



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

# Watershed Ecology

## The Industry

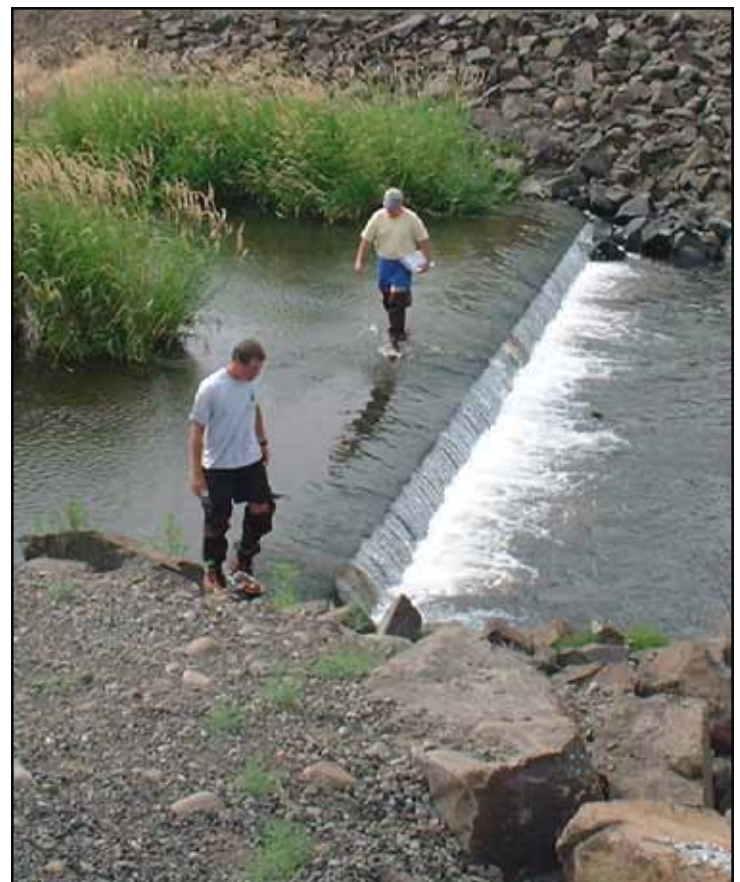
Watershed Ecology blends knowledge of biological sciences with application of cutting-edge technical skills. Technicians will be skilled in identifying and assessing natural habitat needs of fish and wildlife in relation to healthy ecosystems, with emphasis on the restoration and management of aquatic environments.

## Career Opportunities

- Forest & Conservation Technician
- Environmental Science & Protection Tech.
- Aquatic Science Technician
- Biological Aide/Technician
- Biology Specimen Technician
- Conservation Agent
- Environmental Compliance Technician
- Environmental Engineering Assistant/ Tech.
- Environmental Technician
- Field Sampling Technician
- Grazing Aid
- Ground Water Technician
- Laboratory Assistant
- Soil Technologist

## WWCC's Degree Options

Students may earn an **Associate in Applied Arts and Sciences in Watershed Ecology** upon completion of the two-year program of study. A **Watershed Ecology Certificate** is available upon completion of the first three quarters of the program.



## For More Information

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# Associate in Applied Arts and Sciences Degree in Watershed Ecology

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 indicates 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  | Watershed Ecology Certificate |
|---|-------------------------------|
| <b>Fall Quarter</b>   |                               |
| AGPR 113, Plant Anatomy & Morphology .....                                    | 3                             |
| WMGT 112, Irrigation Principles .....   | 5                             |
| <b>WMGT 135, Cultures of Water (R)<sup>2</sup></b> .....                      | <b>5</b>                      |
| WMGT 139, Watershed Management .....  | 5                             |
| <b>Quarter Total .....</b>  | <b>18</b>                     |
| <b>Winter Quarter</b>   |                               |
| ENGR& 111, Engineering Graphics .....   | 4                             |
| NR 239, Watershed Processes & Restoration .....                               | 5                             |
| WMGT 230, Water & Energy Conservation <sup>3</sup> .....                      | 3                             |
| <b>OCSUP 107, Introduction to Technical Mathematics (M)<sup>4</sup></b> ..... | <b>4</b>                      |
| <b>Quarter Total .....</b>  | <b>16</b>                     |
| <b>Spring Quarter</b>   |                               |
| BIOL& 100, Survey of Biology .....  | 5                             |
| NR 190, Water Quality & Environmental Chemistry .....                         | 5                             |
| NR 200, Field Botany .....  | 5                             |
| <b>Quarter Total .....</b>  | <b>15</b>                     |
| <b>Summer Quarter</b>   |                               |
| WMGT 191, Cooperative Work Experience .....                                   | 10                            |
| <b>WMGT 292, Cooperative Seminar II (L)</b> .....                             | <b>2</b>                      |
| <b>Quarter Total .....</b>  | <b>12</b>                     |
| <b>YEAR ONE TOTAL .....</b>   | <b>61</b>                     |

| Year Two                                       | Watershed Ecology Degree |
|--|--------------------------|
| <b>Fall Quarter</b>                            |                          |
| AGPR 201, Basic Soil Science .....             | 5                        |
| BIOL 130, General Ecology .....                | 5                        |
| CET 223, Hydraulics .....                      | 5                        |
| WMGT 204, Water Policy <sup>1,2</sup> .....    | 5                        |
| <b>Quarter Total .....</b>                     | <b>20</b>                |
| <b>Winter Quarter</b>                          |                          |
| CET 166, Introduction to Hydrology .....       | 5                        |
| CET 250, Introduction to GIS .....             | 5                        |
| WMGT 221, Pump Applications .....              | 3                        |
| <b>OCSUP 103, Job Seeking Skills (J)</b> ..... | <b>3</b>                 |
| <b>Quarter Total .....</b>                     | <b>16</b>                |
| <b>Spring Quarter</b>                          |                          |
| CET 160, Elementary Surveying .....            | 6                        |
| CET 251, Advanced GIS .....                    | 3                        |
| NR220, Methods in Fish Biology .....           | 5                        |
| <b>Quarter Total .....</b>                     | <b>14</b>                |
| <b>YEAR TWO TOTAL .....</b>                    | <b>50</b>                |
| <b>TOTAL CREDITS .....</b>                     | <b>111</b>               |

The following courses meet the related instructional requirements of the program (one class per category required):

- (J)- OCSUP 103, PSYC 140
- (L)- WMGT 292
- (M)- OCSUP 107, MATH& 142
- (O)- OCSUP 102, CMST& 220, CMST 102
- (R)- OCSUP 101, PSYC 111, WMGT 135, WMGT 192
- (W)- ENGL& 101, ENGL& 102, WRITE 100, WRITE 110

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Students are required to complete a minimum of 45 credits, with 9 credits of related instruction for a Watershed Ecology Certificate.

<sup>1</sup> To fulfill the Written Communications and Oral Communications related instruction requirements, students must take WMGT 135, Cultures of Water; WMGT 139, Watershed Management; and WMGT 204, Water Policy.  
<sup>2</sup> WMGT 135, Cultures of Water and WMGT 204, Water Policy, are offered during fall quarter every other year.  
<sup>3</sup> WMGT 230, Water and Energy Conservation is offered every other year.  
<sup>4</sup> Students are required to complete OCSUP 107, Introduction to Technical Math or MATH& 142, Precalculus II. Depending on placement test results, students may need to complete OCSUP 106, Applied Math I during fall quarter.

To access degree information on the web, refer to [www.wvcc.edu/watershedecology](http://www.wvcc.edu/watershedecology) and select "Degrees" from the left-hand column.