

# 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

- > Engineering occupations are considered high-skill, high-wage, and in-demand.
- > Nationally, engineering is the second largest of all professions.<sup>1</sup>
- > In Utah, the annual occupational growth rate for mechanical engineers is 3.3 percent through the year 2028.<sup>2</sup>
- > According to the U.S. Department of Labor, 14.1 percent of U.S. engineering jobs are held by women.
- > In Utah, architectural/engineering managers have strong employment opportunities and high wages through the year 2028.<sup>2</sup>
- > Most robotics engineers are employed by private companies and work in laboratory or production settings.
- > In Utah, a professional engineer and a professional structural engineer must be licensed.<sup>3</sup>

<sup>1</sup> U.S. Bureau of Labor Statistics

<sup>2</sup> Utah Department of Workforce Services

<sup>3</sup> Utah Department of Commerce Division of Occupational and Professional Licensing

*“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](https://UtahCTE.org).