

Engineering & Technology



Engineering & Technology
Utah Career and Technical Education
CAREER CLUSTERS

Engineering & Technology focuses on preparing students for employment in careers that relate to the planning, managing, and providing professional and technical services, including research and development services.



CAREER PATHWAYS

- > Engineering
- > Mechanical Design (CAD)

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

FACTS

- > Nationally, engineering is the second largest of all professions.¹
- > Engineering occupations are considered high skill, high wage, and high demand.
- > 13 percent of U.S. engineering jobs are held by women, with one in four jobs in technology, engineering, and mathematics.¹
- > In Utah, 620 mechanical drafters are employed by more than 3,000 businesses throughout the state.²
- > Most robotics engineers are employed by private companies and work in laboratory or production settings.
- > According to the U.S. Department of Labor, 19 percent of U.S. engineering jobs are held by women, with one in four jobs in technology, engineering, and mathematics.
- > By 2024, Utah's workforce is expected to include a total of 29,260 people working as engineers, drafters, engineering technicians, and mapping technicians.²

¹ U.S. Bureau of Labor Statistics

² Utah Department of Workforce Services

“My high school drafting and engineering instructor was an amazing person and influenced my love of this field.”

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 **Engineering & Technology Career Cluster** at UtahCTE.org.