

BECOME AN

# ENERGY HAWK RESEARCHER

(ALL DISCIPLINES WELCOME!)

The Energy Hawks paid internship is a premier research opportunity for students to better understand North Dakota's existing energy landscape and focus that insight on future energy challenges and opportunities.

Established in 2018, the EERC Energy Hawks are a multidisciplinary group of graduate and undergraduate students focused on enhancing North Dakota's energy industry through a broad range of concepts. Research, interviews, and extensive travel in North Dakota expose these students to the opportunities and challenges of the energy industry, leading them to develop initiatives for further research and consideration.



## Join Us for a Panel Discussion: "Navigating Our Energy Future"

Wednesday, February 26 at 3:30–4:30 p.m.

Memorial Union Social Stairs

FREE  
PIZZA

## Apply Here

Application window is open February 3 – March 31, 2025

Go to: <https://undeerc.org/our-people/students.html>

to receive a reminder and the application link.



## ENERGY HAWKS 2025

This paid 10-week summer internship at the EERC includes students from all academic areas.

Interns will:

- **Learn**  
about energy systems and challenges in North Dakota.
- **Interact**  
with energy experts for North Dakota's all-of-the-above energy strategy.
- **Experience**  
the real-world environment at energy sites in western North Dakota.
- **Research**  
topics critical to North Dakota energy.
- **Continue**  
energy conversations during the following school year.



APPLICATION DEADLINE | March 31, 2025

PAID SUMMER INTERNSHIP

# ENERGY HAWKS INTERNS

RESEARCH – TRAVEL – NETWORK

The Energy Hawks Program brings together students from multiple disciplines to become immersed in North Dakota energy and identify outside-of-the-box ideas for enhancing the value that North Dakota energy already provides.

## PAST STUDENT-DETERMINED PROJECTS

### 2024

Using  $K_2CO_3$  to Capture  $CO_2$  from Coal-Fired Power  
Vulnerability Assessment of IOT Devices on the Power Grid  
Beneath the Surface: Exploring Salt Cavern Storage

### 2023

Harnessing Geothermal Energy from Oil Wells  
From Coal to Clean Energy: Hydrogen Production and Transportation  
Fueling the Future: Electrolysis for Large-Scale Hydrogen Production

### 2022

“Out of the Blue” Hydrogen Highway in North Dakota  
Squeezing the Dough Out of Flare Gas  
Economic, Social, and Regulation Nexus in Achieving a Hydrogen Hub

### 2021

Pre-Feasibility Study: Bringing Nuclear Energy to North Dakota  
Cryptocurrency Mining  
Carbon Capture for Algae Cultivation

### 2020

The Feasibility of Food Waste as a Feedstock for Biofuel  
The Effect of Decalage in Biplane Wind Turbine Blades  
Rare Earth Element Extraction and the Impacts of a New Industry

### 2019

Harnessing Wind Energy Using Two-Way Electric Vehicle Charging  
Social Media: Enhancing Energy Awareness among Young Adults  
Artificial Photosynthesis: Fuel from  $CO_2$  in North Dakota

### 2018

Agriculture and Energy Synergies: Controlled-Environment Agriculture  
Alternative Uses for Coal in North Dakota  
Electrofuels: Capturing the Wind  
The Flickertail Project: An Economic and Workforce Development Plan to Identify and Change Negative Perceptions

For more information about the Energy Hawks internship program, contact:

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undeerc.org/jobs



## STUDENTS' MAJOR AREAS OF STUDY

APPLIED STATISTICS • DATA SCIENCE  
EARTH SYSTEM SCIENCE AND POLICY  
ELECTRICAL ENGINEERING  
PUBLIC HEALTH • ASTROPHYSICS  
APPLIED ECONOMICS & PREDICTIVE  
ANALYTICS • COMPUTER APPLICATIONS  
CHEMICAL ENGINEERING  
MATHEMATICS • PHILOSOPHY  
ENERGY SYSTEMS ENGINEERING  
MEDICAL LAB SCIENCE • PHYSICS  
SUSTAINABILITY STUDIES  
QUANTITATIVE ECONOMICS  
PETROLEUM ENGINEERING  
ENVIRONMENTAL STUDIES  
EXPERIMENTAL PSYCHOLOGY  
MECHANICAL ENGINEERING  
CHEMISTRY • ENGLISH • ECONOMICS  
BUSINESS ADMINISTRATION  
GEOLOGICAL ENGINEERING  
AEROSPACE ENGINEERING  
ACCOUNTING • COMPUTER SCIENCE  
POLITICAL SCIENCE • LAW  
INTERNATIONAL STUDIES  
BUSINESS ECONOMICS BANKING  
FINANCIAL ECONOMICS