

Sherwood Academy of Engineering & Technology

Academy Description: The Academy of Engineering & Technology prepares students with the knowledge and skills needed to not only compete, but excel and thrive in either Engineering or computer technologies in college. The Academy of Engineering & Technology also provides students with unique opportunities to interact with professionals in the areas of engineering, programming applications, and web design to see how these professions make a difference in the world around them. This academy offers two Project Lead the Way Engineering courses where students can earn college credit.

Pathway: Engineering

Required Courses:

Introduction to Engineering Design (IED) A/B*
Principles of Engineering A/B (pre-requisite: IED)*
Technological Innovations A/B

Capstone Experience: college course OR internship OR guided research project

Pathway: Simulation, Gaming, and Programming (CPP**)

Required Courses—complete at least three credits from the following:

Introduction to Game Design & Website Development A/B**
Game Development A/B** Advanced Simulation and Gaming A/B**
Computer Programming 1 A/B Computer Programming 2 (AP) A/B
Web Design A/B

Capstone Experience: college course OR internship OR guided research project

Examples of Career Choices:

- Mechanical, Electrical, Chemical, Civil, Environmental, Aerospace, Biomedical, Ocean, Material, and Computer Engineer
- Engineering Technician
- CADD Operator
- Architect
- Web Site Developer/Web Master
- Computer Programmer
- Computer Software Engineer
- Database Administrator
- Game Programmer

* These are Project Lead the Way courses where students can earn college credit

** Students must take these courses to complete the Career Pathway Program (CPP)