



## Construction

Over the period of one school year (on a trimester basis), students will complete three rigorous courses:

- Industrial Fundamentals of Occupational Safety
- Intro to Construction
- Carpentry I

### **Course I: Industrial Fundamentals Occupational Safety**

This course is designed as the foundational course in the Carpentry, Plumbing, Electrical, Masonry, Machining, Welding, Sheet Metal, Heating, Ventilation, Air Conditioning and Refrigeration, and HVACR Electrical pathways and prepares students in pursuit of any career in construction. The course prepares the trainee for a basic knowledge of how to function safely on or around a construction site and in the industry in general and will provide the trainee with the option for an Industry Certification in the Construction Core. Pre-requisite for this course is advisor approval.

### **Course II: Introduction to Construction**

The goal of this course is to introduce students to the history and traditions of carpentry, masonry, plumbing, and electrical craft trades.

### **Course III: Carpentry 1**

This course is preceded by Introduction to Construction and is the third of three courses that provides the student with a solid foundation in carpentry skills and knowledge. As the third step in gaining a Level One Industry Certification in Carpentry, the course provides an overview of the building materials used in the carpentry craft, as well as teaching techniques for reading and using blueprints and specifications related to the carpentry craft. The course provides specific knowledge and skills in site layout and floor and wall framing systems and includes basic industry terminology for a carpentry craftsman.

**The course work is accelerated, and the expectation is for students to complete most of the work at home, so there's time for students to get hands-on experience and a course credential.**

The construction program is associated with SkillsUSA our (CTSO) Career Technical Student Organization. Our CTSO would like all construction students to become paid members to enjoy the benefits, becoming a chapter officer, participating in Champion rally, fall leadership conference, SkillsUSA region competition, state capitol visit, and SkillsUSA State leadership Conference, to name a few. Some of these trips cost extra.

**The program offers OSHA 10-hour certification and NCCER Industry Credential Core and Carpentry.**

Please feel free to contact me if you have any questions or need additional information.

Sincerely,

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Construction Teacher  
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