



CERTIFICATE

Certificate in Construction Technology - Masonry

Total Credit Hours: 31

About Certificate in Construction Technology - Masonry

The Certificate in Construction Technology Program will prepare students for the current local and global job market with entry-level skills needed for any of the following fields: carpentry; electricity; heating, ventilation, and air conditioning (HVAC); masonry; plumbing; reinforcing metal worker; and welding. All students must successfully pass four (4) core courses (technical related requirements) with a “C” or better before enrolling in one (1) of the seven (7) concentration areas.

[REQUIREMENTS FOR CERTIFICATE](#)

Masonry Track		
Major Requirements		
Course	Course Name	Credits
AE103	Basic Blueprint Reading	3
CT100	Introduction to Construction Trades	3
CT140	Industrial Safety	3
CT153	Introduction to Carpentry	3
CT154A	Masonry Level I	4
CT 154B	Masonry Level II	4
CE215	Construction Procedures	3
CT292	Construction Practicum	3
HL135	Heartsaver First Aid CPR AED	1
MA094	Mathematics for the Trades	4
Certificate Total Minimum		31

2024-2025 College Catalog

[GENERAL REQUIREMENTS FOR CERTIFICATE](#)

General Requirements for

Certificates

Effective fall Semester 2003, several academic policy changes were implemented to ensure that students are adequately prepared to meet business and industry standards. All Undeclared or newly Declared Students enrolled in regularly scheduled postsecondary courses must be enrolled in or must have completed developmental coursework for Math and English or have successfully placed into post-secondary Math and English (or equivalent).

Students must fulfill the English general education requirement by the time they have enrolled in 12 credits of classes. This means that students may take only nine (9) credits before they must begin meeting the general education requirements. All declared students in Certificate programs will be required to successfully complete minimum general education course requirements. For more information, refer to the Admissions Information, General Education Policy section of this catalog.

A. General Education Requirements

Students must demonstrate proficiency in reading, writing, understanding and speaking English as indicated by one of the following:

- Test out of the English Placement Test (or equivalent), or
- Satisfactory completion of EN097 courses and
- Test out of the Math Placement Test (or equivalent), or
- Satisfactory completion of MA098 course

*Students in the Certificate of Construction Technology program can successfully complete their math requirements with MA094 Mathematics for the Trades in lieu of MA098 Intermediate Algebra.

B. Major Requirements. Total Major Requirements vary by program. Minimum Total Credits Required for a Certificate is 30 credits.

* No course may be counted for both Major and General Education requirements.

** Placement testing is not mandatory for admission to the College. Completion of placement testing or equivalent, however, is required for enrollment into English and mathematics courses. Therefore, students who plan to enroll full-time in a program should take the placement test to be eligible for a full load of courses.

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[Student Learning Outcomes](#)

Upon successful completion of the Certificate in Construction Technology program, students will be able to:

1. Demonstrate basic skills needed to function as an entry-level worker in at least one construction trades concentration area in accordance with industry safety standards: carpentry; electricity; heating, ventilation, and air-conditioning (HVAC); masonry; plumbing; reinforcing metal worker; or welding.
2. Exhibit entry-level knowledge in chosen construction trades concentration area.
3. Demonstrate professionalism as related to the construction trades industry.

Check out some of these amazing Certificate in Construction Technology - Masonry courses...

AE103 Basic Blueprint Reading

This course introduces students to basic principles of blueprint reading and shop sketching, including a study of drafting principles and concepts and all the related technical information necessary to interpret a drawing. Trade terminology and shop and field practices are defined and applied in operational notes, which appear on drawings.

[+ More Info](#) [1]

CT154B Masonry Level II

This course builds on content addressed in CT154A, and introduces students to core principles in masonry, providing them with the foundational knowledge necessary for more advanced study and experiential development of skills in Construction Trades. This course focuses on masonry design, layout and project planning, on laying blocks, walls and columns, and on construction procedures. It also reviews students' knowledge of, and ability to safely use supplies, equipment, hand tools, and power tools.

[+ More Info](#) [2]

CT154A Masonry Level I

This course focuses on the skills and academic competencies necessary for safe, professional, as well as effective practice of basic masonry in entry-level masonry-related occupations. Safety, proper use, care and maintenance of masonry tools and equipment will be emphasized. Mastery of selected construction-related competencies will be demonstrated through the completion of projects. Students will be oriented to the process of securing entry-level masonry positions.

[+ More Info](#) [3]

You may also be interested in these related Programs...



[4]

[Certificate in Construction Technology - Reinforcing Metal Worker](#) [4]

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[+ More Info](#) [4]



[5]

[Certificate in Construction Technology - Heating, Ventilation, and Air-Conditioning \(HVAC\)](#) [5]

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[+ More Info](#) [5]



[6]

[Certificate in Construction Technology - Electricity](#) [6]

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[+ More Info](#) [6]