

# ENVIRONMENTAL STUDIES, CERTIFICATE OF ACHIEVEMENT (COA)

The Certificate of Achievement Environmental Studies covers a multidisciplinary field integrating topics from the geosciences, physical sciences, biological sciences, and public policy (including economic, legal, and social aspects) as they pertain to understanding working of the earth's ecosystems and the interplay of humans within those systems.

Course ID	Title	Units/Hours
<b>Required Core Courses</b>		
ESRM V01/BIOL V10	Introduction to Environmental Issues	3
ESRM V02	Introduction to Environmental Science	3
ESRM V03/POLS V12	Introduction to Environmental Policy and Natural Resource Management	3
<b>Required Core Units</b>		<b>9</b>
<b>Required Additional Courses</b>		
Select two (2) of the following courses:		
AG V04	Introduction to Soil Science	3
BIOL C1001	Introduction to Biology	3
BIOL V29	Marine Biology	3
ESRM V10	Environmental Ecology	3
ESRM V14/AG V54A	Conservation of Natural Resources	3
GEOG V01	Elements of Physical Geography	3
GEOG V05	Introduction to Weather and Climate	3
GEOL V02	Physical Geology	3
GEOL V11	Introduction to Oceanography	3
May select one (1) of the following courses as part of the two (2) courses additionally required:		
GEOG V02	Introduction to Human Geography	3
GEOG V08	World Regional Geography	3
GIS/GEOG V22	Fundamentals of Mapping and Geographic Information Systems	3
GIS/GEOG V26	Introduction to Geographic Information Systems Software	2
POLS V14	Global Studies	3
SOC V02	Social Problems	3
<b>Required Additional Units</b>		<b>5-6</b>
<b>Total Units for the Certificate</b>		<b>14-15</b>

Year 1		
Fall Semester		Units/Hours
ESRM V01/BIOL V10	Introduction to Environmental Issues	3
ESRM V02	Introduction to Environmental Science	3
Select one course from the Additional Required Courses list		3
<b>Units/Hours</b>		<b>9</b>
Spring Semester		
ESRM V03/POLS V12	Introduction to Environmental Policy and Natural Resource Management	3

Select one course from the Additional Required Courses list	3
<b>Units/Hours</b>	<b>6</b>
<b>Total Units/Hours</b>	<b>15</b>

Upon successful completion of this program, students will be able to:

- Integrate the core environmental concepts of sustainability, environmental capital/services, and globalization into an understanding of human-environmental interactions that take place on our planet.
- List the general scientific topics and methods that are used to understand the impact of human activities on the environment and the interaction of various environmental systems.
- Demonstrate knowledge of the roles of societal and political organizations in environmental policy-making, regulation, compliance, and enforcement.