DAVIS SCHOOL DISTRICT

www.davis.k12.ut.us

CAREER AND TECHNICAL EDUCATION

STRANDS

- Robotic Components
- End-of-Arm Tooling
- Electricity Fundamentals
- Fundamental Programming
- Input and Output Commands
- Program Writing
- Laboratory Safety Practices
- Automated Systems
- Syntactical Components
- Energy Sources

CTE®
Learning that works for Utah

ROBOTICS

ABOUT

The first in a sequence of courses that prepare individuals with a lab-based, hands-on curriculum combining electrical, mechancial and engineering principles. Students will learn to design, build, program, and control robotic devices. A rigorous study and application of electrical concepts will include: sources of energy, electrical safety, use and identification of basic electronic components, sensors, and actuators. Engineering concepts will include: mechanical design, prototype development, design testing, programming, and proper engineer documentation.

CAREER PATHWAYS

Robotics Engineer
Operators
Robotics Account Manager

REQUIREMENTS

Semester course for Sophomores, Juniors or Seniors

LOCATIONS

All high school students have access to take Robotics

Talk to your high school CTE Coordinator

CTE Tech & Engineering Specialist
Brett Matsumura - brmatsumura@dsdmail.net