

SKILL CERTIFICATE IN AG IRRIGATION TECHNICIAN

This certificate prepares students to manage one of agriculture's most valuable resources, water. Students completing this certificate will get hands on training in agriculture irrigation systems from the pump to the plant. Training will consist of pump selection, system design, installation, usage and maintenance. Students will have an understanding of plant-soil-water relationships and will learn how to use equipment to monitor plant and soil water status in the field or remotely.

Program Outcomes

- Understand the many irrigation system components, types and models found in irrigation systems from the pump to the discharge component, including monitoring and automation.
- Understand the relationship between plants, soil and water and use that knowledge to make smart irrigation management decisions.
- Understand water hydraulics and apply that understanding to system design, operation and repair.
- Know how to and understand the need for irrigation system maintenance

Career Opportunities

Upon successful completion of this certificate, students will be prepared for employment in the following jobs: installation technician, maintenance technician, sales, on-farm irrigation installer, irrigation scheduling or irrigation auditor.

Code	Title	Units
REQUIRED CERTIFICATE COURSES		
AGTC 219	Irrigation System Design	3
AGTC 220	Irrigation Wells and Pumps	3
AGTC 222	Ag Irrigation Systems	3
PLSI 108	Ag Water Management	3
WEXP 193F	Agriculture Work Experience – First Semester	3
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TOTAL		15

The Skill Certificate requirements include completion of the certificate courses with a "C" or better grade in each course. Required and support courses may be substituted with the approval of the Agriculture Division Chair.