



## Environmental Biology Specialization

### Bachelors of Science of Environmental Science

General Education Courses (55-69 credits)  
ENST Core Courses (40-55 credits)

ENST Foundational Courses (25 credits)  
ENST Specialization (33-34 credits)

### Foundational Courses (25 credits)

|  | Credits   | Course & Term Completed |
|--|-----------|-------------------------|
| BIOL 181/181LAB  | 5         |                         |
| CHEM 181/181LAB  | 5         |                         |
| GEOG 107 <b>OR</b> GEOL 103/101LAB <b>OR</b> GEOL 101/101LAB <b>OR</b> GEOL 108/101LAB | 5         |                         |
| ANTH 130 <b>OR</b> GEOG 101 <b>OR</b> GEOG 208 <b>OR</b> SOC 107                       | 5         |                         |
| ECON 101 <b>OR</b> ECON 201  | 5         |                         |
| <b>Total Foundational Credits:</b>   | <b>25</b> |                         |

### Core Courses (41-45 credits)

|   | Credits     | Course & Term Completed |
|---|-------------|-------------------------|
| ENST 201 Earth as an Ecosystem <b>OR</b> ENST 202 Environment and Society   | 5           |                         |
| ENST 300 Applied Environmental Sciences   | 5           |                         |
| ENST 303 Environmental Management   | 5           |                         |
| ENST 304 Environmental Methods and Analysis   | 5           |                         |
| ENST 330 Env. Leadership and Advocacy <b>OR</b> ENST 360 Env. Justice   | 5           |                         |
| ENST 444 Environmental Policy Formulation   | 4           |                         |
| ENST 487 End of Major Capstone  | 1           |                         |
| ENST 495 <b>OR</b> other 495 Senior Research (1-12 credits)<br><b>OR</b> ENST 490 Cooperative Education (1-12 credits)<br><b>OR</b> UNIV 309 Civic Engagement (2 credits)<br><b>OR</b> UNIV 304 International Sustainable Development (5 credits) | 3-5         | (choose 1 course)       |
| <b>Upper Level Electives</b> (cannot be used to fulfill specialization req.)  | <b>8-10</b> | (choose 2 courses )     |
| ANTH 352 Anthropology of Environmental Issues   | 4           |                         |
| ANTH 440 Ecology and Culture <b>OR</b> GEOG 440 Ecology and Culture   | 4           |                         |
| BIOL 302 Sustainability and Environmental Change  | 5           |                         |
| BIOL 362 Biomes of the Pacific Northwest  | 4           |                         |
| BIOL 377/377LAB <b>OR</b> GEOL 377/377LAB Regional Natural History  | 5           |                         |
| BUS 389 Sustainable Business  | 5           |                         |
| CMGT 452 LEED in Sustainable Construction   | 4           |                         |
| ECON 462 Environmental and Resource Economics   | 5           |                         |
| ECON 463 Energy Economics   | 5           |                         |
| ENST 310 Energy and Society   | 5           |                         |
| ENST 330 Environmental Leadership and Advocacy  | 5           |                         |
| ENST 360 Environmental Justice  | 5           |                         |
| ENST 455 Environmental Literature   | 3           |                         |
| ENST 460 Environmental Law <b>OR</b> GEOG 445 Environmental Law   | 5           |                         |
| GEOG 373 Water Resources  | 4           |                         |
| GEOG 388 Weather and Climate  | 5           |                         |
| GEOG 442 Alternative Energy   | 5           |                         |
| GEOG 456 Recreation Geography   | 5           |                         |
| GEOL 302 Oceans and Atmosphere  | 4           |                         |
| GEOL 380 Natural Hazards  | 5           |                         |
| GEOL 441 Climate Variability and Climate Change   | 5           |                         |



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|   |              |  |
|---|--------------|--|
| HIST 454 American Environmental History                   | 5            |  |
| IEM 301 Energy Management                                 | 5            |  |
| IEM 302 Energy, Environment, and Climate Change           | 4            |  |
| IEM 330 Geopolitics of Fossil Fuels                       | 5            |  |
| PHIL 306 Environmental Ethics                             | 5            |  |
| PHIL 314 American Wilderness Philosophy                   | 5            |  |
| POSC 344 Environmental Politics                           | 5            |  |
| PSY 413 Conservation Psychology                           | 4            |  |
| PUBH 320 Environmental Health                             | 4            |  |
| RTE 330 Sustainable Resources for Recreations and Tourism | 3            |  |
| SOC 380 Social Ecology                                    | 5            |  |
| <b>Total Core Credits:</b>                                | <b>41-45</b> |  |

### Environmental Biology Specialization Courses (33-34 credits)

|   | Credits      | Course & Term Completed |
|---|--------------|-------------------------|
| <b>Required Courses</b>                           | <b>29</b>    |                         |
| BIOL 182 General Biology II                       | 5            |                         |
| BIOL 183 General Biology III                      | 5            |                         |
| CHEM 182/182LAB General Chemistry II              | 5            |                         |
| CHEM 183/183LAB General Chemistry III             | 5            |                         |
| BIOL 213 Quantitative Methods in Biology          | 4            |                         |
| BIOL 360 General Ecology                          | 5            |                         |
|   |              |                         |
| <b>Choose ONE field course from the following</b> | <b>4-5</b>   |                         |
| BIOL 362 Biomes of the Pacific Northwest          | 4            |                         |
| BIOL 377/377LAB Regional Natural History          | 5            |                         |
| BIOL 461/461LAB Community Ecology                 | 5            |                         |
| BIOL 462 Wildlife and Fisheries Ecology           | 5            |                         |
| BIOL 463 Limnology                                | 5            |                         |
| BIOL 464 Terrestrial Plant Ecology                | 5            |                         |
| BIOL 466 Conservation Biology                     | 5            |                         |
| BIOL 467 Biological Field Techniques              | 5            |                         |
| <b>Total Specialization Credits:</b>              | <b>33-34</b> |                         |

### B.S. Environmental Sciences – Biology Specialization Credit Total: 98-104

#### University Graduation Requirements

- Minimum of 60 upper division credits required
- Residency: Max. 135 transfer quarter credits allowed (max. 105 from community colleges)
- Residency: At least 3 quarters and 45 credits must be in residence at CWU
- Residency: At least 10 credits in Major and 10 credits in Minor (if declared) in residence at CWU
- Maximum of 20 credits from Cooperative Education study

| <b>Total Credit Breakdown</b> |  |
|-------------------------------|--|
| General Education Credits:    |  |
| ENST Foundation Credits:      |  |
| ENST Core Credits:            |  |
| ENST Specialization Credits:  |  |
| Other University Credits:     |  |
| <b>Total Credits:</b>         |  |