

Construction Curriculum Guide 2021-2022

Program Description

The Construction Program has one term of curriculum. Students will complete the PACT Training Core developed by the Home Builders Institute. Students will learn construction math, the safe and proper use of hand and power tools, blueprint reading, vocabulary, and terminology as well as employability skills. The hands-on construction skills in carpentry exposes the student to trade skills experience, tool use, job-site safety, productive work habits, and applied mathematical concepts.

A Construction Laborer performs a variety of tasks that involve physical labor at construction sites. They are often required to lift heavy materials, operate power tools and use numerous other types of machinery and equipment.

Program Admissions Requirements - Students who most closely match the **U.S. Department of Labor occupational profile** for a Construction Laborer are accepted for enrollment.

Aptitude/Abilities: Average learning ability, demonstrated ability to compute dimensions, average form and spatial perception, average finger and manual dexterity, average form perception, good mechanical aptitude

Environment - Loud, Dusty, Inclement Weather, Extremes in Temperature, Hazardous Materials, Confined spaces, Working at heights

Physical Demands - Medium to heavy

Temperament - Performs a variety of tasks, ability to make judgments and execute precision work

Entry-Level Pay - Starting pay may range from the current minimum wage to a higher amount depending on the location of the job.

Certificate of Completion Programs (SOC code):

- Construction Laborer (47-2061)

National Certifications a student can earn

- OSHA 10 Construction Safety
- First Aid/CPR/AED
- Ladder Safety
- Pre-Apprenticeship Certificate Training (PACT) Core

Required Courses for Certification

To advance from term to term, students must demonstrate academic progress (satisfactory grade point average of 2.0) and good employability skills.

Construction Laborer certificate (one term)

Course Number	Course Name	Credits
CO 100	Construction Carpentry	12

Instructors, program managers, and/or the referring counselor may recommend employability skills and elective classes based on the student's needs, interest, and abilities. Additional terms or courses are initiated by the instructor and approved by the Manager of Career and Technical Education programs. Job Seeking Skills is required for all students expecting to graduate from MCTI.

Course Descriptions

CO 100: Construction Carpentry

This entry-level course focuses on developing a working knowledge of safety and hand/power tool use using various materials, tools, and processes applicable to the construction industry. Students will learn basic blueprint reading and utilize trade specific math to complete hands on construction projects.

Topics Covered: Safety, Hand/Power tool use, Construction vocabulary, Construction math, Hands on construction skills in carpentry and job/work preparation including employment searches, resume creation and interviewing skills.