

INDUSTRIAL CONSTRUCTION

Construction covers a wide range of career opportunities, each with its own knowledge, skill, and ability requirements. The credentials earned will open the door to virtually any form of construction, manufacturing, or maintenance field.

If you're a tactile or visual learner, this is the industry for you!

Source: The Shaw Group Inc. | Starting salary will vary based on the employer.

SEVERAL HOT JOBS INCLUDE:

LABORER is the primary entry-level job. This position requires no prior background. This is considered a craft position. Some general duties include rigging along with moving and shoveling dirt. The laborers are helpers in all craft areas such as millwright, pipefitter, etc. A laborer can also move to a specific craft such as machine operator. ***Requires a High School diploma or GED.***

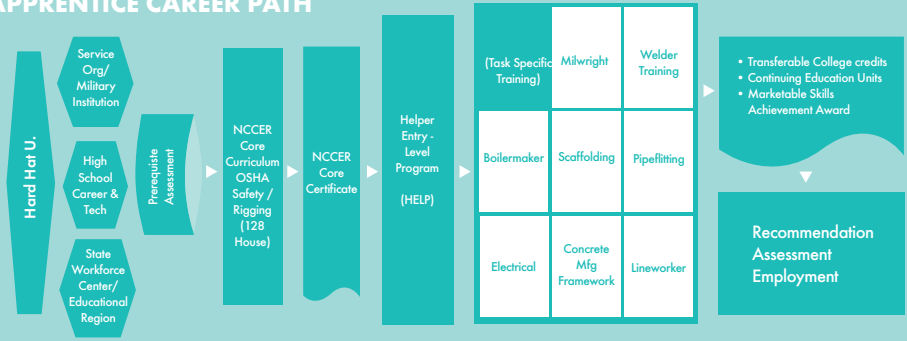
WELDERS use hand-welding or flame-cutting equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products. They monitor the fitting, burning, and welding processes to avoid overheating of parts or warping, shrinking, distortion, or expansion of material. ***Requires a High School diploma or GED.***

PIPELAYERS following the directions of others or written instructions lay out pipe routes. This includes cutting pipes to the required size and positioning pipes to prepare them for welding or sealing. Pipelayers then connect pipe pieces and joints using welding equipment, cement or glue. ***Requires a High School Diploma or GED.***

APPRENTICE ELECTRICIANS (entry-level) test electrical systems and make sure circuits in electrical wiring and other equipment are in working order, making repairs, as necessary. They also plan the layout and installation of electrical wiring, equipment and fixtures, based on job specifications and codes. ***Requires a High school diploma or GED. Enrolled in an apprenticeship training program.***

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APPRENTICE CAREER PATH



INDUSTRIAL CONSTRUCTION

ADDITIONAL REQUIREMENTS

Nuclear Regulatory Commission (NRC) Requirements for Fit For Duty (FFD) Include:

- Alcohol Free
- Drug Free
- Criminal Background Check
- Citizenship
- Security Background Check
- Be Able to Read and Speak English

BENEFITS

- Per diems, based on # of miles worked away from home Tools provided
- PPE equipment provided
- Company vehicles (certain positions)
- Communication equipment
- Computers (certain positions)
- OTJT
- Overtime (1.5 or higher)
- Certifications - portable

POTENTIAL REWARDS

- Pride of accomplishment (can see what you've completed)
- Work outdoors – fresh air, exercise, experience the elements (all four seasons)
- Freedom – not tied to a desk, ability to move around, get body moving
- Feel good – working up a sweat
- Variety of daily tasks – not tied to production, everything brings something new, demanding
- Constantly learning – new techniques (e.g. precision)
- Travel – can see various parts of the country/world
- Always working on state of the art projects – the front edge of societal revolution – latest techniques (tools)

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Building Georgia's Future Energy and Industrial Construction Workforce

For more information visit: www.getintoenergyga.org

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NUCLEAR | GREEN TECHNOLOGY

Think Green! Think Nuclear! A career in nuclear energy is a great career choice if you're looking for an opportunity to protect the environment. Individuals can enter this exciting field as craft workers, technicians or engineers. If you like solving problems and "fixing" things, working at a nuclear power plant is a great fit!

