



**LOCAL EMPLOYERS THAT HIRE
FOR AUTOMATION AND ROBOTICS**



**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



FREE UTA transit pass
available to all Davis Tech students

DAVISTECH

DAVIS TECHNICAL COLLEGE

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

**manu
fact
uring** **REVOLUTION**

**AUTOMATION
AND
ROBOTICS**

DAVISTECH

DAVIS TECHNICAL COLLEGE



AUTOMATION AND ROBOTICS COURSES AND PATHWAYS

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	0 hours
IAMT 1250 - Fluid Power Hydraulics	60 hours
IAMT 1301 - Industrial Mechanics	120 hours



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	90 hours
IAMT 1850 - Electrical Equipment Basics	30 hours
IAMT 2010 - Human Machine Interface (HMI) Programming	90 hours
IAMT 2115 - Vision Systems Basics	30 hours
IAMT 2025 - Industrial Robotics	90 hours
IAMT 2026 - UAV/Drone Technology	30 hours
IAMT 2030 - Semiconductor Devices	120 hours
IAMT 2305 - Microcontroller/Microprocessor Programming	60 hours
IAMT 2400 - Electronics Assembly and Soldering	60 hours
IAMT 2915 - Final Project	30 hours

DAVIS TECH CAMPUS

IAMT 1005 - Renewable Energy	60 hours
IAMT 1105 - Building Automation	60 hours
IAMT 1150 - Lean Manufacturing (Six Sigma)	30 hours
IAMT 1601 - Plumbing for Automation Technology	30 hours
IAMT 1901 - HVAC Refrigeration	90 hours
IAMT 2015 - Fiber Optic Technician Certification Preparation	60 hours
IAMT 2050 - Programmable Logic Controllers II	90 hours
IAMT 2060 - Controls Integration	90 hours
IAMT 2070 - Building Control Panels	90 hours
IAMT 2105 - FANUC IR Vision Systems	30 hours
IAMT 2200 - Instrumentation - Process Control	90 hours
IAMT 2250 - Process Technology Equip and System Operators	90 hours
WKSJ 1500 - Job Seeking Skills	30 hours

← 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

Davis Technical College Certificate of Completion




CAREERS

- 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.

DEGREE


WEBER STATE
UNIVERSITY
credit hours
towards
an AAS


UtahStateUniversity
credit hours
towards an
AAS or BS


ENSIGN
COLLEGE
credit hours
towards AAS


SUU
SOUTHERN UTAH
UNIVERSITY
credit hours
towards AAS


DSU
DIXIE STATE UNIVERSITY
credit hours
towards AAS