

## HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS (HVAC)

## CARPENTER

### EDUCATION

Individuals can enter this occupation through a post-secondary award in Heating, Ventilation, Air Conditioning and Refrigeration (HVAC) related field.

High school diploma or equivalent required. Post-secondary award is preferred. Apprenticeship opportunities are available with the North Central States Regional Council of Carpenters that allow individuals to start as an apprentice and progress to a journeyman level.

### IMPORTANT QUALITIES

- Mechanical Skills
- Manual Dexterity
- Customer Service Skills
- Problem Solving
- Physical Flexibility
- Blueprint Reading

- Mathematical Skills
- Critical Thinking Skills
- Communication Skills
- Decision Making Skills
- Mechanical Skills
- Customer Service Skills
- Blueprint Reading

### WHAT THEY DO

Install, service or repair heating, central air conditioning, or refrigeration systems in residence or commercial establishments.

Construct, erect, install, or repair structures and fixtures made of wood, wood stairways, window and door frames, and hardwood floors. May also install cabinets, siding, drywall and batt or roll insulation. Includes brattice builders who build doors or brattices in underground passageways.

### EMPLOYMENT OPPORTUNITIES

**MEDIAN HOURLY WAGES** \$20.90 TO \$33.00

Employment of Heating, Air Conditioning, and Refrigeration Mechanics and Installers is projected to grow 10.7 percent from 2018 to 2028, about as fast as average for all occupations.

**MEDIAN HOURLY WAGES** \$20.12 TO \$33.87

Employment of Carpenters is projected to grow 7.1 percent from 2018 to 2028, about as fast as average for all occupations.

*These jobs are in demand in Southwest and South Central Minnesota and these are SW/SC Minnesota Median wages. Data collected from Department of Employment and Economic Development.*

### WORK ENVIRONMENT

Work in a variety of settings including residential homes and commercial businesses. They can also work in nuclear plants, military facilities, manufacturing and chemical plants, retail malls, hospitals and educational buildings.

Carpenters work indoors and outdoors on a variety of projects such as wood or metal framing, concrete forms, interior and exterior finishes for new construction and remodeling for residential homes, apartment buildings, industrial buildings, offices, hospitals, schools, malls, stadiums, roads and bridges. Carpentry is physically demanding.

*Most work full-time hours and overtime is common.*

