

Environmental & Ecosystem Sciences Pathway to WSU

at Walla Walla Community College



WASHINGTON STATE
UNIVERSITY



Walla Walla
Community
College

The Program

Environmental and ecosystem sciences focuses on the interactions of physical, chemical, and biological conditions of natural and human-modified environments, with the goal of solving growing environmental challenges. Practitioners work to apply science and find solutions to environmental, resource conservation, and sustainability issues, and to manage and preserve natural areas and ecosystems.

Career Opportunities

- Conservation biologist
- Restoration ecologist
- Environmental engineer
- Land, watershed, natural area, park, or wildlife refuge planner or manager
- Resource policy advisor
- Environmental educator

WWCC's Degree Options

- Associate in Applied Sciences (AAS-T) Degree in Watershed Management-EES:

A two year degree program that matriculates into a Bachelor of Science in Earth and Environmental Sciences degree in **Environmental & Ecosystem Sciences** in the College of Agricultural, Human, and Natural Resource Sciences (CAHNRS) and College of Arts and Sciences (CAS) at Washington State University.



www.wwcc.edu/wec

For More Information

Melissa Holecek • 509.524.5208 • melissa.holecek@wwcc.edu

Walla Walla Community College...*Shape Your Future!*



Environmental & Ecosystem Sciences Pathway

Required Coursework for WWCC Watershed Management-EES AAS-T Degree* that matriculates into a Bachelor of Science in Earth and Environmental Sciences degree in Environmental & Ecosystem Sciences at Washington State University.

Fall Quarter		
Course #	Course Name	Credits
	Intro to Chemistry or General Chemistry I	5
	Pre-Calculus I (M)	5
	Basic Soil Science	5
	Total Credits	15

Winter Quarter		
	Pre-Calculus II	5
	Intro to Organic Chemistry or General Chemistry II.....	5
	English Composition (W)	5
	Total Credits	15

Spring Quarter		
	Microeconomics	5
	Introduction to Environmental Science	5
	Intro to Biochemistry or General Chemistry III.....	5
	World Civilization III.....	5
	Total Credits	20
	Year One Total	50

Fall Quarter		
Course #	Course Name	Credits
BIOL& 211	Majors Cellular	5
ENT 150	Introduction to GIS	3
CMST& 210	Interpersonal Communications (O,R)	5
	Total Credits	13

Winter Quarter		
BIOL& 213	Majors Plant	5
ENT 151	Advanced GIS	3
ART& 100	Art Appreciation.....	5
MATH& 146	Introduction to Statistics.....	5
	Total Credits	18

Spring Quarter		
BIOL& 212	Majors Animal	5
AGRI 222	Ag & Water Policy.....	5
GEOL& 101	Intro to Physical Geology	5
	Total Credits	15
	Year Two Total.....	46
	Total Degree Credits.....	96

* Students must complete a **First Year Experience** course to graduate from WWCC; see the WWCC catalog for details

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.

Walla Walla Community College does not discriminate on the basis of race, color, national origin, sex, gender, disability, age, or any other legally protected status in its programs or activities. The following person(s) have been designated to handle inquiries regarding the non-discrimination policies. Sherry Hartford, Title IX Coordinator, Building D, Office 64 at 509.527.4382 or sherry.hartford@wwcc.edu or Bobbie Sue Arias, Ph.D., Coordinator of Disability Services, Building D, Office 133C at (509) 527-4262 or bobbisue.arias@wwcc.edu.

Walla Walla Community Colleges posts an Annual Security Report online. A paper copy of the report may also be obtained, free of charge, by visiting the Campus Security and Environmental Health and Safety office during normal business hours. The report contains policies and procedures related to campus safety and security, three years of crime statistics and other additional safety information.

Environmental and Ecosystem Sciences Major

B.S. in Earth & Environmental Sciences College of Agricultural, Human, and Natural Resource Sciences

Example course schedule; actual courses or sequencing of courses may vary. Within the College of Agricultural, Human, and Natural Resource Sciences (CAHNRS) and College of Arts and Sciences (CAS) professional electives are courses selected by the student in concert with their advisor that pertain to their major and/or to a specific sub-discipline of interest.

Fall Semester		
Course #	Course Name	Credits
SOE 300 or BIOL 372	Natural Resources Ecology or General Ecology	3-4
Elective	Humanities Elective	3
Required Elective		
	SOE 204, 230, 250, 275 or 280	2-3
Elective		
	Professional Elective	3
SOE 110	Environment & Humanity	4
	Foreign Language (if needed)	0-3
	Total Credits	15-19

Spring Semester		
Course #	Course Name	Credits
SOE 312	Natural Res & Society	3
SOE 460	Watershed Management	3
Electives		
	Professional Electives	6
SOE 210	Earth History & Evolution	4
	Foreign Language (if needed)	0/3
	Total Credits	16-19
	Year Three Total	31-38

Fall Semester		
Course #	Course Name	Credits
SOE 454	Capstone	3
STAT 412	Statistical Research Methods	3
SOE 495	Undergrad Internship	0-3
Electives		
	Professional Electives	6
	ENGLISH 301 Writing in the Major	3
	Total Credits	15-18

Spring Semester		
Course #	Course Name	Credits
SOE 464	Landscape Ecology	3
Electives		
	Professional Electives	12
	Total Credits	15
	Year Four Total	30-33
	Total Credits at WSU	61-71

Example upper division professional electives include, but are not limited to:

Wildlife Ecology; Landscape Ecology; Watershed Management; Fisheries Science; Fish Health Management; Biology & Management of Fishes; Population Ecology & Conservation; Environmental Measurements; Environmental Assessment; Sustainable Development in Water Resources; Natural Resources Economics & Policy; Managing the Global Environment; Environmental Psychology; Climate Change Science; Methods in Wildlife Ecology; Wildlife Nutrition; Marine Ecology; Natural Resources Economics; Public Budgeting.

WSU College of Agricultural, Human and Natural Resources

at Washington State University



With 24 majors, 19 minors and 27 graduate programs, the College of Agricultural, Human and Natural Resources (CAHNRS) at WSU is one of the largest and most innovative on campus. CAHNRS awards over \$700,000 in scholarships annually and brings in tens of millions of dollars in research funding each year. CAHNRS students and alumni extend science to serve individuals, families, and communities at home and around the world. These impacts enhance quality of life, improve ecological and economic systems, and advance agricultural science.

At WSU, you will be mentored by world-renowned faculty, motivated by high-achieving peers, and supported by Cougar Alumni around the world. You'll also discover countless hands-on learning opportunities for every major. At WSU you'll find the resources you need to reach your goals.

Huge choice of activities—and great friends

- 350+ registered student organizations with 9,000+ members
- 4 student centers that build appreciation of cultural and ethnic diversity
- 6,000+ intramural sports players
- 9 Pac-12 Conference intercollegiate sports for women, 6 for men

Accessible faculty

- Low student-to-instructional faculty ratio (approximately 15 to 1)
- Small undergraduate classes
- 80% have fewer than 50 students

Campus housing options

- 33% of undergraduates live on campus
- 28 on-campus residence halls and apartment complexes
- 53 national fraternity and sorority chapters