

BUILDING TRADES - CARPENTRY

Overview

Building Trades - Carpentry Technical Diploma

Program Code: 31-475-1

For more information: www.wctc.edu/carpentry (<http://www.wctc.edu/carpentry/>)

Carpenters complete jobs large and small – from building highways to installing cabinetry. In this program, become proficient at using power tools, hand tools and other equipment, and work with lumber, fasteners and hardware. Develop skills for framing, roofing and exterior/interior finish work, and study blueprint reading, math and estimating.

The minimum required course grades and program grade point average (GPA) for students under this catalog are:

Core Courses = C

General Studies Courses = C-

Program GPA = 2.0

Learning Outcomes

Program Outcomes

1. Use hand and power tools and equipment.
2. Apply industry recognized safety practices and procedures.
3. Analyze sustainable building practices.
4. Interpret construction drawings.
5. Interpret building codes.
6. Demonstrate industry building practices and material application.

Critical Life Skills

To help our students prepare for success in a workplace and society that is **increasingly global, multi-cultural, and collaborative**, all students are given opportunities to develop and demonstrate Critical Life Skills, both in and out of the classroom. The following Critical Life Skills are learning outcomes for WCTC students.

- **Communication:** Demonstrate appropriate communication.
- **Critical Thinking/Problem Solving:** Demonstrate critical thinking skills to analyze situations and solve problems.
- **Relationships:** Demonstrate effective interpersonal skills.
- **Self-management:** Demonstrate responsible and respectful behavior.

Required Courses

Listed below are the required courses for the program. To view the recommended sequence for taking courses click on the plan of study tab(s) above. Work with your Academic Advisor to design a program plan!

View your **Program Matrix** to find out when each course will be offered (term and time of day).

Code	Title	Credits
Core Courses		
475-101	Intro to Building Trades	1

Approved Substitute: 475-301		
475-103	Blueprint Reading/Construction	2
Approved Substitute: 475-310		
475-105	Basic Carpentry Theory I	3
Approved Substitutes: 475-301 AND 475-316		
475-106	Basic Carpentry Theory II	2
Approved Substitute: 475-318		
475-107	Carpentry Experience I	2
Approved Substitute: 475-317		
475-108	Carpentry Experience II	3
Approved Substitute: 475-317		
475-109	Carpentry Experience III	2
Approved Substitute: 475-319		
475-110	Carpentry Experience IV	3
Approved Substitute: 475-319		
475-112	Carpentry Estimating & Plannin	2
Approved Substitute: 475-321		
475-114	Basic Computer Skills-Construc	1
Approved Substitute: 475-312		
475-116	Interior Finish Carpentry	3
Approved Substitute: 475-350		
General Studies		
801-311	Communication in the Workplace	2
Approved Substitutes: 801-136 OR 801-223 OR 801-196		
804-308	Math for the Trades	1
Approved Substitute: 804-301		
Total Credits		27

Full-time Plan

First Year

Fall Term 1		Credits
475-101	Intro to Building Trades	1
475-105	Basic Carpentry Theory I	3
475-107	Carpentry Experience I	2
804-308	Math for the Trades	1
Credits		7

Fall Term 2

475-106	Basic Carpentry Theory II	2
475-108	Carpentry Experience II	3
Credits		5

Winter Interim

475-103	Blueprint Reading/Construction	2
Credits		2

Spring Term 1

475-109	Carpentry Experience III	2
475-112	Carpentry Estimating & Plannin	2
475-114	Basic Computer Skills-Construc	1
801-311	Communication in the Workplace	2
Credits		7

Spring Term 2

475-110	Carpentry Experience IV	3
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475-116	Interior Finish Carpentry	3
Credits		6
Total Credits		27