

Construction Trades:

Occupations in Field	Projected Income (Annual Mean Wage)	Education Required	Licensing/Credentials Required (by State)
<b>Carpenter</b>	43,890	Diploma + Apprenticeship program	Apprenticeship programs can be found via the <a href="#">United Brotherhood of Carpenters and Joiners of America</a> , the <a href="#">National Association of Home Builders</a> , and the <a href="#">Associated General Contractors Incorporated</a> .
<b>Cement Mason or Concrete Finisher</b>	39,290	On the Job Training or Apprenticeship programs	Apprenticeships can be found via the local Cement Mason Union. Local Unions can be identified through the <a href="#">Operative Plasterers' and Cement Masons' International Association</a> .
<b>Construction Laborers</b>	33,590	On the Job Training or Apprenticeship programs.	Apprenticeships can be located via the Department of Labor's Registered Apprenticeship Program, <a href="#">Pathways to Success</a> .
<b>Construction Equipment Operator</b>	44,830	On the Job Training or Apprenticeship programs.	Apprenticeship programs are available via the <a href="#">International Union of Operating Engineers</a> .
<b>Cost Estimator</b>	62,060	On the Job Training, Bachelors Degrees increasingly preferred (Majors: construction management, construction science, building science)	Voluntary certification is available via the <a href="#">American Society of Professional Estimators (ASPE)</a> , <a href="#">AACE International</a> , & <a href="#">Society of Cost Estimating and Analysis (SCEA)</a> and may be required by individual employers
<b>Electrician</b>	51,810	Completion of an Apprenticeship program. Programs can generally be located via local unions of <a href="#">the International Brotherhood of Electrical Workers</a> and local chapters of <a href="#">the National Electrical Contractors Association</a> ; individual electrical contracting companies;	<a href="#">Most States and localities require electricians to be licensed</a> . Although licensing requirements vary from State to State, electricians usually must pass an examination that tests their knowledge of electrical theory, the National Electrical Code, and local and State electric and building codes.

		or local chapters of <a href="#">the Associated Builders and Contractors</a> and <a href="#">the Independent Electrical Contractors Association</a> .	
<b>Engineer (Civil, Electrical, etc)</b>	Civil – 82,280 Electrical – 87,770	Bachelors Degree	All 50 States and the District of Columbia require licensure for engineers who offer their services directly to the public. Engineers who are licensed are called professional engineers (PEs). This licensure generally requires a degree from an ABET-accredited engineering program, 4 years of relevant work experience, and completion of a State examination.
<b>Environmental Scientist &amp; Specialist</b>	67,810	Bachelors Degree; Masters Degree may be preferred by some employers	No certification or licensure requirements.
<b>Home Inspector</b>	54,320	Associates Degree or Certificate generally desired.	Certification/Licensure required by most states. Requirements include a minimum level of education, having a set amount of experience with inspections, purchasing liability insurance of a certain amount, and the passing of an examination. Renewal is usually every few years and annual continuing education is almost always required.
<b>Installer (carpets, flooring, etc)</b>	39,490 – 41,830	On the Job Training or Apprenticeship program.	No certification or licensure requirements.
<b>Interior Design &amp; Home Staging</b>	52,100	Minimum of a 2 yr program or associates degree to be recognized as an design assistant.	Several states register or license interior designers. The National Council for Interior Design Qualification administers the licensing exam for interior design qualification. To be eligible to take the exam, applicants must have at least 6 years of combined education and experience in interior design, of which at least 2 years must be postsecondary education.

<b>Painter</b>	37,610	On the Job Training, Apprenticeship, or vocational program.	Licensure not required. Certification s are available to enhance skills.
<b>Pipefitter, Plumber, or Steamfitter</b>	50,360	Apprenticeship program generally offered via <a href="#">the United Association of Journeymen and Apprentices of the Plumbing and Pipefitting Industry of the United States and Canada</a> ; local employers of either <a href="#">the Mechanical Contractors Association of America</a> or <a href="#">the National Association of Plumbing-Heating-Cooling Contractors</a> ; <a href="#">the Associated Builders and Contractors</a> ; or <a href="#">the Home Builders Institute of the National Association of Home Builders</a> .	Most states require plumbers to be licensed. Licensing requirements vary, but most localities require workers to have 2 to 5 years of experience and to pass an examination that tests their knowledge of the trade and of local plumbing codes before they are permitted to work independently. Several States require a special license to work on gas lines. A few States require pipefitters to be licensed. Licenses usually require a test, experience, or both.
<b>Roofer</b>	37,880	On the Job Training or Apprenticeship program administered by local union-management committees representing roofing contractors and locals of <a href="#">the United Union of Roofers, Waterproofers, and Allied Workers</a> .	No licensure or certification requirements.
<b>Sheet Metal Worker</b>	45,710	On the Job Training or Apprenticeship program administered by local joint committees composed of <a href="#">the Sheet Metal Workers' International Association</a> and local chapters of <a href="#">the Sheet Metal and Air-Conditioning Contractors National Association</a> .	Voluntary certifications in the various specialties are offered by several organizations including those sponsoring apprenticeships.
<b>Welder, Soldering , and Brazing workers</b>	37,370	Formal training via a vocational/ technical school or community	Certified workers are preferred. For certification course in welding individuals

		college is generally preferred.	should check with <a href="#">the American Welding Society</a> ; in soldering <a href="#">the Institute for Printed Circuits</a> .
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