



9193

CARPENTRY MILLWORK
(12C)

40S/40E/40M

A Carpentry Course

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Course Description

In this course, students will be introduced to the knowledge, skills, and attitudes related to the manufacturing and installation of millwork.

Goal 1: Describe and apply appropriate **health and safety** practices.

GLO 1.1: Describe and apply appropriate **health and safety** practices.

SLO 12C.1.1.1 Demonstrate an understanding of and adherence to health and safety practices.

GLO 1.2: Demonstrate knowledge of the ***Trade Safety Awareness Manual***.

No applicable SLOs.

Goal 2: Demonstrate the identification, installation, and management of **materials**.

GLO 2.1: Demonstrate the identification, installation, and management of **materials**.

SLO 12C.2.1.1 Demonstrate the identification, installation, and management of materials.

Goal 3: Demonstrate the identification, use, and management of **tools, equipment, fasteners, and adhesives**.

GLO 3.1: Demonstrate the identification, use, and management of **tools and equipment**.

SLO 12C.3.1.1 Demonstrate the identification, use, and management of tools, equipment, and hardware used in millwork.

GLO 3.2: Demonstrate the identification, use, and management of **fasteners and adhesives**.

SLO 12C.3.2.1 Demonstrate the identification, use, and management of fasteners and adhesives.

Goal 4: Demonstrate the basic **skills** of carpentry.

GLO 4.1: Demonstrate the skills related to **project drawings and specifications**.

SLO 12C.4.1.1 Demonstrate the ability to interpret blueprints and to produce drawings and layouts.

GLO 4.2: Demonstrate the carpentry skills related to **layout, measurement, and assembly**.

SLO 12C.4.2.1 Demonstrate the ability to calculate board feet of lumber.

SLO 12C.4.2.2 Demonstrate the knowledge and skills related to joinery and casework.

SLO 12C.4.2.3 Demonstrate the process of assembling stairs, cabinets, or furniture.

SLO 12C.4.2.4 Demonstrate an awareness of the installation of stairs or cabinets.

GLO 4.3: Demonstrate the ability to determine **elevations** and lay out **building lines**.

No applicable SLOs.

GLO 4.4: Demonstrate the knowledge and skills associated with **concrete foundations**.

No applicable SLOs.

Goal 5: Follow the **ethical and legal standards** that pertain to carpentry.

GLO 5.1: Demonstrate an awareness of the **ethical and legal expectations** of carpenters.

No applicable SLOs.

Goal 6: Demonstrate **employability skills**.

GLO 6.1: Demonstrate **employability skills**.

SLO 12C.6.1.1 Demonstrate regular attendance and punctuality.

SLO 12C.6.1.2 Demonstrate accountability by taking responsibility for own actions.

SLO 12C.6.1.3 Demonstrate adaptability and effort.

SLO 12C.6.1.4 Demonstrate the ability to accept and follow direction and feedback.

SLO 12C.6.1.5 Demonstrate teamwork skills.

SLO 12C.6.1.6 Demonstrate the ability to stay on task and use time effectively.

GLO 6.2: Demonstrate **critical thinking** skills.

SLO 12C.6.2.1 Demonstrate problem-solving skills.

GLO 6.3: Demonstrate respectful interactions with individuals of different **cultures**.

SLO 12C.6.3.1 Demonstrate an awareness of how people's culture affects their values and behaviour.

Goal 7: Demonstrate an awareness of **sustainability** as it pertains to carpentry.

GLO 7.1: Describe the impact of the construction industry on **human sustainability** and the health and well-being of carpenters.

SLO 12C.7.1.1 Demonstrate an awareness of the sustainability of the carpenter's working conditions.

GLO 7.2: Describe the construction industry's **sustainability practices** and impact on the environment.

SLO 12C.7.2.1 Demonstrate the efficient use of materials.

SLO 12C.7.2.2 Demonstrate an awareness of local and reclaimed sources of wood (e.g., woodanchor.com).

Goal 8: Demonstrate an understanding of the **structure and scope** of carpentry.

GLO 8.1: Describe the **scope of** carpentry.

SLO 12C.8.1.1 Demonstrate an awareness of the scope of millwork.

GLO 8.2: Describe **apprenticeship, post-secondary education, and employment opportunities**.

SLO 12C.8.2.1 Describe employment opportunities in millwork.

Goal 9: Demonstrate an understanding of the **evolution** of carpentry, including its **technological progression and emerging trends**.

GLO 9.1: Demonstrate an understanding of the **evolution** of carpentry, including its **technological progression and emerging trends**.

SLO 12C.9.1.1 Demonstrate an awareness of the evolution of millwork, including its technological progression and emerging trends.
