

## **INTRODUCTION TO THE CONSTRUCTION TRADES CERTIFICATE OF COMPLETION**

The Introduction to the Construction Trades Certificate of Completion combines an overview of the building trades and construction math with industry relevant certificates, including OSHA 10 and basic First Aid/CPR/AED certificates. The combined coursework is intended to prepare students to enter the building trades with basic technical skills, skills in construction math, as well as a clear understanding of jobsite safety and the soft skills required to advance their careers in the building trades. Students completing this certificate will be well positioned to gain entry level employment, in new and remodel construction, in addition to specialty trades such as plumbing, electrical, building efficiency and retrofitting.

### **Required Courses:**

		<b>Hours</b>
EMS 550	Community First Aid/CPR/AED	8.5
SCT 500	Introduction to the Construction Trades	42.5
SCT 505	Introduction to the Construction Trades Lab	42.5
SCT 540	Construction Math A	17
SCT 562	Safety Standards for Construction	17

### **Plus 1 additional course take from the following:**

		<b>Hours</b>
SCT 515	Fork and Scissor Lift Operation Basics	8.5
SCT 541	Construction Math B	17

### **Total hours**

**136 – 144.5**

### ***Program Level Student Learning Outcomes:***

1. Explain the construction process and describe the various technical trades and skills required in the construction process.
2. Solve construction related problems and materials estimation by applying apply basic mathematical principles.
3. Discuss construction safety concepts and demonstrate best practices related to construction job sites, including around equipment; demonstrate competency in community First Aid/CPR/AED.
4. Demonstrate applied understanding of soft skills required for construction jobsites, including verbal and non-verbal communication, willingness to learn and cooperate, planning and organization, persistence in problem solving, and actively listen to instructions.
5. Have acquired necessary skills to gain employment in the construction industry.