



# Robotics & Automation Technology



Principles of Applied Engineering

Robotics 1

Robotics 2

Engineering Design & Presentation

Students work in the Robotics Lab, designing, creating, and modifying machines and electronic robots and structures. Students compete in robotic competitions testing their creations in a variety of task-oriented contests. They work with local businesses that specialize in robotics learning to apply what they learn to the complex machinery components found in a growing number of manufacturing facilities.



## College Majors

Mechanical Engineering

Industrial Technology

Robotics Technology

Electrical Engineering



## Careers

Computer Operator  
(avg. yearly \$46,353)

Industrial Engineer  
(avg. yearly \$100,000)

Electrical Engineer  
(avg. yearly \$102,534)



## Industry-Based Certification

FANUC Robot Operator 1



Scan the QR code for even more information, including videos, links, 360 degree camera views, and much more.

[SMCISD.NET/CTE](http://SMCISD.NET/CTE)