

# ENERGY TRANSITION STRATEGIES GRADUATE CREDIT CERTIFICATE PROGRAM

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## Learning Outcomes

1. Students will be able to articulate technical fundamentals and determine the role of renewable energy systems in the context of local and global energy transition.
2. Students will be able to perform sustainability assessment of energy projects at the holistic level using lifecycle, lifecycle cost, and systems analysis.
3. Students will be able to explain and quantify the impacts of new energy solutions in the context of the energy-water-food nexus.
4. Students will develop a scientific understanding of energy relationships with global climate, environment, and natural resources.