

CARPENTRY, CERTIFICATE OF PROFICIENCY



Students must be currently working in a registered apprenticeship program in conjunction with the U.S. Department of Labor, Bureau of Apprenticeship and Training. This certificate emphasizes the skill set required to be a highly skilled craftsman. Carpentry is the art and trade of cutting, working, and joining timber. Carpenters work with both structural materials in framing, as well as items such as doors, windows, and staircases. The apprenticeship certificate recognizes student attaining journey level status at the completion of the technical studies.

Program contact: Learn more

Financial Assistance funds cannot be applied towards this program.

This certificate will be automatically awarded when the certificate requirements are completed. If you do not want to receive the certificate, please notify the Office of the Registrar at RegistrarOffice@tri-c.edu.

Learn more about how certificate credits apply to the related degree.

Program Admission Requirements

- Intent-to-hire agreement with participating contractor

Other Information

- Participant must be working in an apprenticeship in conjunction with the U.S. Department of Labor, Bureau of Apprenticeship and Training

Program Learning Outcomes

This program is designed to prepare students to demonstrate the following learning outcomes:

1. Communicate verbally, nonverbally and in writing with the construction team that includes members of other trades, contractor and government agencies.
2. Work independently and in a team environment to accomplish the job in a timely and professional manner.
3. Recognize, analyze and apply critical thinking to resolve issues as they arise, minimize waste and improve productivity.
4. Use appropriate personal protective equipment and fall protection to ensure a safe and environmentally sensitive work environment in accordance with OSHA and other federal, state, local and contractor's standards and policies.
5. Exhibit pride of craftsmanship, reliability, commitment to the organization and take opportunities to upgrade skills.

6. Apply basic math concepts and operations and blueprint reading to accurately determine layout in order to fabricate and install various construction tasks that minimize waste.
7. Be certified in OSHA, CPR/First Aid, Scaffold, fall protection and MSDS.
8. Fabricate and install interior/exterior walls, stairs, doors, windows, roof components, flooring and exterior finish in order to build a residential home that meets customer specifications.
9. Fabricate, install and disassemble various concrete forms, frames and systems using appropriate crane and rigging hardware for bridges and commercial building according to customer specifications.
10. Fabricate walls, stairs, ceiling grids and install studs, drywall, ceilings, door, and windows to meet a commercial client's specifications.

Suggested Semester Sequence

| First Semester | | Credit Hours |
|---------------------------|--------------------------------------|--------------|
| ATCT-1301 | Introduction to Carpentry | 2 |
| ATCT-1310 | Carpentry Safety | 2 |
| ATCT-1320 | Introduction to Hand and Power Tools | 2 |
| ATCT-1351 | Metal Studs and Dry Walls | 2 |
| ATCT-1381 | Wood Framing | 2 |
| Credit Hours | | 10 |
| Second Semester | | Credit Hours |
| ATCT-1331 | Concrete Footers and Walls | 2 |
| ATCT-1370 | Layout | 2 |
| ATCT-1390 | Welding for Carpentry | 2 |
| ATCT-1491 | Residential Steel Framing | 2 |
| ATCT-1610 | Interior Finish | 2 |
| ATCT-2361 | Suspended Ceilings | 2 |
| ATCT-xxxx | Any ATCT Elective course | 2 |
| Credit Hours | | 14 |
| Summer Completion | | Credit Hours |
| ATCT-2341 | Concrete Specialities | 2 |
| ATCT-2370 | Interior Systems Layout | 2 |
| ATCT-2560 | Interior Systems III | 2 |
| Credit Hours | | 6 |
| Total Credit Hours | | 30 |

MATH-1140, MATH-1141, MATH-1200, MATH-1270, and MATH-1280 can no longer count towards fulfilling the college-level mathematics requirement. These courses were re-classified as developmental mathematics by the state of Ohio in 2016. Tri-C established a 5-year transitioning window for students who had completed these courses prior to 2016 to apply them towards meeting graduation requirements, which expired in Summer 2021. It is highly recommended to see a counselor to determine the appropriate math required for your current major.