



Environmental Chemistry 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
CHEM 181/181LAB	5	
BIOL 101 OR BIOL 181/181LAB OR BIOL 200	5	
GEOG 107 OR GEOL 103/101LAB OR GEOL 101/101LAB OR GEOL 108/101LAB	5	
ANTH 130 OR GEOG 101 OR GEOG 208 OR SOC 107	5	
ECON 101 OR ECON 201	5	
Total Foundational Credits:	25	

Core Courses (41-45 credits)

	Credits	Course & Term Completed
ENST 201 Earth as an Ecosystem OR 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 OR ENST 360 Env. Justice	5	
ENST 444 Environmental Policy Formulation	4	
ENST 487 End of Major Capstone	1	
ENST 495 OR other 495 Senior Research (1-12 credits) OR ENST 490 Cooperative Education (1-12 credits) OR UNIV 309 Civic Engagement (2 credits) OR UNIV 304 International Sustainable Development (5 credits)	3-5	(choose 1 course)
Upper Level Electives (cannot be used to fulfill specialization req.)	8-10	(choose 2 courses)
ANTH 352 Anthropology of Environmental Issues	4	
ANTH 440 Ecology and Culture OR GEOG 440 Ecology and Culture	4	
BIOL 302 Sustainability and Environmental Change	5	
BIOL 362 Biomes of the Pacific Northwest	4	
BIOL 377/377LAB OR 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 OR 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	
Total Core Credits:	41-45	

Environmental Chemistry Specialization Courses (30 credits)

	Credits	Course & Term Completed
Required Courses	25	
CHEM 182/182LAB General Chemistry II	5	
CHEM 183/183LAB General Chemistry III	5	
CHEM 332/332LAB Quantitative Analysis	5	
CHEM 345 Environmental Chemistry	5	
MATH 154 Pre-calculus II	5	
Choose ONE field course from the following	5	
BIOL 220 Introductory Cell Biology	5	
BIOL 322 Introductory Microbiology	5	
CHEM 452/452LAB Instrumental Analysis	5	
GEOL 425 Environmental Geochemistry	5	
Total Specialization Credits:	30	

B.S. Environmental Sciences – Chemistry Specialization Credit Total: 96-100

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

Total Credit Breakdown	
General Education Credits:	
ENST Foundation Credits:	
ENST Core Credits:	
ENST Specialization Credits:	
Other University Credits:	
Total Credits:	