

## Amarillo College Curriculum Map Template

<b>Division:</b>	STEM
<b>Degree/Academic Program(s):</b>	Environmental Science (BIOL.AS.ENV)
<b>Dean:</b>	Edie Carter
<b>Chair/Director/Coordinator:</b>	Richard Hobbs
<b>Submission Date:</b>	February 2, 2021
<b>Purpose Statement:</b>	A degree in Environmental Science will equip students with essential and practical experience that could lead to a career in the environmental sector or a range of other occupations. Our research confirms the relevance of environmental related disciplines in the Texas Panhandle region. A degree in Environmental Science promotes sustainable practices to allow agriculture to remain the primary industry of Texas without further depleting its natural resources. AC's Environmental Science degree will lead to transferability and the option to earn a bachelor's, master's or doctoral degree.

**Goal 1:** To graduate students with the ability to apply critical thinking and scientific problem-solving skills in the classroom. Outcomes including but not limited to, inquiring, synthesizing and summarizing, to make decisions, recommendations and predictions.

Program-Specific Courses	PLO #1: Use critical thinking and scientific problem-solving to make informed decisions in the laboratory	PLO #2: Apply scientific reasoning to investigate questions and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data	PLO #3: Students will communicate effectively the results of scientific investigations
ENVR 1401	I, D	I, D	I, D
ENVR 1402	I, D	I, D	I, D

I = Introduced; D = Developed & Practiced with Feedback; M = Demonstrated at Mastery

**Goal 2:** To graduate students who can demonstrate their knowledge of the steps involved in scientific method. Outcomes including communicating results of scientific investigations, analyzing data and formulating conclusions.

Program-Specific Courses	PLO #1: Demonstrate the steps involved in the scientific method	PLO #2: Communicate results of scientific investigations, analyze data and formulate conclusions	PLO #3: Explain the methods of inquiry used by scientists
ENVR 1401	I, D	I, D	I, D
ENVR 1402	I, D	I, D	I, D

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