



# Program Map: SCOPE (AA)

Completion Award  
**AA Degree**

Program Length  
**6 Quarters**

Program Code  
**AAES**

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This Science and Culture of the Olympic Peninsula Ecosystem (SCOPE) program map in the Math & Science Area of Study is aligned to WWU's Huxley on the Peninsula Program. Students following this map will attain an Associate of Arts degree from Peninsula College that will be generally transferable to most universities in Washington State.

## Suggested Order

Order	Category	Course	Credits
1 & 2	Communication Skills, Natural Sciences 1	<i>Learning Community</i>  <i>Special section that combines both courses: ENGL&amp; 101: Composition 1 * and ENVS&amp; 100: Survey of Environmental Science</i>	10
3	Humanities 1	IS 107: History of Reason  <i>Serves as the College Success Course for this pathway.</i>	5
4	Natural Sciences 2	OCEA& 101: Introduction to Oceanography	5
5	Quantitative & Symbolic Reasoning	MATH& 146: Introduction to Stats  <i>Huxley students take MATH 111: Finite Mathematics or MATH&amp; 141: Precalculus I. Huxley students will need to take ENVS 201 in place of MATH&amp; 146 when they attend WWU*</i>	5
6	Humanities 2	FILM 110: Literature and Film	5

## 30 Credits

7	Natural Sciences 3 (Lab)	BOT 101L: Introduction to Botany	5
8	Social Science 1	SOC 115: Understanding Diversity	5
9	Social Science 2	ECON& 201: Micro-Economics*	5

## 45 Credits

10	Summer Optional Field Experience	BIOL 290-294: Undergraduate Research in Biology	Variable
11	Elective	BIOL 290: Intro to Capstones	3
12	Elective	BIOL 291: Field Experience Class	2
13	Humanities 3	ENGL 250: Intercultural Literature	4
14	Elective	<i>Choose one:</i>  CHEM& 110L CHEM& 121L*	5

*Suggested Order*

<b>Order</b>	<b>Category</b>	<b>Course</b>	<b>Credits</b>
<b>15</b>	Social Science 3	POLS& 202: American Government*	5
<b>16</b>	Elective	BIOL 292: Projects Course	5
<b>17</b>	Elective	GEOG 120: Introduction to Physical Geography*	5
<b>18</b>	Communication Skills 2	ENGL& 102: English Composition II*	5
<b>19</b>	Elective	BIOL 293: Projects Course	5
<b>20</b>	Elective	CMST& 220: Public Speaking*	5

**Total credits required:**

**90\*\***

\*Huxley Requirement (or strongly suggested)

\*\* Degree may go over 90 credits with summer project work (unless the work substitutes for other elective credits in the degree).



# 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.

## Program Notes

The SCOPE Program uses the natural and cultural history of the Olympic Peninsula as a unifying theme. SCOPE courses are integrated and provide opportunities for project-based learning and field experiences. Students are guided through a multi-quarter capstone learning experience of their own design.

Most courses on this map are contextualized to the SCOPE program. Be sure to talk with your SCOPE advisor to make sure you register for the SCOPE sections of these courses and to identify appropriate substitute courses if the course offerings change or do not fit your schedule. This map is also designed for students who want to transfer into Western Washington University's Huxley Program to pursue a BA in Environmental Policy. PC students who wish to attend the Huxley Program will need to apply to WWU in order to transfer and confer with their SCOPE advisor on transfer requirements.

Please note that students starting in pre-college math and/or English will need additional time to complete the degree. Please work with your advisor on scheduling these pre-requisite requirements.