



This class allowed me to **DESIGN** and **CREATE** products from ideation to prototyping.

—Michael, Engineering Design Thinking student

ENGINEERING DESIGN THINKING STUDENTS...

- Engage in project-based learning that combines science, engineering, and technology
- Analyze, explain and create solutions to real-world problems proposed by community and business partners
- Practice the Design Process to produce authentic products for community clients
- Utilize critical thinking, collaboration, communication, creativity, and innovation for problem-solving
- Learn to operate 3D printers and scanners, laser cutters, and robotic micro controllers

RELATED CAREERS INCLUDE...

- Engineer Technician
- Mechanical Engineer
- Manufacturing Engineer
- Occupational Therapist
- Process Engineer
- Prosthetic Engineer
- Quality Engineer
- Civil Engineer
- Electrical Engineer
- Chemical Engineer

ACADEMIC CREDIT

- Fourth-Year Math
- Visual/Performing Arts

COLLEGE CREDIT

- Articulated College Credit
- Direct College Credit