

# Modern Manufacturing Work Study

The A.A.S. Electro-Mechanical Engineering Technology at Columbus State Community College is a marriage of Mechanical Engineering Technology and Electronics Engineering Technology programs. The skills electro-mechanical technicians possess are used in virtually every industry—from manufacturing, to environmental control, to food and pharmaceutical production, to power plants. Electro-mechanical technicians are immediately able to contribute to the companies that hire them.

A foundation of high school coursework in math and science is recommended for students. The course list below will help prepare high school students for an associate's degree in Electro-Mechanical Engineering Technology.

## RECOMMENDED CORE COURSES

### Mathematics: (4 units)

Honors Math 2  
Honors Math 3  
Pre-calculus  
Math Option

### Science: (4 units)

STEM Biology  
STEM Chemistry  
STEM Physical Science  
Science Option

### \* PROJECT LEAD THE WAY COURSES

Introduction to Engineering Design  
Principles of Engineering  
Digital Electronics  
Engineering Design and Development

*\* The coursework displayed is from one of Columbus State's partner high schools. PLTW curriculum varies from school to school.*