

# ROBOTICS

## Description

Provides students with the foundation for design, implementation, and analysis of robotic systems. Students explore the robotics design process, 3D printing, electricity, fundamentals of microcontrollers, embedded systems programming, and sensor interfacing. Students learn to optimize robotic technology using digital hardware, 3D modeling software, software programming, and digital and analog circuit design analysis.

## Employment Options

Additional training may be required for some options listed:

Automation Technician (Automation Tech), Electro-Mechanic, Electromechanical Assembler (EM Assembler), Electromechanical Technician (EM Technician), Electronics Technician (Electronics Tech), Mechanical Technician (Mechanical Tech), Process Control Tech, Product Test Specialist, Test Engineering Technician (Test Engineering Tech), Test Technician (Test Tech)

**Approximate Pay Potential: $22-53/Hour**

## Targeted Certifications or Credentials

- Autodesk Fusion 360
- Multimeter 504F
- Universal Robotics
- Fundamentals of Robotics
- OSHA 10 - Manufacturing
- Fundamentals of Electricity DC
- Forklift & Aerial Lift Certifications
- First Aid/CPR

*Certifications may vary by Program and are subject to change without notice.*



# Application

Applicants must complete a SouthernTech Application for Admission. Additional information and applications are available at the SouthernTech campus and online at **www.sotech.edu**. Enrollment for this program is open to adults and partnering High Schools (juniors/seniors).

# Tuition

In-District Secondary Student: Free

Post-secondary Student (in-district): $2.50 per hour

Post-secondary Student (Out-of-District): $5 per hour

Post-secondary Student (Out-of-State): $7.50 per hour

***Additional costs may include books, supplies, and miscellaneous fees.***

# Financial Aid & Scholarships

This program is not approved for Federal Financial Aid; Payment Plans and Scholarships may be available.

# Student Organization

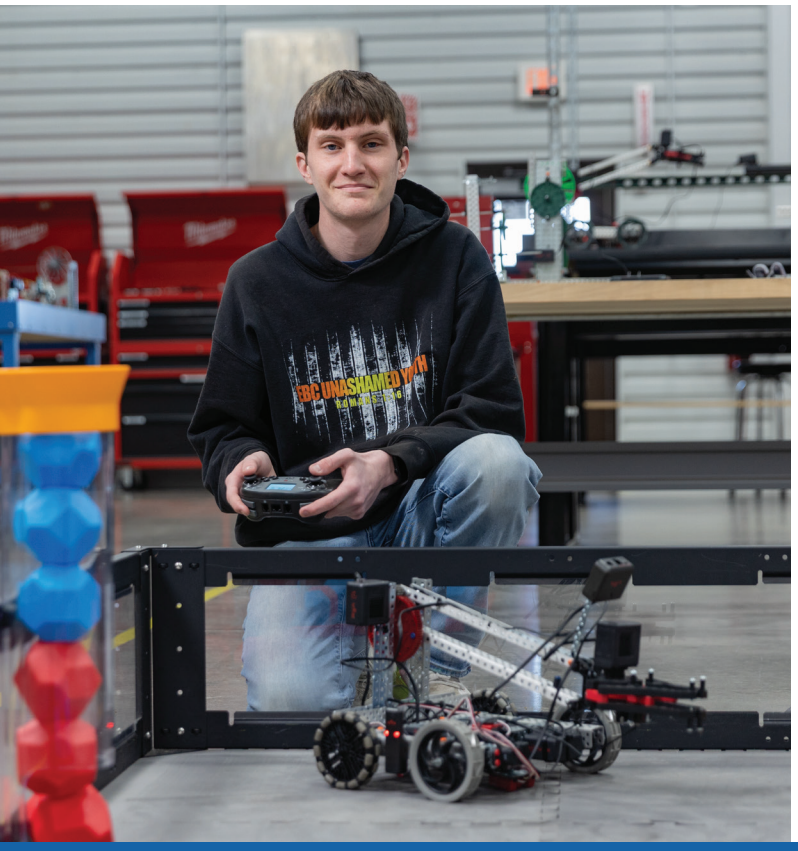
SkillsUSA

# Schedule

Secondary: 8:00-11:00 AM or 12:45-3:45 PM

Postsecondary: 8:00-11:00 AM or 12:45-3:45 PM



# Program Costs*

***Program Costs are subject to change.**

| Tuition Cost (480 Hrs) | |
|---|---|
| In-District | $1,200.00 |
| Out-Of District | $2,400.00 |
| Out of State | $3,600.00 |

Cost of Tuition includes costs for Book, Supplies, and Fees.

# Contact Us

For Current Tuition Rates, Enrollment Options, or Any Other Questions, Please Contact Student Services at 580.223.2070

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