

CONCRETE FINISHING (ABC) APPRENTICESHIP

Overview

Concrete Finishing (ABC) Apprenticeship

Program Code 50-429-9

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

Concrete finishers help build highways, skyscrapers, houses and other concrete structures. They finish flat surfaces such as floors, foundations and roadways, as well as vertical surfaces including walls, beams and girders. Receive high-quality, hands-on classroom instruction that complements on-the-job apprenticeship training critical for success in the industrial trades.

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

Core Courses = C
Program GPA = 2.0

Additional details regarding Associated Builders and Contractors (ABC) apprenticeships:

- Contact Associated Builders and Contractors, Inc. (ABC) of Wisconsin, 5330 Wall Street, Madison, WI 53718; www.abcw.org/apprenticeship (<http://www.abcw.org/apprenticeship/>).
- Complete the ABC application packet, which will include qualifying test information.
- After application approval, a list of potential employers will be provided.
- Obtain employment for apprenticeship training.

Application to WCTC is not necessary by the student.

Learning Outcomes

Program Outcomes

1. Prepare for jobs performed by the trade.
2. Level concrete.
3. Finish and cure concrete.
4. Cut, repair, and resurface concrete.
5. Perform specialty concrete work.
6. Create architectural finishes in concrete.
7. Interpret blueprints & job specifications.

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

Code	Title	Credits
Core Courses		
429-701	Intro Concrete Const & Finish	1
Approved Substitute: 429-500		
429-702	Concrete Properties & Formwork	1
Approved Substitute: 429-500		
429-703	Site Prep Concrete Placement	1
Approved Substitute: 429-501		
429-704	Concrete Finish Techniques	1
Approved Substitute: 429-501		
429-705	Curing & Protecting Concrete	1
Approved Substitute: 429-502		
429-706	Adv. Concrete Properties	1
Approved Substitute: 429-502		
429-707	Site Concrete	1
Approved Substitute: 429-503		
429-708	Reinforced Concrete	1
Approved Substitute: 429-503		
429-709	Industrial Concrete Floors	1
Approved Substitute: 429-504		
429-710	Concrete Super Flat Floors	1
Approved Substitute: 429-504		
429-711	Design & Control Conc Mixtures	1
Approved Substitute: 429-505		
429-712	Concrete Quality Control	1
Approved Substitute: 429-505		
Total Credits		12

Full-time Plan

First Year		
Fall Term 1		Credits
429-701	Intro Concrete Const & Finish	1
429-702	Concrete Properties & Formwork	1
Credits		2
Spring Term 1		
429-703	Site Prep Concrete Placement	1
429-704	Concrete Finish Techniques	1
Credits		2
Second Year		
Fall Term 1		
429-705	Curing & Protecting Concrete	1
429-706	Adv. Concrete Properties	1
Credits		2
Spring Term 1		
429-707	Site Concrete	1
429-708	Reinforced Concrete	1
Credits		2

Third Year

Fall Term 1

429-709	Industrial Concrete Floors	1
429-710	Concrete Super Flat Floors	1
Credits		2

Spring Term 1

429-711	Design & Control Conc Mixtures	1
429-712	Concrete Quality Control	1
Credits		2
Total Credits		12