

Pre-Engineering Academy

Industry Certifications | License

*Advanced Placement (AP) Calculus exam available

Certified School - *Project Lead the Way*

- Intro to Engineering Design
- Principles of Engineering
- Aerospace Engineering
- Civil Engineering & Architecture
- Computer Intergrated Manufacturing

Quick Facts

Students: High School

Campus: Drumright Only

Times: Morning, Afternoon

Scheduling Information

Drumright: 8:25am – 11:15am
12:45pm – 3:35pm

High school students attend morning or afternoon. Restrictions apply. Most classes follow the traditional August – May schedule.

Entrance Requirements

Enrollment is open to in-district high school sophomores, juniors and seniors.

Algebra I is a prerequisite. Physical science and Biology are recommended but not required.

Application Process

Applications are available online at www.CentralTech.Edu, on Central Tech campuses and high schools in our district. Return completed application to a Central Tech Recruiter or high school counselor. Additional information may be required.

Program

PLTW Pre-Engineering

Pre-Engineering prepares high school students for success in colleges of engineering. Math and science are combined with engineering-related classes to provide students with the academic preparation and an understanding of engineering to determine their interest in pursuing engineering as a career. Graduates from the Academy should be planning to obtain a college degree in an engineering discipline.

Class time by hours | 960 clock hours

- 120 Introduction to Engineering Design
- 120 Principles of Engineering
- 120 Algebra II/Geometry
- 120 Aerospace Engineering – or Civil Engineering & Architecture– or Computer Integrated Manufacturing
- 120 Pre-AP Physics
- 120 Pre-AP Chemistry
- 120 Trigonometry/Pre-Calculus
- 120 Engineering Design & Development

Tuition: \$0|Fees: \$15|Cost: \$15

Advanced PLTW Pre-Engineering

Pre-Engineering prepares high school students for success in colleges of engineering. Math and science are combined with engineering-related classes to provide students with three years academic preparation and an understanding of engineering to determine their interest in pursuing engineering as a career. Graduates from the Academy should be planning to obtain a college degree in an engineering discipline.

Class time by hours | 1440 clock hours

- 120 Introduction to Engineering Design
- 120 Principles of Engineering
- 120 Algebra II/ Geometry
- 120 Pre AP Physics
- 120 Computer Integrated Manufacturing
- 120 Trigonometry/Pre-Calculus
- 120 AP Physics
- 120 Aerospace Engineering
- 120 Civil Engineering and Architecture
- 120 AP Calculus
- 120 Pre AP Chemistry
- 120 Engineering Design and Development

Tuition: \$0|Fees: \$15|Cost: \$15

*Program costs are subject to change.