



Pre-Apprentice Carpentry

Summit's 100 Hard Hats Programs



Earn a Pre-Apprentice Certificate in Just 20 Weeks!

Would you like to work on projects changing the face of the Twin Cities?

Graduates of Summit have worked on projects like the Twins and Gopher stadiums, the Target Center green roof and light rail transit lines.

In just 20 weeks, you can receive a Certificate from Summit, an accredited training institution, as a Pre-Apprentice in the following specialties:

- Carpenter/Weatherization Technician
- Heavy Equipment Operator
- Plumber
- Residential Electrician
- Sheet Metal Worker
- Welder

100 Hard Hats Programs

PRE-APPRENTICE CARPENTRY/WEATHERIZATION TECHNICIAN

The Pre-Apprentice Carpentry Program is designed to provide students with job readiness skills in the construction trade through classroom and hands-on training completed in two 10-week phases: Phase I (general industry training) and Phase II (hands-on training). Training is administered by Journey-level carpentry instructors with working construction industry experience. Students will also receive a weatherization specific training certificate, preparing graduates for green-collar jobs. Upon completion of the training program, students are ready to begin a career in the residential and commercial construction industry.

GREEN ROOFING

Green roofing, offered seasonally in conjunction with the carpentry curriculum, is designed to expose participants to the job site expectations, demands and applications for commercial roofing installers. Training is delivered through a combination of classroom lecture and hands-on applications of job-specific duties. Participants will receive training from Summit Academy OIC carpentry instructors and project managers from Stock Roofing Company.

HEAVY CONSTRUCTION LABORER (Seasonal)

Students who enroll in Summit's Pre-Apprentice Carpentry program will seasonally complete the above training program in addition to receiving heavy construction laborer specific training. This training takes place in the last two weeks of the program and is taught by specialized instructors provided by one of our partners, Veit Companies.

PRE-APPRENTICE HEAVY EQUIPMENT OPERATOR (Seasonal)

The Pre-Apprentice Heavy Equipment Operator program is offered in partnership with the Operating Engineers of Local 49. During Phase I students learn the basics of commercial and residential construction. Phase II takes place at Summit and the Local 49 Training Center, where students learn site preparation and receive an introduction to select heavy equipment, which includes equipment maintenance and safety.

PRE-APPRENTICE CARPENTRY/PLUMBING (Seasonal)

The Pre-Apprentice Plumbing program is offered in partnership with Dunwoody College of Technology. Phase I takes place at Summit, learning construction basics. Phase II takes place at Dunwoody, where students learn pipe-fitting, how to install a sink and toilet, and the specific skills of the plumbing trade through hands-on projects.

PRE-APPRENTICE CARPENTRY/RESIDENTIAL ELECTRICIAN (Seasonal)

The Pre-Apprentice Electrician program is offered in partnership with Dunwoody College of Technology. Phase I takes place at Summit, learning construction basics. Phase II takes place at Dunwoody, where students will learn electrical safety, hand/power tools, print reading, basic electricity, electrical math and the specific skills of the electrical trade through hands-on projects.

PRE-APPRENTICE CARPENTRY/SHEET METAL WORKER (Seasonal)

The Pre-Apprentice Sheet Metal program is offered in partnership with Dunwoody College of Technology. Phase I takes place at Summit, learning construction basics. Phase II takes place at Dunwoody, where students will learn commercial sheet metal application, sheet metal history, fabrication of ducts, and fittings common to the HVAC industry. The course introduces students to the local sheet metal workers union to receive industry support.

PRE-APPRENTICE CARPENTRY/WELDING (Seasonal)

The Pre-Apprentice Welding program is offered in partnership with Minneapolis Community and Technical College. Phase I takes place at Summit, learning construction basics. Phase II takes place at MCTC, where students will learn functional training in construction welding, rigging, structural steel erection, architectural, ornamental and reinforcing ironworking, and construction drawing.

Phase I | Pre-Apprentice Carpentry

Required Course Schedule (first 10 weeks)

Course ID	Credits	Course Name	Course Description
MATH100	2	Carpentry Math	Learn basic addition, subtraction, multiplication, division, fractions, decimals and percentages. Understand geometry and algebra formulas for specific construction applications.
CPP101	1	Introduction to Carpentry/ Personal Safety	Overview and working knowledge of construction standards, practices, career outlook, apprenticeships and job-site safety; OSHA10 certification.
CPP100A2	2	Hand and Power Tools	Exposure to hand and power tools used in construction, including circular saws, reciprocating saws, saber saws, cordless and power drills, table saws, etc.
CPP100D	2	Blueprint Reading and Site Preparation	Overview and working knowledge of how to read and comprehend construction blueprints.
CPP100B	2	Building Materials	Become familiar with types of lumber and plywood and proper uses for each. Introduction to builder's hardware and fasteners and the application of each.
WORK100 AA	1	Basics In Working for Business Success	Learn interpersonal communication skills, office etiquette, critical thinking, goal setting, career research and problem solving. Learn resume writing and interview skills specific to the construction field.

All Phase I students also complete the following:

- *Personal Finance*, where students learn about credit building, money management via savings and checking, budgeting, file systems and business dress (appropriate to the field of work).
- *Parenthood Training* is provided by trained individuals to support men and women's understanding of the responsibilities of effective parenting while providing access to professionals in the legal and social service systems.

Training for Life!

Phase II | Specialized Training

Specialties Available (second 10 weeks)

Carpentry/Weatherization Technician

Course ID	Credits	Course Name	Course Description
CPP300	3	Framing—Wall and Floor	Learn residential and commercial framing and practices including rough and finish carpentry applications.
CPP305	3	Special Projects in Carpentry	Designed to challenge students with a higher degree of difficulty in carpentry execution.
WX100	2	Weatherization Workflow and Tactics	Learn techniques and applications used in energy conservation work. Receive weatherization technician certification.
CPP100	2	Concrete, Footing, Foundation and Flatwork	Overview and working knowledge of concrete footings, foundations and flat work specific to concrete industry requirements.

Green roofing will also be offered to students seasonally in partnership with Stock Roofing Company. Students will learn job site safety, commercial/flat roof installation, steep slope, roof maintenance and repair, as well as “green” rooftop installation.

Students who enroll seasonally will also complete the Heavy Construction Laborer course taught by Veit Companies during Phase II. Training provides Hazardous Material (HAZMAT) and OSHA Certifications to prepare students for employment in the earth work industry with courses in heavy equipment maintenance, grading and field staking, and an introduction to contracting services.

Heavy Equipment Operator

Receive functional training in grade calculation and staking, site and personal safety, equipment orientation, and operation theory for a variety of heavy equipment through Summit and the Operating Engineers of Local 49.

Electrician*

Receive functional literacy in electrical safety, hand and power tools, print reading, electricity basics, math, and hands-on projects.

Plumber*

Receive functional training in pipefitting, sink, toilet, and shower installation according to regulated industry codes.

Sheet Metal Worker*

Receive functional training in sheet metal application, sheet metal history, fabrication of ducts and fittings common to the HVAC industry.

Welder**

Receive functional training in construction welding, rigging, structural steel erection, architectural, ornamental and reinforcing ironworking, construction drawing and steel frame construction drawing.

* Training program in partnership with and takes place at Dunwoody College of Technology

** Training program in partnership with and takes place at Minneapolis Community and Technical College