



CONSTRUCTION Toolkit

THE TOP FIVE **UTAH** INDUSTRIES THAT OFFER HIGH DEMAND, HIGH WAGE JOBS ARE:

- CONSTRUCTION
- ENGINEERING
- HEALTH CARE
- INFORMATION TECHNOLOGY & COMPUTER SCIENCE
- MANUFACTURING

INFORMATION AND VIDEOS ARE INCLUDED IN THIS TOOLKIT FOR THE **CONSTRUCTION INDUSTRY**

CONSTRUCTION Fast Facts:

- ▶ Construction is one of the largest, fastest growing and highest paying Job Industries in Utah and throughout the country.
- ▶ One million skilled construction craft professional will be needed by 2020.
- ▶ Current worker shortages are being reported in nearly all trades.
- ▶ Construction wages range from \$45,000–\$85,000 per year.
- ▶ Craft Professionals make \$9835 more a year, on average, than recent college grads.
- ▶ Benefits include health insurance, retirement programs, and additional training.



Atlanta High-Rise Time-Lapse Video

This construction site was monitored by an OxBlue construction camera. High resolution images were taken from the camera to professionally produce this time-lapse video.



Education in CONSTRUCTION

- ▶ Construction workers can “earn while they learn” through apprenticeship programs or on-the-job training.
- ▶ Certified or credentialed journeyman status can be achieved in one year for some trades and up to six years for others with little or no debt.
- ▶ Construction workers can begin at an entry-level position and climb the corporate ladder. With stackable education credentials from a high school diploma, to a one year certificate, to an applied associates degree at a technical college, to a Bachelor's degree, a career in construction can take you all the way to CEO. <http://www.byf.org/explore-careers/career-path/>
- ▶ Scholarships for students interested in construction careers: <http://www.byf.org/get-involved/scholarships/>



Careers in Construction

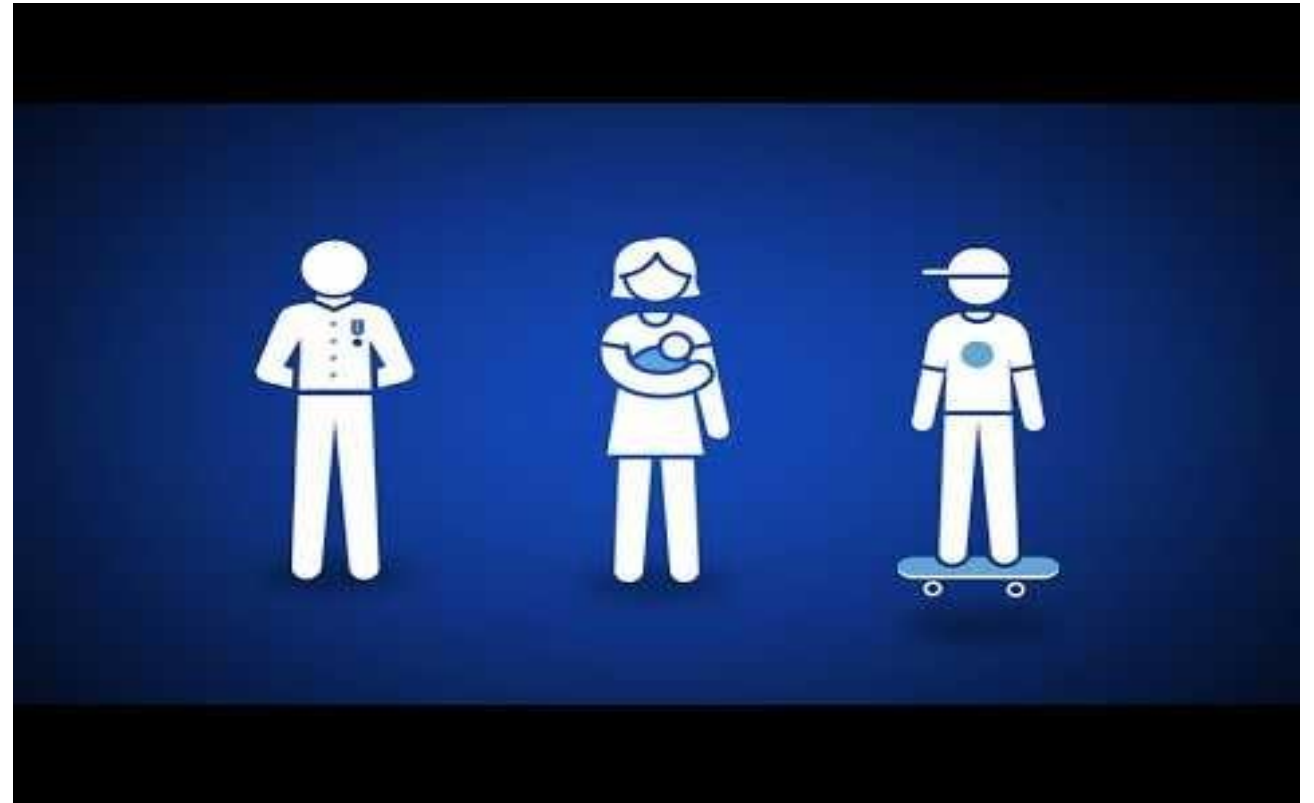
- ▶ Construction work involves planning, design, construction, activation, operations, maintenance, salvaging, and recycling.
- ▶ Construction work may include new work, additions, alterations, or maintenance and repairs.
- ▶ Iron workers put up the steel frame on high rise buildings and masonry workers use bricks, concrete blocks, concrete, and natural and man made stones to build walls, walkways, fences, and other masonry structures.
- ▶ There are also carpenters, pipefitters, heavy equipment operators, electricians, welders, sheet metal workers craft laborers & more
- ▶ Check out this map that shows the different construction crafts out there with the most demand by state.



