



# Pathway: Engineering and Technology - Robotics

## Get the Facts:

**Robotics/Automation Engineers** are behind-the-scenes designers, who are responsible for creating robots and robotic systems that are able to perform duties that humans are either unable or prefer not to complete. Through their creations, a robotics engineer helps to make jobs safer, easier, and more efficient, particularly in the manufacturing industry.

### **Robotics/ Electro-Mechanical Technicians**

operate, test, maintain, or calibrate unmanned, automated, servo-mechanical, or electro-mechanical equipment. They may operate unmanned submarines, aircraft, or other equipment at worksites, such as oil rigs, deep ocean exploration, or hazardous waste removal. They may assist engineers in testing and designing robotics equipment.

## Workforce Trends:

Electro-mechanical technicians are generalists in technology, and their broad skill set will help sustain demand for their services.

## Robotics is:

- High skill
- High wage
- High Demand

## Occupation Outlook:



## The Utah statewide annual median wage:



## College and Career:

There are a number of options for education and training beyond high school, depending on your career goals.

- BYU – BS Mechanical Engineering –Dynamic Systems, Controls, & Robotics emphasis

- U of U – BS Mechanical Engineering—Mechatronics emphasis

Robotics & Control emphasis

- UVU – BS Mechatronics Engineering Technology; AS Electrical Automation & Robotics Technology; AAS Electrical Automation & Robotics Technology

- SLCC - CC Automation and Instrumentation Technician