



Carpentry and Construction Safety Specialist Certificate Program

Course Description

The Carpenter and Construction Safety Specialist Certificate Program is the industry recognized credential that certifies the competency of both carpentry fundamentals and safety skills. Students will learn how to navigate construction sites, how to properly use personal protective equipment, read and understand Safety Data Sheets, avoid electrical and hazardous materials, comprehend construction measurements and calculations, the proper usage of hand/power tools, blueprint reading, OSHA standards, and how to work with basic carpentry materials. The goals of the program is to provide students with the foundation not only necessary to master the information and skills required to successfully pass each exam, but, to also obtain the skills and knowledge necessary to acquire an entry-level position in the construction industry. The student will be prepared to take the following certification exams:

- OSHA 30 Exam
- I.C.C.S Fundamentals Exam
- CPR/First Aid Certification Exam

Admissions Requirements:

- a. Individuals applying for this course are required to have successfully completed the basics test for computers
- b. Present proof of education (high school diploma or GED certificate or in pursuit thereof)

Career Opportunities:

Carpenters are required for small, medium, large and multi-billion-dollar corporations, governments, and non-profit organizations to construct, install, or repair structures and fixtures made of wood, such as concrete forms (including frameworks, partitions, joists, studding, rafters, and stairways). The next step on the career ladder for a carpenter is supervisor of Construction Trades & Extraction Workers.

Course Session Information

Class Session:	Day 9:00am – 3:00pm ⊥ Mon – Thurs; Lunch 11:30am -12:30pm Breaks 15 min 10am and 2pm
Course Length:	150 hours: Day – 8 weeks (no holidays)
Class Size:	Ratios up to 20 students per Instructor

Tuition and Fees

In order to graduate, the student must complete the required hours for the course with a minimum overall average of 70. Upon satisfactory completion, the student will receive a Certificate of Completion.



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Program Outline	Subject Title	Clock Hours			
		Lec	Lab	Ext	Total
AAIC101	Fundamentals of Construction Program overview, Role of the Laborer, Careers in Construction, Sexual Harassment, Construction Technology & Collaborative Problem Solving Skills	09	01	00	10
AAIC102	Safety Culture, Personal Protective Equipment, Intro to OSHA Standards, Electrical Hazards, Safety Data Sheets & Common Causes of Accidents	10	05	00	15
AAIC103	Measurements & Calculations, Construction Hand & Power Tools, Construction Drawings, Hazardous Materials & Moving a Load on a Worksite	15	05	00	20
AAIC104	OSHA 10, CPR, First-Aid, IAED Usage & OSHA 30	43	02	00	45
AAIC105	Building Materials, Floor Systems, Wall & Ceiling Frames, Roof Framing & Introduction to Concrete	15	35	00	50
AAIC106	Final Review & Test Prep, Hands-On Exam	04	02	00	06
AAIC107	Final Written Exam	04	00	00	04
ADMN01	Exit Interviews and Certificates of Completion, OSHA 30, First/CPR Certifications	00	00	00	00
	TOTALS	100	50	00	150