

Principles of Applied Engineering

(Home Campus Only)



Prerequisite: None

Course: 1610A/B

Credits: 1

Length: 36 weeks

Placement: 9-12

Course Description

Principles of Applied Engineering will offer students an overview of science, technology, engineering and mathematics and their relationships (STEM). Students will use a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the STEM fields of study and will be able to make informed decisions regarding a coherent sequence of subsequent courses offered at Ben Barber CTA. Further, students will have worked on a variety of design teams to develop various products or systems. Student will use multiple software applications and equipment to prepare, complete and present course assignments. Visit Achieve Texas for more information:

<http://www.achievetexas.org/Sciences.htm>

Student Activities

- Functional leadership
- Digital technology
- Architectural design & AutoCAD
- Electronics and electrical circuits
- Automation, robotics and control systems
- Green energy and biotechnology
- Design, prototyping, and modeling
- Construction & manufacturing

Organizations/After School/Competitions

