NICOLET COLLEGE

Carpentry Apprentice

Apprenticeship Training

Construct, install, or repair structures, fixtures, and building frameworks using carpentry hand and power tools. You'll learn to build wood framing for houses, roofs, stairs, decks and sheaths, and forms for concrete and frame buildings, walls, footings, columns and stairs. The trade also involves carpentry work to install cabinets, siding, drywall rails, building cabinets and counter tops and may include work on drywall, wood flooring, metal jambs and ceilings. Become skilled in interior and exterior finish work and read blueprints, measure accurately, and calculate dimensions.

Apprentices who complete this apprenticeship have the opportunity to transfer course credits towards the Technical Studies – Journey Worker degree.

Program Outline

TERM 1

Course #	Course Title	Credits
5041054100	Carpentry Apprenticeship 1 Apprentices will be introduced to safe working practices which include the identification, use, and maintenance of commonly used hand tools, portable and stationary power tools, personal protective equipment, and ladders and scaffolding. Course topics also include basic applied math, communication skills, along with an introduction to construction drawings and print reading. Safe material handling will also be examined in this course.	2.00

TERM 2

Course #	Course Title	Credits
5041054200	Carpentry Apprenticeship 2 Apprentices will continue to further examine construction drawings along with plan specifications. The use of transits and levels, along with an introduction to building layout will be discussed. Course topics will also include the various types of building materials, fasteners, and adhesives used in residential construction. Apprentices will learn trade practices involving residential floor systems, as well as code- related topics. Various floor framing components will be examined, along with floor system layout.	2.00

TERM 3

Course #	Course Title	Credits
5041054300	Carpentry Apprenticeship 3 Apprentices will learn about wall construction techniques used in residential construction. Various wall construction methods and components will be examined during this course. The course will also discuss and explore roof systems and framing requirements involved. Various roof styles, along with trusses, rafters, ceiling joist, intersecting valleys, eaves and rakes, and other cornice details will be examined. Application of print reading skills will be utilized, along with code-related topics.	2.00

TERM 4

Course #	Course Title	Credits

Course #	Course Title	Credits
5041054400	Carpentry Apprenticeship 4 Apprentices will explore the various thermal and moisture protection materials and industry installation techniques. Insulation materials and residential waterproofing products will be identified and include discussion and best practices for job site installation. The course will also include examining and understanding building science in residential construction. The physics of air movement and interaction of people, residences, and the environment will be discussed, along with framing and air sealing details.	2.00

TERM 5

Course #	Course Title	Credits
5041054500	Carpentry Apprenticeship 5 Apprentices will explore exterior finishing systems in this course. Exterior finishing systems will include roofing, soffit and fascia, window and door installation, masonry, and exterior siding as well as other various exterior cladding systems used in residential construction. Exterior finish building materials will be examined, along with code-related topics.	2.00

TERM 6

Course #	Course Title	Credits
5041054600	Carpentry Apprenticeship 6 Apprentices will examine stair design, layout, and building. This course will provide an opportunity to identify stair components and the relationship of occupant safety based on codes and standards. Exterior deck construction will also be discussed, along with the various building materials used and industry installation techniques. Application of print reading skills will be utilized, along with code-related topics.	2.00

TERM 7

Course #	Course Title	Credits
5041054700	Carpentry Apprenticeship 7 Apprentices will examine interior finish systems. This course will cover drywall installation and finish techniques, interior door installation, window and door trim, crown molding, baseboard, and paneling installation. Acoustical ceiling basics will be explored, along with various interior flooring materials. Cabinetry and countertop installation will also be discussed.	2.00

TERM 8

Course #	Course Title	Credits
5041054800	Carpentry Apprenticeship 8 This course is intended as a final review and comprehensive assessment of the apprentices experience over the past instructional courses. This course will include a review of construction blueprint reading, applied math and communication skills, building codes, and any other topics covered throughout the program. A discussion of current or emerging industry trends will be included, as well as emerging industry equipment and technologies. Apprentices will also have the opportunity to participate in a capstone hands-on project or industry-related activities with other classmates.	1.00

Total Credits: 15.00

Talk with a Success Coach about the program outline. Together, you will determine if credits you've already earned satisfy any requirements, discuss possible alternative courses, and choose the best classes if you're thinking of transferring.

At A Glance

How You'll Learn

Program Tuition*

$2,434

*Total cost for degree completion is estimated by current course requirements, books, and supplies. Tuition and fees are set by the Wisconsin Technical College System and subject to change.

Not Eligible for Financial Aid

▸ **Potential Indirect Costs**

What You'll Learn

- Demonstrate the use of hand tools, power tools, and construction equipment safely and efficiently.
- Identify industry building materials, fasteners, and adhesives.
- Interpret technical information from blueprints.
- Identify industry building practices, material application, and building codes.
- Explain the fundamentals of building sciences including basic: physics of structures, properties and performance of building materials, construction processes, and building systems.

Your Potential Careers

- Construction Worker
- Cabinet Maker
- Floor Coverer
- Interior Systems
- Millwright
- Pile Driver

Median Annual Salary

Local	State	National
$38,083	$47,101	$43,887

EMSI 2022.1

Become An Apprentice

Learn what steps to take to become an apprentice.

GET STARTED