermediate Algebra	3
AGC-123	Applied Ag Concepts	1
AGS-113 or AGA-114	Survey of the Animal Industry or Principles of Agronomy	3
Agricultural Technical Courses		5
Term Totals:		19
Term 2		
AGS-319 or AGA-154	Animal Nutrition or Fundamentals of Soil Science	3
Humanities or History/Culture Course (https://creditcatalog.kirkwood.edu/aas-degree-humanities-requirement/)		3

AGC-210	Employment Seminar	1
Agricultural Technical Course		3
BIO-104 or CHM-110	Introductory Biology w/Lab or Introduction to Chemistry	3
SPC-101 or SPC-112 or ENG-106	Fundamentals of Oral Communication or Public Speaking or Composition II	3
Term Totals:		16
Term 3		
Summer		
Approved industry internship required for graduation as outlined by internship supervisor		
Term Totals:		0
Term 4		
AGS-214 or AGP-333	Domestic Animal Physiology or Precision Farming Systems	3
Agricultural Technical Courses		10
Agricultural Business Courses		3
Term Totals:		16
Term 5		
Agricultural Business Courses		6
Agricultural Technical Courses		9
Select one of the following:		3
ECN-130	Principles of Microeconomics	
MGT-145	Human Relations in Management	
PSY-111	Intro to Psychology	
SOC-115	Social Problems	
Term Totals:		18
Program Totals:		69

Agricultural Technical Courses

Code	Title	Credit Hours
AGA-216	Row Crop and Forage Production	4
AGA-221	Field Crop Harvesting/Drying	4
AGA-170	Fertilizer Management	3
AGS-500	Beef Industry Management	3
AGS-501	Cattle Processing Lab	2
AGS-502	Cow Calf Production	2
AGS-503	Cow Calf Lab	1
AGS-516	Beef Science Management	2
AGS-517	Livestock Merchandising Lab	1
AGS-512	Beef Breeding/Nutrition	3
AGS-513	Reproduction/Nutrition Lab	2
AGS-531	Swine Reproduction and Management	3
AGS-532	Swine Reproduction and Management Lab	2
AGS-350	Artificial Insemination of Cattle	1

AGS-356	Livestock Behavior and Welfare	3
AGS-357	Livestock Behavior and Welfare Lab	2
AGS-425	Swine Systems Management	3
AGS-441	Livestock Housing & Equipment	3
AGP-143	Fundamentals of Electricity for GPS	1
AGM-334	Advanced Ag Electronics	2
AGP-435	Advanced Precision Farming: Software Software	3
AGP-440	Ag Applications of Digital Imagery	3
AGA-376	Integrated Pest Management	3
FLS-141	Elementary Spanish I	4
BIO-104	Introductory Biology w/Lab	3
CHM-110	Introduction to Chemistry	3
PHY-120	Introductory Physics	3
AGS-113	Survey of the Animal Industry	3
AGA-114	Principles of Agronomy	3
AGS-319	Animal Nutrition	3
AGA-154	Fundamentals of Soil Science	3
AGS-214	Domestic Animal Physiology	3
AGC-420	Issues in Agriculture	3
AGA-283	Pesticide Appl Certification	2
AGP-405	Ag Applications of GIS	3
AGP-420	Geospatial Data Collection	3
AGP-425	Agricultural Spatial Analysis	3
AGP-438	Precision Ag Hardware Machinery Servicing	2
AGP-333	Precision Farming Systems	3

Agricultural Business Courses

Code	Title	Credit Hours
AGB-331	Entrepreneurship in Agriculture	3
AGB-336	Agricultural Selling	3
AGB-470	Farm Records, Accounts, Analys	3
AGB-330	Farm Business Management	3
AGB-466	Agricultural Finance	3
AGB-235	Intro to Agriculture Markets	3
AGB-101	Agricultural Economics	3
AGB-252	Ag Industry Business Mgmt	3
ACC-152	Financial Accounting	4