

AGRICULTURE - MECHANIZED

Mechanized Agriculture program prepares students to maintain machinery and equipment for agricultural use. The curriculum trains students to repair and maintain all types of agricultural equipment, and includes farm welding, engine repair and tune-ups, and the proper calibration of planting, irrigation, harvesting equipment, and precision farming (GPS/GIS). Additionally, courses in business management, agricultural records, marketing, and the use of computers are included in the program of study.

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

FIRST YEAR

Fall Semester	
Course	Credits
AGRI 1005 Precision Agriculture Systems	3
AGRI 1030 Soil Science	3
AGRI 1040 Soil Science Lab	1
AGRI 1105 Issues in Agriculture I*	1
AGRI 1130 Large Engine Maintenance	1
AGRI 1140 Large Engine Maintenance Lab	2
AGRI 1400 Farm and Environmental Safety	2
MATH 1020 Technical Mathematics I*	3
	16

Spring Semester	
Course	Credits
AGRI 1050 Farm Welding	1
AGRI 1060 Farm Welding Lab	2
AGRI 1131 Plant Science	3
AGRI 1132 Plant Science Lab	1
AGRI 1280 Crop Chemicals	2
AGRI 1350 Tillage, Planting and Spraying Equipment	1
AGRI 1360 Tillage, Planting and Spraying Equipment Lab	1
AGRI 1410 Introduction to the Economics of Agriculture*	3
AGRI 1500 Microcomputer Applications in Agriculture*	3
	17

Internship Options**

Course	Credits
Select one of the following options:	3-4
AGRI 1300 Cooperative Internship I,	3
AGRI 2020 Crops and Irrigation (<i>summer</i>),	3
AGRI 2040 Livestock Production Management (<i>summer</i>), OR	3
AGRI 1115 Issues in Agriculture II & (<i>pre-requisite to AGRI 2115 must be taken in preceding semester</i>)	
AGRI 2115 Global Opportunities in Agricultural Leadership (<i>International travel</i>)	4

SECOND YEAR

Fall Semester	
Course	Credits
AGRI 1290 International Agriculture and Agribusiness	3
AGRI 2015 Farm and Ranch Management	4
AGRI 2100 Farm Electricity and Wiring	1
AGRI 2105 Farm Electricity and Wiring Lab	2
AGRI 2200 Advanced Fertilizers	2
AGRI 2250 Grain Harvesting and Handling Systems ...	3
ENGL 1050 Workplace Communication*	3
	18

Spring Semester	
Course	Credits
AGRI 1420 Interpersonal Skills*	3
AGRI 2010 Irrigation and Equipment	3
AGRI 2140 Farm Welding Repair and Projects	1
AGRI 2150 Farm Welding Repair and Projects Lab ...	2
AGRI 2290 Agricultural Commodities Marketing	3
AGRI 2890 Agriculture Capstone Experience	1
	13
Total Credit Hours	67-68

*Course fulfills a general education requirement for Northeast Community College. See general education requirements.

**See advisor for assistance choosing elective(s).

***Work with your advisor to choose the internship option that best fits your goals.