

AGRICULTURE

The Associate of Applied Science degree in Agriculture provides students with options to earn a degree in Agriculture, while selecting classes which focus on their areas of interest. Core classes and general education requirements are common to both options. Students then select from recommended electives to complete their degree in Agriculture with a Concentration in either Mechanized Agriculture or Urban Agriculture. This degree is commonly sought by students planning to return to their family or home operations with skills that will help them to add value, diversity, or become entrepreneurs. Many students also secure employment in local agricultural businesses.

Required Program of Study for Associate of Applied Science Degree (2 years)

Agriculture Core Courses		General Education Courses	
Course	Credits	Course	Credits
AGRI 1005 Precision Agriculture Systems	3	MATH 1020 Technical Mathematics I	3
AGRI 1030 Soil Science	3	AGRI 1500 Microcomputer Applications in Agriculture	3
AGRI 1040 Soil Science Lab OR HORT 1040 Intro to Soil Science Lab	1	ENGL 1050 Workplace Communication	3
AGRI 1105 Issues in Agriculture I	1	AGRI 1410 Introduction to the Economics of Agriculture	3
Internship or course options*	3-4	AGRI 1420 Interpersonal Skills	3
AGRI/HORT 2890 Capstone Course	1		15
	<u>12-13</u>		

*Select one of the following: AGRI/HORT 1300 Cooperative Internship I, AGRI 2020 Crops and Irrigation, AGRI 2040 Livestock Production I, or AGRI 1115 Issues in Agriculture II and AGRI 2115 Global Opportunities in Agriculture Leadership Studies.

Core Requirements	12-13
General Education Requirements	15
Concentration Courses**	<u>36-40</u>
Total Credits	63-68

Concentration in Mechanized Agriculture**		Concentration in Urban Agriculture**	
Course	Credits	Course	Credits
AGRI 1050 Farm Welding	1	HORT 1010 Horticulture Science	4
AGRI 1060 Farm Welding Lab	2	HORT 1090 Integrated Pest Management	2
AGRI 1130 Large Engine Maintenance	1	HORT 1070 Plant Propagation	2
AGRI 1140 Large Engine Maintenance Lab	2	HORT 1080 Plant Propagation Lab	1
AGRI 1400 Farm and Environmental Safety	2	HORT 2020 Nursery Greenhouse Management	4
AGRI 1280 Crop Chemicals	2	HORT 2080 Woody Perennial Identification	3
AGRI 1350 Tillage, Planting and Spraying Equipment	1	HORT 2090 Herbaceous Perennial Identification	3
AGRI 1360 Tillage, Planting and Spraying Equipment Lab	1	HORT 2120 Horticulture Irrigation & Equipment	3
AGRI 1290 International Agriculture and Agribusiness	3	HORT 2160 Vegetable Gardening and Farm Production	3
AGRI 2015 Farm and Ranch Management	4	HORT 2165 Value Added Diversified Marketing	3
AGRI 2100 Farm Electricity and Wiring	1	BIOS 2020 Introduction to Environmental Issues	4
AGRI 2105 Farm Electricity and Wiring Lab	2	AGRI 1150 Entomology	3
AGRI 2200 Advanced Fertilizers	2	Select an Agriculture, Horticulture, Science, or other approved elective(s) (see your advisor)	1-4
AGRI 2250 Grain Harvesting and Handling Systems ...	3		<u>36-39</u>
AGRI 2010 Irrigation and Equipment	3		
AGRI 2140 Farm Welding Repair and Projects	1		
AGRI 2150 Farm Welding Repair and Projects Lab ...	2		
AGRI 1131 Plant Science	3		
AGRI 1132 Plant Science Lab	1		
AGRI 2290 Agricultural Commodities Marketing	3		