

MECHANIZED IRRIGATION

This program prepares students to become mechanized irrigation technicians, preparing them with basic concepts and skills of agricultural equipment technology, electrical technology, welding, as well as specialized knowledge and skills in mechanized irrigation systems. Students will receive a work-based learning experience via a co-op/field experience with a local irrigation dealership placement.

Program Outcomes

1. Think critically.
2. Communicate efficiently.
3. Exhibit information competency.
4. Recognize diverse perspectives.

Requirements

Code	Title	Credits
Required Coursework		30.00
AGT-101	HYDRAULIC THEORY & OPERATION	
AGT-103	FUNDAMENTALS OF ENGINES	
AGT-220	DIESEL TECH FIELD EXPERIENCE ¹	
AGT-250	MECHANIZED IRRIGATION SYSTEMS	
COM-150	PUBLIC SPEAKING ¹	
ELEC-110	BASIC ELECTRICITY	
ELEC-111	INTRODUCTION TO AC/DC CIRCUITS	
ELEC-119	INTRO TO THE NATIONAL ELECTRICAL CODE	
WELD-190	APPLIED WELDING FOR SKILLED TRADES	
Total Credits		30.00

¹ Billing for Field Experience (Co-Op) courses is on the basis of credits, not contact hours.

Tuition is calculated by contact hours per semester.

Current/Updated: 07/01/2023

Course	Title	Credits
Fall 1		
AGT-101	HYDRAULIC THEORY & OPERATION	2.00
AGT-103	FUNDAMENTALS OF ENGINES	3.00
ELEC-110	BASIC ELECTRICITY	4.00
ELEC-119	INTRO TO THE NATIONAL ELECTRICAL CODE	4.00
Credits		13.00
Winter 1		
AGT-250	MECHANIZED IRRIGATION SYSTEMS	4.00
COM-150	PUBLIC SPEAKING	3.00
ELEC-111	INTRODUCTION TO AC/DC CIRCUITS	4.00
WELD-190	APPLIED WELDING FOR SKILLED TRADES	4.00
Credits		15.00
Summer 1		
AGT-220	DIESEL TECH FIELD EXPERIENCE	2.00
Credits		2
Total Credits		30.00