



CAREERS IN THE CONSTRUCTION TRADES

Electrical

Modern life would not be possible without electricians. If you like to know how electric currents make things work, then this is the trade for you. Qualified electricians are always in demand. With your tools and knowledge, you can go practically anywhere in the country.

Earning Potential: According to the Bureau of Labor Statistics, the national average wage for electricians is **\$55,770/year**. Employment for electricians is expected to grow 14 percent from 2014-2024. (The average growth rate for all occupations is 7 percent.)

In the electrical trade you will learn to:

- Cut, bend and install metal conduits and wiring
- Hook up electrical appliances
- Install electrical switches and lighting fixtures
- Wire door bells and fire alarms
- Repair power cords and plugs
- Use equipment for testing circuitry
- Safely handle power tools
- Ensure work is done according to relevant codes

Once you complete training, you have a variety of employment options:

- Apprenticeship program
- Electrical contractors
- Sub-contractors
- Maintenance company



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\$55,770

*Average National Wage with
14% Growth through 2024*

Carpentry

If you like working with wood and take pride in seeing something made with your own hands, then this is the trade for you. Carpenters are needed in all areas of construction and are often employed through the entire construction process. Thus, it is one of the most secure jobs within the industry. Many carpenters like to build and fix their own homes and run their own businesses in addition to working on a crew.

Earning Potential: According to the Bureau of Labor Statistics, the national average wage for carpenters is **\$48,500/year**. Roughly 1 in 3 carpenters are self-employed. Self-employed workers often work in residential construction and may be able to set their own schedule.

In the carpentry trade you will learn to:

- Frame floors, walls, ceilings and roofs
- Build concrete forms
- Apply plywood, roof paper and shingles
- Build and set cabinets and countertops
- Install doors, windows, trim and siding
- Install floor joists, rafters and trusses
- Lay wood flooring
- Operate table saws, power drills, routers, joiners, planers and nail guns

Once you complete training, you have a variety of employment options:

- Apprenticeship programs
- Home builders
- Sub-contractors
- Remodelers
- Commercial builders
- General con

\$48,500

Average National Wage



Painting

Whenever a home is built, nearly all of the interior and some of the exterior surfaces need to be painted to protect them from damage by water, mold and corrosion. Painting and maintaining painted surfaces improves the appearance and increases the value of a house. There is always great demand for experienced painters.

Earning Potential: According to the Bureau of Labor Statistics, the national average wage for painters is **\$40,570/year**. Roughly 4 in 10 painters are self-employed. Self-employed workers may be able to set their own schedule.

In the painting trade you will learn to:

- Prepare all types of surfaces – wood, drywall, plaster and masonry
- Mix colors and use a tint machine
- Apply paint, stain, clear finishes, sealants and fillers
- Sand or waterblast
- Use typical and airless spray equipment

Once you complete training, you have a variety of employment options:

- Drywall contractors
- Painting contractors
- Sub-contractors
- Residential contractors



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\$40,570
Average National Wage



Masonry

Laying brick is one of the oldest and most respected trades in the construction industry. Masonry construction uses brick, stone, marble, granite, travertine, limestone, cast stone, concrete block, glass block, stucco, and tile. Qualified cement masons are always in demand to place foundations, patios, sidewalks and curbs.

Earning Potential: According to the Bureau of Labor Statistics, the national average wage for masons is **\$53,490/year**. Employment for masonry is expected to grow 15 percent from 2014-2024. (The average growth rate for all occupations is 7 percent.)

In the masonry trade you will learn to:

- Mix mortar and lay brick
- Lay out building lines and grades
- Lay floors and stairs
- Mix and place concrete
- Create different textures
- Apply various finishes to concrete

Once you complete training, you have a variety of employment options:

- Apprenticeship programs
- Masonry contractors
- Sub-contractors
- General contractors



\$53,490

*Average National Wage with
15% Growth through 2024*

HVACR (Heating, Ventilation, Air Conditioning and Refrigeration Mechanics and Installers)

Install or repair heating, ventilation, and central air conditioning or refrigeration systems, including oil burners, hot-air furnaces and heating stoves. Use your knowledge of green technology to ensure safe and healthy building conditions in homes, hospitals, schools and office building. Consumers are replacing older, less efficient systems with new green models increasing the demand HVAC technicians.

Earning Potential: According to the Bureau of Labor Statistics, the national average wage for HVACR technicians is **\$47,230/year**. Employment for HVACR is expected to grow 14 percent now through 2024. (The average growth rate for all occupations is 7 percent.)

In the HVACR trade you will learn:

- How to maintain, repair and diagnose equipment related to HVACR technology
- Energy auditing Green alternatives
- Air conditioning design and layout
- Refrigerant systems
- System charging and system evacuation
- Water treatment
- Boiler operation and safety

Once you complete training, you have a variety of employment options:

- Commercial service technician
- Heating system installer
- Heating, Air conditioning and plumbing contractors
- HVACR mechanic
- Maintain and repair climate control for businesses, schools and hospitals



\$47,230

*Average National Wage with
14% Growth through 2024*



Plumbing

Nearly all areas of construction rely on plumbers

If you enjoy working with your hands and using your brain, then this is the trade for you. As long as there are drainage and water systems, there will be a need for reliable plumbers. Plumbers install, repair, and maintain pipes in residential, commercial and/or industrial buildings. Their job includes welding and connecting pipes, opening walls and floors to reach or install pipes, and testing pipes for leaks.

