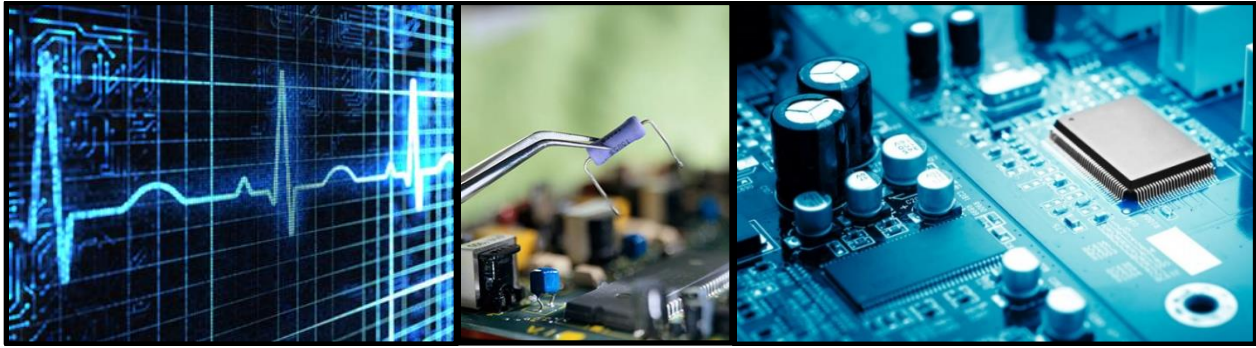


AC/DC Electronics



Prerequisite: *Geometry or concurrent*

Course: 1841CT

Credits: 1

Length: 18 weeks

Placement: 10-12

Course Description

Welcome to the world of electronics! The course is designed to provide all students the opportunity to learn about the basics electricity and electronics, available careers and job opportunities. This course is designed to provide broad introductory skills and knowledge of career opportunities and training requirement in electrical and electronics-related fields. This course teaches safety, technical math, job skills and introduces DC and AC electronic principles as well as digital concepts. Circuit construction, soldering, use of basic test equipment, residential wiring, tools and materials of the electrical and electronics industry, troubleshooting and project building are explored. Visit Achieve Texas for more information on career opportunities at: <http://www.achievetexas.org/Sciences.htm>

Student Activities

- Students use the concepts taught in class to research, design, build, troubleshoot and explain projects.
- Students participate in community service projects such as providing a video game room at a Christmas party for underprivileged children
- Students have the opportunity to compete in SkillsUSA

Organizations/After School/Competitions



SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce.

Additional Considerations

Students must have successfully completed Geometry without modification. Students need fine motor skills and mobility.