Pre-Engineering
High School Classes
Exploring STEM Possibilities!

Foundational classes taught at home high schools:

**Intro to Engineering Design**
- Recommended for 9th graders
  Become a problem solver! Learn Computer Aided Design (CAD)—using Autodesk Inventor

**Principles of Engineering**
- Recommended 10th graders

CTE Center — Renaissance Campus Classes:
For the following advanced classes, students travel every other day, for a half day. Busing is provided.

- **Computer Integrated Manufacturing**
  - learn how things are made, jump into robotics, explore automation
  Open to 11 & 12th graders

- **Digital Electronics**
  - get tech saavy, master digital signals & electronic circuits, which run cell phones, MP3s, computers, HDTVs and lots more!
  Open to 11 & 12th graders

- **Aerospace Engineering**
  - soar into aeronautic concepts and design
  Open to 12th graders

- **Engineering Design & Development**
  - be an engineer—work on a team to design, research, test, report on an engineering solution!
  Open to 12th graders

- **Civil Engineering & Architecture**
  - Unleash your creativity by collaborating on a property site design.
  Open to 11 & 12th graders

Program Highlights

- **Project Lead the Way Nationally Certified**
- **Highly Qualified Instructors**
- **College Credits are Offered**

Learn more at www.westada.org/Engineer