

At davis school district and morgan county district high schools

Get technical about an automation and robotics career

Learn the skills you need for a manufacturing career while you earn up to 30 credit hours towards degrees at Weber State University, Utah State University or LDS Business College — all before you graduate from high school. Also, **tuition is free** while you are in high school.

Monday - Friday 6:30-7:15 AM or 2:30 - 3:15 PM

> For more information contact: stacy.hatch@davistech.edu or 801-593-2433

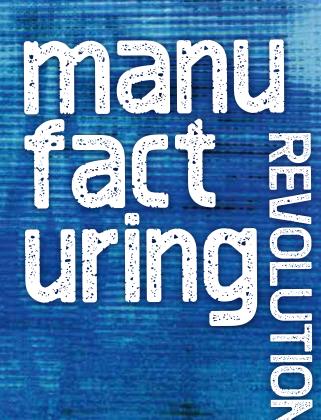
UTA FREE UTA transit pass available to all Davis Tech students

LOCAL EMPLOYERS THAT HIRE FOR AUTOMATION AND ROBOTICS



DAVISTECHNICAL COLLEGE

550 East 300 South | Kaysville, UT 84037 801.593.2500 | davistech.edu



AUTOMATION AND ROBOTICS







AUTOMATION AND ROBOTICS COURSES AND PATHWAYS

0 hours

60 hours

90 hours

30 hours 90 hours

30 hours

90 hours

30 hours

60 hours

30 hours

60 hours 60 hours

30 hours

30 hours

90 hours

60 hours

90 hours

90 hours

90 hours

30 hours

90 hours 90 hours 30 hours

120 hours 60 hours

120 hours

NECESSARY CORE COURSES -HIGH SCHOOL CAMPUS

Monday - Friday; 6:30-7:15 AM or 2:30 - 3:15 PM	
IAMT 1100 - Industrial Safety and Workplace Relations	30 hours
IAMT 1200 - Automation Maintenance Basics	60 hours
IAMT 1000 - Electronic Fundamentals for Industrial Automation	120 hours
IAMT 1450 - Fluid Power Pneumatics	60 hours
IAMT 1600 - Electrical Motor Controls	120 hours
IAMT 1750 - Automatic Controls Troubleshooting	60 hours
IAMT 2000 - Programmable Logic Controllers I	90 hours

DAVIS TECH CAMPUS

IAMT 0000 - Automation and Robotics Orientation IAMT 1250 - Fluid Power Hydraulics IAMT 1301 - Industrial Mechanics

180 Hours from any of the elective courses below HIGH SCHOOL CAMPUS

Monday - Friday; 6:30-7:15 AM or 2:30 - 3:15 PM

IAMT 1500 – Electric Motors/Drives
IAMT 1850 - Electrical Equipment Basics
IAMT 2010 – Human Machine Interface (HMI) Programming
IAMT 2115 – Vision Systems Basics
IAMT 2025 - Industrial Robotics
IAMT 2026 - UAV/Drone Technology
IAMT 2030 - Semiconductor Devices
IAMT 2305 - Microcontroller/Microprocessor Programming
IAMT 2400 - Electronics Assembly and Soldering
IAMT 2915 – Final Project

DAVIS TECH CAMPUS

IAMT 1005 – Renewable Energy
IAMT 1105 – Building Automation
IAMT 1150 - Lean Manufacturing (Six Sigma)
IAMT 1601 – Plumbing for Automation Technology
IAMT 1901 – HVAC Refrigeration
IAMT 2015 – Fiber Optic Technician Certification Preparation
IAMT 2050 – Programmable Logic Controllers II
IAMT 2060 – Controls Integration
IAMT 2070 – Building Control Panels
IAMT 2105 – FANUC IR Vision Systems
IAMT 2200 – Instrumentation - Process Control
IAMT 2250 – Process Technology Equip and System Operators
WKSK 1500 - Job Seeking Skills

____STREAMLINE YOUR FUTURE

Start your career in Automation and Robotics right at your high school by participating in the Manufacturing Pathways Program in partnership with Davis Tech.

HERE'S HOW TO START:

- 1. Speak with your high school's CTE Coordinator.
- 2. Enroll in the Automation and Robotics program.
- 3. Take required Automation and Robotic courses at high school (starting fall).
- 4. Complete the required classes at Davis Tech. (Free UTA passes are available)
- 5. Take 180 hours of elective courses either at your high school or on Davis Tech campus.
- **6.** Receive your certificate of completion from Davis Tech during or shortly after you graduate from high school.
- 7. Start working in your career, transfer to a four year college, or both!

CERTIFICATE



- Electrical and Electronics
- Repairers, Commercial and Industrial Equipment
- Industrial Machinery Mechanic
- Maintenance and Repair Workers, General
- Robotics Technician
- Electrical and Electronic Engineering Technician
- Engineering Technician

Once you've completed the Automation and Robotics Program, you're prepared for a career that can help you pay for a college degree. Then that degree can help you move to a higher position in the industry.