

MECHANIZED AGRICULTURE OPTION

The Mechanized Agriculture option 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). As in all Northeast agricultural options, courses in business management, agricultural records, marketing, and the use of computers are included in the program of study. **See page 63 for Agriculture required program of study.**

FRESHMAN YEAR

First Semester

Course	Credits
AGRI 1000 Microcomputer Applications.....	2
AGRI 1290 International Agriculture and Agribusiness.....	3
AGRI 1030 Introduction to Soil Science.....	3
AGRI 1040 Introduction to Soil Science Lab	1
AGRI 1050 Farm Welding.....	1
AGRI 1060 Farm Welding Lab.....	2
AGRI 1400 Farm and Environmental Safety.....	2
MATH 1040 Applied Mathematics I.....	3
	<hr/> 17

Second Semester

Course	Credits
AGRI 1210 Crop Production	3
AGRI 1220 Crop Production Lab	1
AGRI 1240 Advanced Farm Welding.....	1
AGRI 1250 Advanced Farm Welding Lab.....	2
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 1420 Interpersonal Skills	3
	<hr/> 17

Summer

AGRI 2020 Crops and Irrigation	3
AGRI 2030 Crops and Irrigation Lab	1.5
	<hr/> 4.5

NOTE: AGRI 2020 and 2030 are required for the farm mechanics option. AGRI 2040 and 2050 are optional. AGRI 1300, Cooperative Internship I (8 credit hours), may be substituted for the summer courses. If taking AGRI 1300, you must register for AGRI 1120 during freshman spring semester.

SOPHOMORE YEAR

First Semester

Course	Credits
AGRI 1020 Introduction to Farm Management Records.....	4
AGRI 2100 Farm Electricity and Wiring.....	1
AGRI 2110 Farm Electricity and Wiring Lab.....	1
AGRI 2200 Advanced Fertilizers	2
AGRI 2250 Grain Harvesting & Handling Systems.....	3
AGRI 2450 Modern Technologies in Ag or AGRI 2400 Forage, Pasture & Grassland Production.....	3
AGRI 2410 Forage, Pasture & Grassland Production Lab	1
ENGL 1050 Career Composition	3
	<hr/> 18

Second Semester

Course	Credits
AGRI 1150 Introduction to Entomology.....	3
AGRI 1310 Agribusiness Management	3
AGRI 2000 Integrated Spreadsheet Applications.....	3
AGRI 2010 Irrigation and Equipment.....	3
AGRI 2140 Advanced Farm Welding Projects.....	1
AGRI 2150 Advanced Farm Welding Projects Lab.....	2
AGRI 2290 Advanced Agricultural Marketing.....	3
AGRI 2880 Principles of Agricultural Selling.....	2
	<hr/> 20

Total Credit Hours

76.5

NOTE: If student enrolls in ENGL 1010, an oral communication class will also be required. See General Education Requirements on page 37.

Up to 39 credit hours of agriculture courses in the above Northeast Agriculture Option will transfer to Wayne State College for the Bachelor of Science Degree/Technology Major/Ag-Tech Option. Twenty-seven hours of lower division (sophomore level and below) general education credits will also transfer to Wayne State College for a total of 66 credit hours.