

# ADVANCED MANUFACTURING

Cookeville High School | CTE Programs | Program of Study

## High School Classes/Dual Enrollment Courses

Principles of Manufacturing

Introduction to  
Electromechanical

Advanced Electromechanical  
Technology



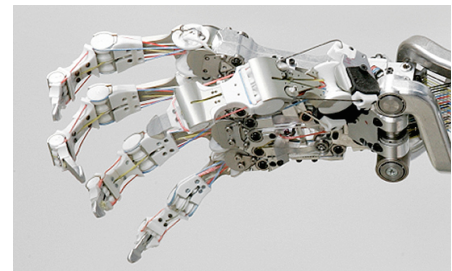
## Student Opportunities

Students who choose advanced manufacturing as their program of study are given various career opportunities that are in high demand nationwide. Additionally, they gain leadership skills in class in electronic, mechanical, computer and control skills, through dual enrollment

opportunities in partnership with Tennessee College of Applied Technology in Livingston. With the introduction of a new mechatronics

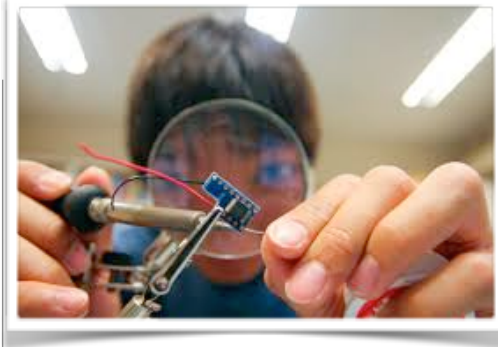
laboratory, advanced

manufacturing students gain knowledge and skills and experience in a real world setting.



**Careers**

- ✦ Robotics technician
- ✦ Aerospace
- ✦ Chemical Engineer
- ✦ Department of Defense Specialist
- ✦ Computer Support
- ✦ Banking and Commerce
- ✦ Software Engineer
- ✦ Industrial Designer
- ✦ Mechanical Systems Engineer
- ✦ Programmer
- ✦ Mechanical Engineer
- ✦ Project Engineer



**Competitions**

Students have the chance to participate in competition through SkillsUSA in mechatronics events in which students assemble, adjust and test an automated machine, or troubleshoot and repair faulty machine systems. Students have the opportunity to earn college scholarships at these events as well.



**Industry Participants**

We are always interested in partnering with local businesses in the community. If you are interested or know someone who is, please don't hesitate to contact us.

**Degrees & Certifications**

**Certifications:** Mechatronics Technology

**Associates:** Mechatronics Technology

**Bachelors:** Mechatronics Engineering Technology

**Graduate:** Mechatronics Engineering

