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

Irrigation Technology

The Industry

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
- Water management techniques

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 and/or for transferability to Washington State University.

An Irrigation Technology Certificate is available upon completion of the first year of the program.

For More Information

Greg Farrens
(509) 527-4250
greg.farrens@wwcc.edu

Associate in Applied Arts and Sciences Degree in Irrigation Technology

This schedule lists courses required for degree completion but 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.

The required related instruction is noted in bold print. The letter in the parenthesis indicated which category of related instruction is represented by the given course as follows:

(W)- Written Communications
(M)- Computation/Mathematics
(O)- Oral Communications
(J)- Job Seeking Skills
(R)- Human Relations
(L)- Leadership

Year One — Irrigation Technology Certificate

Fall Quarter	Credits
EST 131, Principles of Electrical Theory[1]	5
WMGT 100, Orientation to Irrigation	3
WMGT 112, Irrigation Principles	5
WMGT 135, Culture of Water[2]	3
OCSUP 106, Applied Mathematics I (M)	**5**
Quarter Total	**21**

Winter Quarter	Credits
WMGT 110, Lawn and Turf Irrigation	3
WMGT 141, Irrigation Troubleshooting	7
WMGT 143, Turf & Landscaping Troubleshooting	3
WMGT 230, Water & Energy Conservation[3]	3
ENGR& 111, Engineering Graphics	4
CLS 180, Workforce Leadership Development (L)	2
Quarter Total	**22**

Spring Quarter	Credits
WMGT 191, Cooperative Work Experience[4]	16
WMGT 192, Cooperative Seminar (L)	**2**
Quarter Total	**18**

CERTIFICATE TOTAL 61

Summer Quarter	Credits
WMGT 291, Cooperative Work Experience II[4]	18
WMGT 292, Cooperative Seminar II (L)	**2**
Quarter Total	**20**

YEAR ONE TOTAL 81

Year Two — Irrigation Technology Degree

Fall Quarter	Credits
AGPR 201, Basic Soil Science	5
CET 223, Hydraulics	4
WMGT 204, Water Policy[2]	3
WMGT 241, Advanced Irrigation Systems	5
OCSUP 103, Job Seeking Skills (J)	**3**
Quarter Total	**20**

Winter Quarter	Credits
EST 260, Introduction to the National Electrical Code	2
WMGT 220, Drip Irrigation[3]	3
WMGT 221, Pump Applications	3
WMGT 225, Irrigation Design	6
CMST 102, Interpersonal Communications (O)	**3**
WRITE 100, Applied Writing (W)	**3**
Quarter Total	**20**

YEAR TWO TOTAL 40

TOTAL CREDITS 121

The following courses meet the related instructional requirements of the program (one class per category required):
(O)- OCSUP 102, CMST& 220, CMST 102
(J)- AGPR 100, BUS 292, OCSUP 103, PSYC 140
(L)- BUS 192, POLS 125, WMGT 292, CLS 180
(M)- BUS 112, MATH 050, OCSUP 106
(R)- BUS 157, OCSUP 101, PSYC&100, PSYC 111, WMGT 192
(W)- BUS 137, ENGL 097, ENGL& 101, WRITE 100, WRITE 110

****

[1] Students my substitute EST 132; Principles of Electrical AC Application for EST 131; Principles of Electrical Theory.
[2] WMGT 135: Cultures of Water is offered even years and WMGT 204: Water Policy is offered odd years. Students completing the one-year certificate may use either course.
[3] WMGT 230, Water & Energy Conservation is offered even years and WMGT 220, Drip Irrigation is offered odd years. Students completing the one-year certificate may use either course.
[4] AGPR 101; Introduction to Enviromental Studies, may be substituted for 5 credits of Cooperative Work Experience.

CIP:01.0197
EPC:130

To access degree information on the web, refer to www.wwcc.edu/water and select "Degrees" from the left-hand column.

Walla Walla Community College does not discriminate on the basis of race, color, national origin, sex, disability or age in programs and activities. Document last updated 9/2010