

**Required Program of Study for Associate of Applied Science Degree (2 years)
Irrigation Technology Option**

Freshman Year

FIRST SEMESTER

Course	Credits
AGRI 1000 Microcomputer Applications	2
AGRI 1020 Introduction to Agricultural Records	3
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 1050 National Electric Code I	3
MATH 1030 Applied Mathematics I	2
	21

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 1050 Applied Mathematics II	2
	19-21

SUMMER

AGRI 1300 Cooperative Internship I	4
<u>And</u> 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 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 2220 Control Wiring and Solid State Lab	5
ELTR 2250 Solid State Fundamentals	4
	18-20

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

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.