



Program Map: Huxley Pre-Environmental Policy

Completion Award
AA Degree, DTA

Program Length
6 Quarters

Program Code
AAEP

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Western Washington University, Huxley College of the Environment on the Peninsulas

Equivalency Guide: Western Washington University

This is the Pre-Environmental Policy program map for the Math & Science Area of Study. It aligns with Western Washington University's Bachelor of Arts in Environmental Policy, offered through the Huxley College of the Environment. This map is intended as a general guide for a suggested course of study. Please work with your academic advisor regarding your specific goals and transfer requirements.

Suggested Order

Order	Category	Course	Credits
1	Quantitative Skills	MATH& 141: Precalculus I	5
2	Communication Skills	ENGL& 101: Composition I	5
3	Humanities 1	Choose one: CMST& 210: Interpersonal Communication CMST&220: Public Speaking	5
4	Natural Science 1	MATH& 146: Introduction to Statistics	5
5	Communication Skills	ENGL& 102	5
6	Humanities 2	PHIL 130: Ethics	5

30 Credits

7	Natural Science 2 (Lab)	Choose one: CHEM& 110L: Chemical Concepts with Lab CHEM& 121L: Introduction to Chemistry	5
8	Natural Science 3	GEOG 120: Introduction to Physical Geography	5
9	Humanities 3	Choose one: ENGL 250: Intercultural Literature ENGL& 254: World Literature I	5

45 Credits

10	Elective	Choose one: BIOL&100L: Survey of Biology BIOL& 160L: General Biology with Lab* *Cell Biology Emphasis BIOL& 221L Ecology and Evolution (recommended)	5
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Suggested Order

Order	Category	Course	Credits
11	Social Science 1	POLS& 202: American Government	5
12	Elective	<p>Suggested:</p> <p>BOT 101L: Introduction to Botany BUS& 101: Introduction to Business BIOL&100L: Survey of Biology BIOL& 160L: General Biology with Lab, Cell Biology Emphasis ENVS& 100: Survey of Environmental Science ENVS& 101L: Introduction to Environmental Science GEOL& 100: Survey of Earth Science GEOL& 101L: Introduction to Physical Geology IS 103: Women's Voices Arts and Humanities SOC 115: Understanding Diversity SOC 230: Sociology of Gender and Sexuality</p>	5
13	Social Science 2	ECON& 202: Macroeconomics	5
14	Elective	<p>Suggested:</p> <p>BOT 101L: Introduction to Botany BUS& 101: Introduction to Business BIOL&100L: Survey of Biology BIOL& 160L: General Biology with Lab* <i>* Cell Biology Emphasis</i> BIOL& 222L: Molecular and Cellular Biology* <i>* If BIOL& 221L taken previously</i> ENGL 250: Intercultural Literature ENGL& 254: World Literature I ENVS& 100: Survey of Environmental Science ENVS& 101L: Introduction to Environmental Science GEOL& 100: Survey of Earth Science GEOL& 101L: Introduction to Physical Geology IS 103: Women's Voices Arts and Humanities SOC 115: Understanding Diversity SOC 230: Sociology of Gender and Sexuality</p>	5
15	Elective	<p>Suggested:</p> <p>BOT 101L: Introduction to Botany BUS& 101: Introduction to Business BIOL&100L: Survey of Biology BIOL& 160L: General Biology with Lab, Cell Biology Emphasis ENGL 250: Intercultural Literature ENGL& 254: World Literature I ENVS& 100: Survey of Environmental Science ENVS& 101L: Introduction to Environmental Science GEOL& 100: Survey of Earth Science GEOL& 101L: Introduction to Physical Geology IS 103: Women's Voices Arts and Humanities SOC 115: Understanding Diversity SOC 230: Sociology of Gender and Sexuality</p>	5
16	Social Science 3	<p>Choose one:</p> <p>SOC 115: Understanding Diversity SOC 230: Sociology of Gender and Sexuality</p>	5

Suggested Order

Order	Category	Course	Credits
17	Elective	<p>Suggested:</p> <p>BOT 101L: Introduction to Botany BUS& 101: Introduction to Business BIOL&100L: Survey of Biology BIOL& 160L: General Biology with Lab* <i>* Cell Biology Emphasis</i> BIOL& 223L: Molecular and Cellular Biology* <i>* If BIOL& 222L taken previously</i> ENGL 250: Intercultural Literature ENGL& 254: World Literature I ENVS& 100: Survey of Environmental Science ENVS& 101L: Introduction to Environmental Science GEOL& 100: Survey of Earth Science GEOL& 101L: Introduction to Physical Geology IS 103: Women's Voices Arts and Humanities SOC 115: Understanding Diversity SOC 230: Sociology of Gender and Sexuality</p>	5
18	Elective	<p>Suggested:</p> <p>BOT 101L: Introduction to Botany BUS& 101: Introduction to Business BIOL&100L: Survey of Biology BIOL& 160L: General Biology with Lab* <i>* Cell Biology Emphasis</i> ENGL 250: Intercultural Literature ENGL& 254: World Literature I ENVS& 100: Survey of Environmental Science ENVS& 101L: Introduction to Environmental Science GEOL& 100: Survey of Earth Science GEOL& 101L: Introduction to Physical Geology IS 103: Women's Voices Arts and Humanities SOC 115: Understanding Diversity SOC 230: Sociology of Gender and Sexuality</p>	5

Total credits required: 90



Math & Science

Area of Study Outcomes

Communication Competencies

- Comprehend the difference between written opinions vs ideas supported by scientific inquiry.
- Demonstrate the ability to communicate scientific ideas and the process of science.

Quantitative Reasoning

- Manipulate numbers (large and small), use common measurement systems, and solve simple linear algebraic problems.
- Recognize functional relationships between and among measurable phenomena.
- Apply systematic approaches and logic to solving quantitative problems.
- Translate mathematical symbols into words and words into mathematical symbols.
- Demonstrate the ability to use modeling and simulation to solve scientific problems.

Information Competencies

- Recognize the difference between questions of high scientific impact vs those unlikely to provide critical information about a scientific phenomenon or process.
- Ability to apply the process of science.

Critical Thinking

- Identify and troubleshoot scientific problems.
- Demonstrate the ability to use quantitative reasoning and analyze data.
- Demonstrate the ability to apply the process of science.

Personal and Interpersonal Competencies

- Gain an understanding of the relationships between science and society.
- Gain familiarity with and an appreciation for the interdisciplinary nature of science.
- Demonstrate the ability to collaborate and understand the importance of collaboration in science.

Career Pathways

By earning a degree or certificate in the area of Math & Science you'll be on your way to any of the following career opportunities listed below:

- Astronomer
- Atmospheric scientist
- Bioengineer
- Biologist
- Chemist
- Computer Scientist
- Engineer
- Environmental scientist
- Mathematician
- Materials scientist
- Physicist
- Sustainable agriculturist

Program Notes

Please note that many universities require a foreign language and intermediate algebra (Math 98 at PC) as admissions criteria. Select from three subject areas to fulfill Social Science, Natural Science, and Humanities Distribution requirements. Please refer to the AA degree guide for additional information.

Possible additional pre-college classes depending upon placement level: Engl 90 (5 credits) and Math 63/90 (5-10 credits).