



# Oliver Springs High School CTE Courses



## Residential Construction

Fundamentals of Construction is a foundational course in the Architecture & Construction cluster covering essential knowledge, skills, and concepts required for careers in construction. Upon completion of this course, proficient students will be able to describe various construction fields and outline the steps necessary to advance in specific construction careers. Students will be able to employ tools safely and interpret construction drawings to complete projects demonstrating proper measurement and application of mathematical concepts. Standards in this course also include an overview of the construction industry and an introduction to building systems and materials.



## Business and Information Technology

Computer Applications is a foundational course intended to teach students the computing fundamentals and concepts involved in the use of common software applications. Upon completion of this course, students will gain basic proficiency in word processing, spreadsheets, databases, and presentations. In addition, students will have engaged in key critical thinking skills and will have practiced ethical and appropriate behavior required for the responsible use of technology.



Business Communications is a course designed to develop students' effective oral and electronic business communications skills. This course develops skills in multiple methods of communications, including social media, as well as electronic publishing, design, layout, composition, and video conferencing. Upon completion of this course, proficient students will be able to demonstrate successful styles and methods for professional business communications using the proper tools to deliver effective publications and presentations.





Advanced Computer Applications prepares students to continue postsecondary training in business-related programs, provides advanced training for students pursuing a career in administrative and information support, and supports obtaining an industry certification in specific software applications (such as the Microsoft Office Suite). Course content and projects are meant to simulate workplace scenarios and draw on skills related to communications, operations, management, and teamwork in order to accomplish information management goals. Upon completion of this course, proficient students will be fluent in a variety of information management software applications and will be prepared to sit for the Microsoft Office Specialist (MOS) Certification.



## STEM

Principles of Engineering - Students evaluate existing engineering designs, use sketching and drawing techniques and complete simple design projects. Prerequisite: B average or above in previous math. This is the first course in this Program of Study.

Digital Electronics - Students construct and test digital logic circuits with hands-on activities, real-world equipment, and current technology. Prerequisites: Principles of Engineering. This is the second course in this Program of Study.

Robotics & Automated Systems - This is an applied course for students who want to explore how robots and automated systems are used. Prerequisites: Principles of Engineering and Digital Electronics. This is the third course in this Program of Study.





## Human Services

Intro to Human Studies is a comprehensive foundation course designed to assist in developing the core knowledge and skill needed to manage their lives.

Nutrition is designed to help students understand the nutrient value, appetite appeal, social significance, and cultural aspects of food.

Lifespan Development assists students in making a successful transition from high school into the post high school environment. Students will be empowered to take action for the well-being of themselves and others as they effectively manage the roles and responsibilities created by family, career, and community interactions.

