IRRIGATION TECHNOLOGY OPTION

Demand for qualified center pivot irrigation service technicians is high locally, nationally, and worldwide. Specialized training offered through the irrigation technology option prepares students for numerous successful career opportunities in an advancing technical industry. Irrigation industry leaders have provided input to the development of the irrigation technology option, and they expect to annually hire graduates from this program at a highly attractive industry salary.

In the irrigation technology option, students learn valuable technical and management skills that provide them with an excellent background for employment in the center pivot irrigation industry. A combination of specialized electrical, technical welding, and agriculture classes give students a balanced education in irrigation technology. Students also have the opportunity for hands-on learning with the latest irrigation equipment, and an internship in the irrigation industry helps to further develop skills. **See page 63 for Agriculture required program of study.**

FRESHMAN YEAR

First Semester

Course	Credits
AGRI 1000 Microcomputer Applications	2
AGRI 1410 Introduction to Economics in Agriculture	3
AGRI 2450 Modern Technologies in Ag	3
ELTR 1010 Basic Electricity	3
ELTR 1020 Basic Electricity Lab	2
ELTR 1055 National Electrical Code I for Irrigation Technology	3
MATH 1030 Applied Mathematics I	2
	18

Second Semester

Course	Credits
AGRI 1270 Level I Mechanized Irrigation Systems (optional)	2
AGRI 1420 Interpersonal Skills	3
AGRI 2010 Irrigation and Equipment	3
ELTR 1230 Motor Control	2
ELTR 1240 Motor Control Lab	2
ELTR 1260 Basic Auto Sketch	1
ELTR 1270 Irrigation Wiring Systems	3
ENGL 1050 Career Composition	3
MATH 1060 Applied Mathematics II	2
	19-21

Summer

AGRI 1300 Cooperative Internship I	4
And ELTR 1300 Cooperative Internship I	4
	8

SOPHOMORE YEAR

First Semester

Course	Credits
AGRI 1050 Agriculture Welding	1
AGRI 1060 Agriculture Welding Lab	2
AGRI 2470 Valley Linear Irrigation Machines (optional)	2
AGRI 2880 Principles of Agricultural Selling	2
ELTR 2000 Motor Repair	2
ELTR 2010 Motor Repair Lab	1
ELTR 2020 Introduction to Automation	2
ELTR 2030 Introduction to Automation Lab	2
ELTR 2050 Electrical Troubleshooting	4
ELTR 2060 Electrical Troubleshooting Lab	1
	17-19

Second Semester

Course	Credits
AGRI 1310 Agribusiness Management	3
AGRI 2000 Integrated Spreadsheet Applications	3
AGRI 2420 Hydraulic Components & Irrigation Principles	3
AGRI 2480 Valley Communications System (optional)	2
ELTR 2210 Control Wiring	3
ELTR 2225 Control Wiring and Solid State Lab for Irrigation Technology	3
ELTR 2255 Solid State Fundamentals for Irrigation Technology	2
	17-19

Total Credit Hours **79-85**

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.

SEE PAGES 166-170 FOR AGRICULTURE COURSE DESCRIPTIONS.