Student Learning Outcomes: Upon completion of the program, students will be able to:

Disciplinary Core Knowledge

1. Apply concepts of ecological systems under stress to conservation and restoration actions with the goal of solving complex problems.
2. Analyze and interpret conservation or restoration literature or data to apply evidence-based research to new management situations.
3. Explain how policy impacts ecosystem health.
4. Describe the historical context of the modern environmental movement and its influence on current environmental laws and regulations.

Technical Knowledge

5. Use GIS, remote sensing, and informatics to frame and solve complex problems.

Professional Knowledge

6. Apply project management theories and frameworks to the design and implementation of a conservation or restoration project.
7. Communicate conservation/restoration information through oral, written, digital, and visual presentations.
8. Engage with knowledge networks with diverse stakeholders.

Integrated Knowledge

9. Lead/collaborate in planning, designing, implementing, and managing complex, large-scale conservation and restoration-related adaptive management activities (management plan, experimental design, report, or scholarly paper) a team to design and produce an active adaptive management plan through site assessment, trials evaluating management actions, monitoring, and collaborations with multiple stakeholders.
10. Adhere to social dimensions of conservation and restoration, including socioeconomic values such as cultural features, social uses and perceptions, and environmental ethics.

Career Knowledge

11. identify, apply for, and be hired for jobs in the field of conservation and restoration science.