

Goal Statement: Master of Science Environmental Studies
Prescott College

Learning Outcome 1: Develop a solid foundation in environmental science, humanities, law, policy, social sciences, and systems thinking, and show the capacity of these disciplinary areas to shape engagement with specific environmental issues.

Courses:

Critical Foundations of Research & Schol (COR57114, Summer 2023), Understanding Climate Change (ENV57876, Fall 2023), Environmental Law & Policy (ENV54500, Spring 2024)

Achievements:

My engagement in these courses facilitated the development of a comprehensive understanding across multiple disciplines integral to environmental science. Through the synthesis of environmental law, policy analysis, and systems thinking, I was able to critically evaluate and propose sustainable solutions for bio-regionally relevant ecological challenges. Notably, my research on the Resolution Copper Mine illustrated my capacity to integrate social, economic, and legal considerations to formulate a sustainable approach to mining practices. This work exemplifies my ability to navigate complex environmental issues through interdisciplinary lenses.

Artifact:

[Economic Benefits and Environmental Challenges of the Resolution Copper Mine](#)

Learning Outcome 2: Demonstrate diverse and inclusive approaches to analyzing contemporary environmental issues at local, regional, and global scales.

Courses:

Ecology, Culture, and Community (ENV57100, Fall 2023), Landscape Analysis and Remote Sensing (University of Southern Norway, Spring 2025)

Achievements:

Through my coursework, I developed a nuanced approach to analyzing environmental issues from multiple perspectives, ensuring the inclusion of diverse and historically marginalized voices. My deep dive into the Mogollon Highlands' environmental history and challenges showcases my commitment to inclusive research methodologies that consider both ecological and cultural dimensions. This project not only highlights my ability to engage with local and regional environmental issues but also demonstrates my skill in applying inclusive approaches to the analysis of these complexities.

Artifact:

[Deep History Report_ Mogollon Highlands of North Central Arizona](#)

Learning Outcome 3: Demonstrate understanding of the theories related to their specific area of focus in environmental studies.

Courses:

Conservation Biology, Applied Conservation Biology (University of Southern Norway, Spring 2025), Water Resources and Management (ENV53100, Summer 2024)

Achievements:

Specializing in conservation biology with a focus on water resource management has allowed me to explore and apply theories directly related to my area of interest. My leadership in the Returning Rapids Project exemplifies how theoretical knowledge can be applied to real-world problems, specifically in addressing the ecological impacts of sediment disruption in Southwestern United States rivers. This initiative not only reflects my understanding of conservation theories but also my ability to innovatively apply these concepts to enhance ecosystem health.

Artifact:

[Returning Rapids Handbook 2023](#)

Learning Outcome 4: Develop and demonstrate a suite of sophisticated skills that apply theoretical knowledge to problem-solving.

Courses:

Ecotoxicology, Landscape Analysis and Remote Sensing (University of Southern Norway, Spring 2025)

Achievements:

The integration of GIS, landscape analysis, and remote sensing into my research toolkit has profoundly expanded my capability to address complex environmental issues, particularly in water resource management. By applying these sophisticated skills, my research proposal on the Lower Colorado River investigates the impacts of reservoir sediment accumulation, demonstrating a direct application of theoretical knowledge to solve pressing environmental problems. This approach highlights my proficiency in utilizing advanced technological tools to deepen the understanding of environmental phenomena and craft viable solutions.

Artifact:

[Research Proposal_ Returning Rapids Western Grand Canyon](#)