

Energy & Natural Resources



Energy & Natural Resources
Utah Career and Technical Education
CAREER CLUSTER

The **Energy & Natural Resources** Career Cluster is dedicated to creating a sustainable future, innovating cleaner energy solutions, and preserving our planet’s natural resources. Students will prepare for careers in traditional and renewable fuel production, power generation and energy conversion, utilities, environmental preservation, ecological research, and resource extraction.



CAREER PATHWAY

> Natural Resource Science

Each CTE Career Pathway culminates in an industry recognized credential of value.

FACTS

- > As Utah plans Operation Gigawatt, to double energy production in the next decade and build the states energy ecosystem¹, job opportunities will be best for those who have the technical skills and regulatory knowledge.¹
- > In 2004, Utah had a record crude oil production reaching a record high of 65.1 million barrels.²
- > There are five active coal mines in Utah.²
- > In Utah, employment of a natural science manager is projected to grow 2.6 percent through the year 2032.³
- > Total installed residential solar capacity has increased from 7 megawatts in 2013 to 429 megawatts in 2023.²
- > In Utah, employment of an environmental scientist is project to grow 2.9 percent through the year 2032, compared to .60 percent nationwide.³

¹ Utah Office of Energy Development, *Operation Gigawatt*
² Kem C. Gardner Policy Institute, The University of Utah, *Utah's Energy Sector: Abundance, Diversity, and Technological Change*
³ Utah Department of Workforce Services

“I really enjoyed the opportunity to grow in the Natural Resource Science Pathway. I learned so much!”

Participation in and completion of a CTE Career Pathway will provide you with the academic knowledge and technical skills to successfully compete in a global economy. Learn about Career and Technical Education and the **Energy and Natural Resources Career Cluster** at UtahCTE.org.