



# Irrigation Technology

at Walla Walla Community College

[www.wwcc.edu/wec](http://www.wwcc.edu/wec)

## The Program

The irrigation industry is experiencing a period of rapid technological advancement in labor saving and water conserving irrigation systems. Highly skilled irrigation technicians are required to design, install, operate and maintain these new products. Irrigation technicians are in high demand in the agriculture, turf maintenance, and landscape industries.

## Career Opportunities

This is a highly technical hands-on career field:

- Irrigation Designer
- Installation Foreman
- Service Technician
- Sales Personnel
- Irrigation Manager
- Contractor

## Skills You'll Develop

- Design and installation of irrigation systems
- Blueprint and schematic reading
- Electrical principles and practices
- Agronomic requirements
- Application of innovative technologies
- Maintenance and operation skills

## WWCC's Degree Options

- **Associates in Applied Arts & Sciences Degree (AAAS) in Irrigation Technology**  
A two-year degree program that prepares students for the irrigation industry.
- **Center Pivot Certificate**



## For More Information

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Walla Walla Community College ... *Your Best Choice*

# Irrigation Technology

**Required Coursework for  
Center Pivot Certificate and  
Irrigation Technology AAAS Degree**  
*The actual order and specific coursework may vary  
depending on student placement, start date, and  
quarter. Please check with your advisor prior to  
any substitutions.*

## Fall Quarter

Course #	Course Name	Credits
WTM 112	Irrigation Principles	5
AGPR 140	Ag Safety and Pesticides	5
IFA 022	AHA Heartsaver First Aid	0.4
EST 132	Principles of Electricity AC Applications	5
TURF 101	Turf Equipment Operations I	3
<b>Total Credits</b>		<b>18.4</b>

## Winter Quarter

<b>WTM 135</b>	<b>Issues in Agriculture and Natural Resources (R)</b>	<b>5</b>
EST 133	Introduction to Controls	5
WTM 221	Pump Applications	3
EST 115	Industrial Mechanics	5
<b>Total Credits</b>		<b>18</b>

## Spring Quarter

<b>ENGL 097</b>	<b>Basic Expository Writing (W) or *ENG 077</b>	<b>5</b>
EST 150	Electric Motors and Motor Maintenance	5
WTM 241	Advanced Center Pivot Controls and Troubleshooting	3
<b>OCSUP 107</b>	<b>Quantitative Problem Solving for the Trades II (M) or *OCSUP 105, *OCSUP 106</b>	<b>5</b>
<b>Total Credits</b>		<b>18</b>
<b>Total Certificate Credits</b>		<b>54.4</b>

## Summer Quarter

Course #	Course Name	Credits
WTM 191	Cooperative Work Experience	6-10
<b>WTM 292</b>	<b>Cooperative Seminar II (L)</b>	<b>2</b>
<b>Total Credits</b>		<b>8-12</b>

## Fall Quarter

Course #	Course Name	Credits
AGPR 201	Basic Soil Science	5
<b>AGPR 100</b>	<b>Introduction to Ag and Natural Resource Careers (J)</b>	<b>3</b>
AGPR 113	Plant Anatomy and Morphology	5
WTM 215	Basic Fluid Dynamics of Piping Systems	3
<b>Total Credits</b>		<b>16</b>

## Winter Quarter

WTM 110	Turf Irrigation Design and Components	5
AGRI 210*	Fundamentals of Selling and Customer Service	3
ENGR&111	Engineering Graphics	4
WTM 230	Water and Energy Conservation	3
<b>Total Credits</b>		<b>15</b>

## Spring Quarter

WTM 220	Drip Irrigation	2
WTM 225	Turf Irrigation Controls, Installation and Troubleshooting	5
<b>CMST 102</b>	<b>Interpersonal Communication (O)</b>	<b>3</b>
<b>Total Credits</b>		<b>10</b>
<b>Year Two Total</b>		<b>49-53</b>
<b>Total Degree Credits</b>		<b>103.4-107.4</b>

### Notes:

Degree can be earned after completing all identified courses.

**\*For Certificate completion only, not for degree completion**

Certificate can be earned by completing first three quarters of program.

**The following courses can be substituted for identified related instruction courses.**

(W) Written Communications:	ENGL&101
(M) Math:	MATH&141, MATH 201
(O) Oral Communications:	CMST&220 or OCSUP 102
(J) Jobs:	EST 109, OCSUP 103
(R) Human Relations:	Any 192 series,
(L) Leadership:	Any 292 series
*Business Core Elective:	AGRI 201, AGRI 221, AGRI 210, AGRI 211, AGRI 102, AGRI 108, CS 110

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