Eversource Energy Center

Pioneering Diversity Internship

EEC is creating a scholarship opportunity to engage underrepresented minority undergraduate students in the energy sector by providing $2,600 in each of the following: Spring, Summer and Fall 2021 to work on the Center's research projects.

Established in 2015 by the University of Connecticut (UConn) the Eversource Energy Center (EEC) has been advancing leading-edge interdisciplinary research and technology assuring reliable power during extreme weather and security events. We have done this through a variety of research projects in the following areas:

- **Power Outages** - Predicting weather-related power outages and restoration through data analytics.
- **Weather Prediction** - Assess and improve forecasting of severe storms to support prediction of power outages.
- **Vegetation Management** - Reducing the risk of tree-related storm damage to the power grid infrastructure.
- **Wildfires** - Modeling the occurrence and propagation of wildfires through data analytics.
- **Irrigation** - Using remote sensing data and weather predictions to reduce water usage.
- **Floods** - Assessing the flood inundation risk for power grid infrastructure using flood simulations.
- **Renewables** - Modeling scenarios of renewable energy sources integration in the electric grid of the future.
- **Wind Energy** - Studying offshore wind generation through weather data analytics.
- **Remote Sensing** - Use of remote sensing techniques for infrastructure mapping and land cover disturbance.
- **Structural** - Studying infrastructure fragility curves.
- **Resilience** - Studying the vulnerability and resilience of the electrical grid to weather events in a changing climate.
- **Economics** - Evaluating economic benefits of power grid reinforcement and modernization to residents, utilities, and the state.
- **Biodiversity** - Using statistical methods to forecast biodiversity response to climate and environmental pressures.

**Internship**

**REQUIREMENTS:**

1. Pursuing an undergraduate degree in Engineering, Sciences or Business.
2. Being in Sophomore or Junior year maintaining a GPA greater than 2.3.
3. Must be willing to dedicate 10 hours per week to research during the semester and 20 hours per week during the summer.

**APPLICATION PROCESS:**

- Personal statement indicating the thematic area of interest and any experience you have had in research.
- Unofficial transcripts
- Name of a faculty member or collaborator for reference

**APPLY HERE:**

https://forms.gle/xqWpVGsFReavCRrA9