APPLIED INDUSTRIAL TECHNOLOGY (FLOORLAYING), ASSOCIATE OF APPLIED SCIENCE

This program is offered in partnership with the Central Midwest Regional Council of Carpenters – United Brotherhood or Carpenters and Joiners of America at various local training centers around the state. Students must be currently working in a registered apprenticeship program in conjunction with the U.S. Department of Labor, Bureau of Apprenticeship and Training.

The apprenticeship program prepares the student to work as a journey-level Floorlayer, as well as earn an Associate of Applied Science in Floorlaying Technology degree. A four-year apprenticeship emphasizes the skill set required to be a highly skilled craftsman. The Floorlayer cuts, fits and installs hardwood flooring and various types of underlayment to insure smooth, level surfaces for a finished floor; scribes, cuts, fits, layout and seams tile and sheet goods. Also is an expert at cutting, binding, sewing and installing carpet.

Program contact: Learn more

This degree program contains one or more embedded certificates which will be automatically awarded when the certificate requirements are completed. If you do not want to receive the embedded certificate(s), please notify the Office of the Registrar at RegistrarOffice@tri-c.edu.

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

Related Degrees and Certificates

- Floorlaying, Certificate of Proficiency

Program Admission Requirements

- Intent-to-hire agreement with participating contractor
- Participant must be working in an apprenticeship in conjunction with the U.S. Department of Labor, Bureau of Apprenticeship and Training.
- An apprenticeship is a full-time commitment in which the apprentices work most of the time in the industry and attend classes on regular intervals to learn new skills.

Next Steps to Apply

- Individuals interested in this program/certificate must reach out to the training center of your choice listed at the bottom of the Floorlaying program page on the Tri-C website.
- The union must select and admit you into the apprenticeship program first.
- Once accepted into the apprenticeship program, a Tri-C representative will work with you directly to enroll in the credit courses. Each of the classes will be held at your training center.

Program Learning Outcomes

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

1. Read and interpret blueprints, specifications, and finish schedule to complete the floor correctly.
2. Conduct tests to verify potential moisture and alkalinity in the floor to ensure it is ready to accept material to be installed.
3. Assess substrate for imperfections (bumps, lumps, holes, saw joints, etc.) to determine and perform required floor preparations to ensure a smooth and flat installation.
4. Inspect required materials for flaws and install properly using appropriate tools and techniques in accordance with job and layout specifications.
5. Inspect equipment to ensure safe working order and conduct all work in accordance with federal, state, and local regulations, and jobsite and contractor safety policies and procedures.
6. Verbally communicate, negotiate, and resolve jobsite issues with project manager, contractor, superintendent, architect, journeymen, and other craftsmen to plan and execute the job.
7. Work independently and in a team environment to accomplish the job in a timely and professional manner.
8. Sit for the install certification.

Suggested Semester Sequence

First Semester		**Credit Hours**
ATCT-1301	Introduction to Carpentry	2
ATFL-1450	Floorlaying Concepts [1]	2
ATFL-1600	Modular Tile [1]	2
ATFL-1610	Jute & Action Back Carpeting [1]	2
ATFL-1620	Ceramics I	2
Select one of the following:		3
ENG-1010	College Composition I	
ENG-101H	Honors College Composition I	
Select one of the following:		3
IT-1090	Computer Applications	
IT-109H	Honors Computer Applications	
	Credit Hours	**16**
Second Semester		
ATFL-1630	Wood Flooring I	2
ATFL-1640	Sheet Goods Concepts	2
ATFL-1650	Sheet Goods - Flash Coving	2
ATFL-1720	Sheet Goods - Geometric Layout and Inlay	2
ATFL-1730	Unitary Back and Enhancer Back Carpeting	2
CNST-1290	Construction Print Reading	2
Any Approved Ohio Transfer 36 Mathematics course [2]		3
	Credit Hours	**15**

Third Semester		
ATFL-1300	Residential Installation	2
ATFL-xxxx	Floorlaying Elective	2
CNST-2131	Construction Methods and Materials	3
Arts & Humanities requirement		3
Communication requirement		3
	Credit Hours	**13**
Fourth Semester		
AIT-2990	Contracting in a Diverse World	3
ATFL-2300	Ceramics II	2
ATFL-2400	Sheet Goods-Specialty Products	2
CNST-2631	Construction Management Systems	3
CNST-2990	Construction Estimating & Cost Analysis	3
Social and Behavioral Science requirement		3
	Credit Hours	**16**
	Total Credit Hours	**60**

[1] Consecutively scheduled courses.

[2] MATH-1100 Mathematical Explorations or MATH-1240 Contemporary Mathematics taken prior to Fall 2024 will be accepted to meet mathematics requirement for this program.

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.