

DIVERSIFIED AGRICULTURE OPTION

The broad-based diversified agriculture option prepares students for a wide variety of employment possibilities. Graduates may choose to return to a family farm operation or work for a large, diversified farm or private and commercial cattle feedlot and swine farrowing operations. Opportunities also exist in the animal health field, feed, seed, and fertilizer industries in sales or management positions. The diversified agriculture option gives students a well-rounded background for a wide variety of career opportunities in the agriculture industry.

Students benefit from a broad curriculum ranging from livestock and crop production to marketing skills. Students study the latest advancements in agriculture production technology, agriculture record keeping, and computer analysis, thus preparing to make sound business decisions for a profitable farming operation. Courses in computers, agribusiness management, marketing, agricultural records, agricultural sales, agricultural law, and precision farming (GPS/GIS) form a framework for specific courses in animal science and agronomy. **See page 63 for Agriculture required program of study.**

FRESHMAN YEAR

First Semester	
Course	Credits
AGRI 1000 Microcomputer Applications.....	2
AGRI 1010 Animal Science	3
AGRI 1290 International Agriculture and Agribusiness.....	3
AGRI 1030 Introduction to Soil Science.....	3
AGRI 1040 Introduction to Soil Science Lab	1
AGRI 1340 Animal Science Lab	1
AGRI 1400 Farm and Environmental Safety.....	2
MATH 1040 Applied Mathematics I.....	3
	18

Second Semester	
Course	Credits
AGRI 1210 Crop Production	3
AGRI 1220 Crop Production Lab	1
AGRI 1230 Feeds and Feeding.....	3
AGRI 1280 Crop Chemicals.....	2
AGRI 2290 Advanced Agricultural Marketing.....	3
AGRI 1410 Introduction to the Economics of Agriculture.....	3
AGRI 1420 Interpersonal Skills	3
	18

Summer	
Course	Credits
AGRI 2020 Crops and Irrigation	3
AGRI 2030 Crops and Irrigation Lab	1.5
	4.5

OR

AGRI 2040 Livestock Production I.....	3
AGRI 2050 Livestock Production I Lab.....	1.5
	4.5

NOTE: The Diversified Agriculture option requires that one or more of the summer courses and their labs be taken. 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 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
AGRI 2880 Principles of Agricultural Selling.....	2
ENGL 1050 Career Composition.....	3
	17-18

Second Semester	
Course	Credits
AGRI 2000 Integrated Spreadsheet Applications.....	3
AGRI 2210 Animal Health.....	3
AGRI 1310 Agribusiness Management	3
AGRI 2870 Agricultural Law	3

Select 1 of the following 4 courses:

AGRI 2820 Equine Production Management.....	2
AGRI 2840 Cow Calf Production Management.....	2
AGRI 2850 Sheep Production Management.....	2
AGRI 2860 Dairy Production Management.....	2

Select 1 of the following 3 courses:

AGRI 1150 Intro to Entomology	3
AGRI 1320 Animal Reproduction Physiology	3
AGRI 2460 Resource-Efficient Crop Management	3
	17

Total Credit Hours 74.5-75.5

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.