



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

# Proposed Watershed Ecology Degree

## 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

This is a hands-on outdoor oriented career field with job opportunities such as:

- Fish and Wildlife Technician
- Habitat Specialist
- Water Quality Technician

Potential employers include federal, state, local, Tribal, and private agencies.

## For More Information

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## Skills You'll Develop

- Identify species and habitat needs of fish and wildlife.
- Collect samples, complete field surveys, analyze and report data.
- Conduct land surveying and computer aided mapping.
- Knowledge of restoration practices to improve habitat and stream channels.



# Proposed to begin September 2009

## 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 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 Watershed Ecology Certificate (Proposed)

Fall Quarter	Credits
CS 110, Introduction to Computers and Applications .....	5
WMGT 135 Cultures of Water .....	3
WMGT 139, Watershed Management .....	3
<b>WRITE 100, Applied Writing (W)</b> .....	<b>3</b>
<b>Total Credits.....</b>	<b>14</b>

Winter Quarter	Credits
CET 166, Introduction to Hydrology .....	3
<b>CLS 180, Workforce Leadership Development (L)</b> .....	<b>2</b>
GEOG 105, Physical Geology .....	5
OCSUP 106, Applied Mathematics I* .....	5
<b>Total Credits.....</b>	<b>15</b>

Spring Quarter	Credits
BIO 130, General Ecology .....	5
CET 160, Elementary Surveying .....	6
<b>OCSUP 108, Applied Mathematics II (M)</b> .....	<b>5</b>
<b>Total Credits.....</b>	<b>16</b>

Summer Quarter	Credits
WMGT 191, Cooperative Work Experience .....	10
<b>WMGT 192, Cooperative Seminar (R)</b> .....	<b>2</b>
<b>Total Credits.....</b>	<b>12</b>

**YEAR ONE TOTAL ..... 57**

### Year Two Watershed Ecology Degree (Proposed)

Fall Quarter	Credits
AGPR 114, Plant Physiology .....	5
AGPR 201, Basic Soil Science .....	5
<b>OCSUP 102, Oral Comm. in the Workplace (O)</b> .....	<b>3</b>
WMGT 204, Water Policy .....	3
<b>Total Credits.....</b>	<b>16</b>

Winter Quarter	Credits
CET 141, Engineering Graphics .....	4
CET 250, Introduction to GIS .....	3
NR #, Watershed Processes .....	5
OCSUP 103, Job Seeking Skills (J) .....	3
<b>Total Credits.....</b>	<b>15</b>

Spring Quarter	Credits
NR #, Field Methods .....	5
NR #, Introduction to Aquatic Biology .....	5
NR #, Plant Communities .....	3
<b>Total Credits.....</b>	<b>13</b>

**YEAR TWO TOTAL..... 44**

**TOTAL CREDITS.....101**

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

(W)- ENG 101, ENG 102, WRITE 100, WRITE 110

(O)- OCSUP 102, SPCH 101, SPCH 102

(R)- OCSUP 101, PSY 111, WMGT 192

(M)- OCSUP 108

(L)- CLS 180

(J)- OCSUP 103, PSY 140

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\* Students are required to complete OCSUP 108, Applied Mathematics II, for a AAAS degree. Students scoring below 54 on the Compass Mathematics Exam will enroll in OCSUP 106 winter quarter.