<http://www.byf.org/explore-careers/craft-labor-map/>

How to Start a Career in Construction

Did you know that over the next four years, over 1.5 million skilled craft professionals will be needed? Find out more about the growing demand for workers in the construction industry and the career it can offer to anyone looking for a promising future. There is something for everyone in the construction industry. How will you build your future?



The General Contractor



- ▶ A general contractor supervises construction, improvement, or renovation projects. It is their job to hire out all the work that will need to be done for the project.
- ▶ Many General Contractors may have multiple projects at any given time. Often certain tasks are subcontracted out to other construction companies that are specialists in a particular skill such as plumbing or electrical.
- ▶ General contractors bid on four major types of jobs:
 - ▶ Federal/ Heavy Construction: building construction for agencies such as the General Services Administration, Military construction projects for the Department of Defense, and water resources projects that benefit our nation's navigation and flood control.
 - ▶ Highway Construction: Federal highways, transit infrastructure, airport runways, and state, city, and county roads. Transportation infrastructure plays a critical part in supporting the nation's economy and the construction industry plays a key role in building, maintaining, and improving the systems.
 - ▶ Building Construction: Architecture, engineering, and construction firms work together to build high rise buildings, stadiums, dams, etc. Contractors are committed to promoting "green" construction practices while creating buildings that will withstand earthquakes, and hurricanes.
 - ▶ Utility Construction: Water and wastewater facilities & pipelines, energy generation & transmission, telecommunications infrastructure, underground utility work, excavation, tunneling, boring and site preparation. Working with local government partners to keeping drinking water and wastewater infrastructure safe and affordable. Create pollutant discharge elimination systems.
- ▶ Staying on top of environmental and green issues is important for every construction firm, whether they perform highway, building, or utility projects. (Source: <https://www.agc.org>)

The **BUILD YOUR FUTURE** website

- ▶ Explore construction careers at the BUILD YOUR FUTURE website:

<http://www.byf.org/>

- ▶ Build Your Future aims to be the catalyst for recruiting the next generation of craft professionals. They provide a collaborative grassroots approach to construction workforce forecasting and development that includes recruitment, training, placement, retention and image enhancement strategies.





UTAHMAJORS.ORG

Click the link above to be taken to a website where you can research a college major in **Construction!**

Use UtahFutures.org to explore
EDUCATION & CAREER options in
CONSTRUCTION

- ✓ Find information about the program of study that interests you.

[Choosing a Program of Study](#)

- ✓ Connect your program of study to schools that provide education and training (e.g. majors and minors).

[Degree Finder - Programs of Study Search](#)

- ✓ Connect your program of study to careers!

[Occupations Search](#)

Exploring CAREERS in CONSTRUCTION



**Utah Department of Workforce Services
Website:**

[Utah Occupational Explorer Tool](#)

This tool can be used to easily explore, filter, and compare occupations in Utah and then view a detailed profile and list of current job openings for each one. There are 4 primary dimensions upon which occupations can be compared – demand, wages, growth, and education.



**United States Department of Labor –
Bureau of Labor Statistics Website:**

[Career Outlook Information](#)

Provides data on wages, projected job openings, and education and training required for the different career fields found in the United States.