



Interdisciplinary NRT Graduate Training Opportunity: Obtain PhD/MS/MA in STAKEHOLDER ENGAGED, EQUITABLE, DECARBONIZED ENERGY FUTURES (SEED-EF)



WHAT IS SEED-EF'S GOAL?

The transition to a low-carbon economy requires a new generation of leaders trained to decarbonize the energy sector and increase equitable access to it. SEED-EF wants to train these leaders so that they are able to advance decarbonization at the intersection of engineering, policy, economics, data science, and population health, with the ability to problem-solve and communicate with stakeholders, communities, and government and nongovernmental (NGO) agencies. Funded by the National Science Foundation's National Research Traineeship (NRT) Program, SEED-EF offers novel cross-cutting training to PhD and Masters students so that they can embrace multi-stakeholder perspectives and advance skills to plan, execute, and communicate interdisciplinary research on equitable decarbonization.



WHAT DOES THIS PROGRAM OFFER?

PhD: Dual mentorship (faculty and stakeholder partners). ♦ Courses in policy, ethics, and communication. ♦ Internships with industry, government, policy groups, or NGOs. ♦ Thematic and real-world connections with decarbonization. Support for publishing and conferences. ♦ Funding from the university and faculty.

MS/MA: Parallel tracks in Environmental Policy and Energy Engineering. ♦ Courses in environmental justice, policy design, environmental, social and governance (ESG) aspects, health data, smart grids, and renewable energy. ♦ Both tracks explore stakeholder engagement, ethics and equity, and multimodal interdisciplinary research.

CONTACT US

For more information, contact the program directors:
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WHAT ARE THE PROGRAM HIGHLIGHTS?

- Strong cohort with collaborative focus
- Emphasis on stakeholder engagement and creating equity
- Paid internships during Year 2 of graduate study
- Meaningful real-world research outcomes via active learning
- Laptop for each student
- Team mentor support, tailored to each student
- Professional development opportunities and leadership seminars
- Financial support through the first two years
- Best practices for trainees in impact-driven research teams



WHAT ARE THE CURRENT RESEARCH THRUSTS?

- Solar warehouse roofs for energy sheds
- Zero-emissions transit fleets
- Energy-water microgrids for coastal islanded communities
- Resilient societies



WHO IS QUALIFIED?

U.S. citizens or permanent residents with an interest in pursuing a degree via a multidisciplinary approach focused on the energy sector, decarbonization, and policy.