Earning Potential: According to the Bureau of Labor Statistics, the national average wage for plumbers is **\$56,140/year**. Employment for plumbing is expected to grow 12 percent from 2014-2024. (The average growth rate for all occupations is 7 percent.)

In the plumbing trade you will learn to:

- Identify hand and power tools
- Cut and install pipes and fittings
- Install fixtures and hot water heaters
- Test water lines for leaks
- Make underground pipe connections
- Install sprinkler systems
- Weld properly

Once you complete training, you have a variety of employment options:

- Plumbing contractors
- Remodelers
- High-rise and apartment complexes
- Sub-contractors

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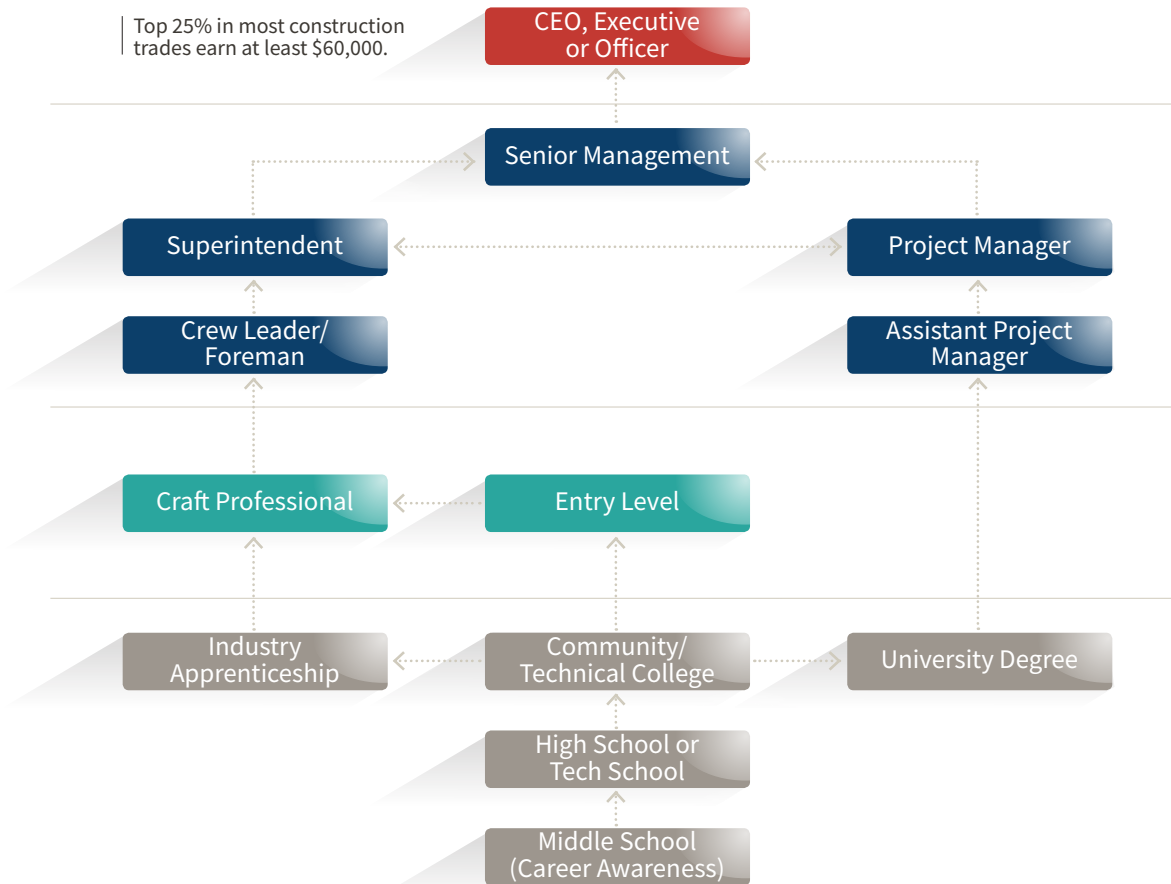


\$56,140

*Average National Wage with
12% Growth through 2024*

Construction Careers Ladder

Top 25% in most construction trades earn at least \$60,000.



Find your home with a career in the home building industry and earn a great salary.



ABOUT THE HOME BUILDERS ASSOCIATION OF THE SIOUX EMPIRE

The association represents the collective interests of the home building industry by offering members a competitive advantage through exclusive opportunities and services that allows them to responsibly meet the housing needs of our community.

The association is concerned with maintaining and expanding the skill trades. Ensuring a consistent, reliable influx of new workers is important in a growing industry.

FOR MORE INFORMATION:

6904 S Lyncrest Place
Sioux Falls, SD 57108

Phone (605) 361-8322
Email info@hbasiouxempire.com

www.hbasiouxempire.com