Environmental Studies and Sustainability
Master of Professional Science Degree
(2020-2021)

Sustainability science is a problem-based, solution-oriented framework for creating a resilient civilization. The framework combines technical sustainability with skills based in the social sciences and humanities to create effective change agents who can work within the context of political, economic, and cultural concerns. Mitigation and adaptation to climate change is emphasized along with biodiversity conservation, resource conservation, and mitigation of pollution. Students within this track should expect to explore, debate, and research possible solutions to climate change from a variety of viewpoints.

Graduates of the MPS in Environmental Studies and Sustainability will be able to:

1. Understand and articulate the fundamental processes and multi-perspective issues of climate change plus mitigation and adaptation.
2. Be able to integrate social sciences and natural science perspectives for problem solving.
3. Understand and integrate different communication styles for different audiences.
4. Be able to apply management and leadership to a professional science context.
5. Conduct a capstone project through the transdisciplinary lens creating possible solutions.

Program Core
SBUS 515 Ecological Economics
SUST 505 Thinking in Systems
SUST 510 Climate Dynamics
SUST 515 Leading Sustainable Change
SUST 520 Community Planning for Resiliency

Professional Skills Core
PROF 505 Strategic Management of Innovation
PROF 510 Communication for Environmental Professionals
PROF 515 Ethical Practice and Policy
PROF 590 Capstone I
PROF 690 Capstone II