

NATURAL RESOURCES CERTIFICATE

Program code: NATR-CC

Location: Northwestern

Program Description

The certificate offers students an opportunity to earn a credential while taking courses in their major field of study. It also supports the Natural Resources AS Degree at CT State - Northwestern Campus. All courses in the certificate are embedded in the program and are geared to allow students to explore a variety of topics in natural resources while gaining exposure to both fieldwork and real-world applications of concepts learned in class. In addition, individuals with this certificate may be able to find work in entry-level positions with conservation organizations, private companies, or similar entities in natural resources.

Learning Outcomes

1. Apply scientific methodology to a question.
2. Discuss experimental design and statistical analysis.
3. Describe cellular, organismal, microbiological, and ecological principles of biology.
4. Analyze population and community dynamics, ecosystem function, and systems thinking.
5. Evaluate important natural resources as well as regional and global environmental concerns.
6. Describe how science and risk assessment inform decision-making.
7. Identify the importance of wicked problems, resilience, and adaptive management in planning.
8. Prepare for a career in Natural Resources, Environmental Science, or a related field.

Certificate Requirements

Code	Title	Credits
Required Courses		
ENV 1010	Introduction to Environmental Science	3
Natural Science Elective		3-4
Choose one of the following:		4
BIO 1720	General Ecology	
BIO 2700	Ecology	
BIO 1550	Botany	
ENV 1000	Exploring Environmental Careers	1
ERTH 1010	Earth Science	3
CSA 1111	Spreadsheet Applications	3
Total Credits		17-18

- Natural Resources, AS