Source of Job Summaries: Nuclear Energy Institute.

SEVERAL COOL JOBS INCLUDE:

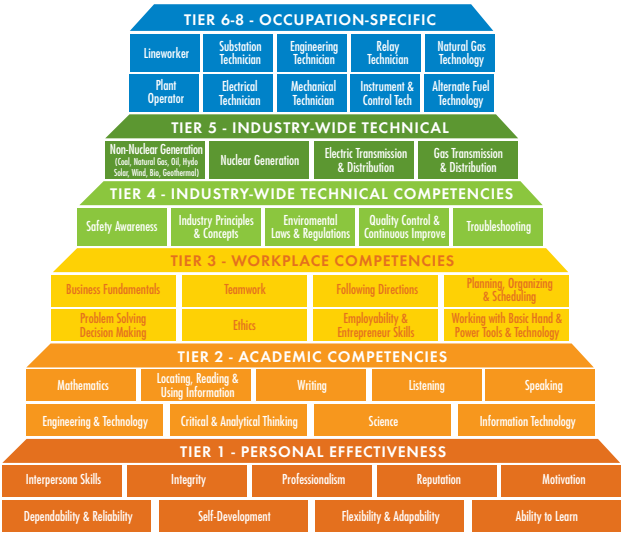
ENTRY-LEVEL ENGINEER has a wide range of responsibilities. Duties focus on ensuring that the plant and plant components are performing at optimum levels. Those duties may include troubleshooting, monitoring and assessing equipment or plant components. Must be flexible, analytical, and a good team player. *Requires a Bachelor of Science degree in engineering or equivalent. EIT is preferred.*

MECHANICAL TECHNICIAN is responsible for the performing maintenance within the plant. Such duties include troubleshooting, inspecting and rework on valves, pumps and related equipment. In addition, individuals should be able to operate power tools and the ability to enter data into a computer. *Requires a High School diploma or GED and some relevant work experience.*

ELECTRICAL TECHNICIAN maintains and repairs highly complex electrical/electronic equipment within the plant. Individuals must be able to install, inspect, troubleshoot and test electrical equipment such as motors, generators, controllers, transformers, switchgear and circuit breakers and batteries. *Requires a High School diploma or GED and some relevant work experience.*

Radiation Protection Technician measures and records radiation levels. These individuals also service and calibrate radiation protection instruments and equipment. They play a vital role in ensuring the safety of employees working in radiation areas along with the facility's compliance with radiation requirements. *Requires a High School diploma or GED and two years of experience plus successful completion of required training and examinations.*

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NUCLEAR | GREEN TECHNOLOGY

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- Security Background Check
- Be Able to Read and Speak English

BENEFITS

- Paid holidays
- Benefits
- Flexible work schedule (certain companies)
- Company vehicles (certain positions)
- On the job training and tuition reimbursement
- Overtime (certain positions)

POTENTIAL REWARDS

- Pride of accomplishment (helping to keep the lights on in Georgia!)
- Variety of Career Options – Engineering, Technician, Administrative
- Environmental Stewardship
- Connecting with your community
- Stable industry

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ENERGY

Want to be a part of an industry that electrifies a town, city, state, country, and even the world? Then you'll want to consider a career in the electric utility industry. The opportunities vary based on what type of career you choose. Whether you choose to be an engineer, technician, environmentalist, accountant or marketer, make the electric utility industry your first choice.

Source of Job Summaries: Nuclear Energy Institute.

SEVERAL HOT JOBS INCLUDE:

LINEWORKER assist with construction and maintenance activities associated with overhead and underground power distribution systems, including operating all equipment. This position works outdoors year round.
Requires a High School diploma or GED

ELECTRICAL/POWER ENGINEERS assures that electric energy is generated and delivered reliably and efficiently while seeking ways to have the least impact on the environment. They use their excellent math, computer and problem solving skills to seek new technologies to address the world's energy challenges such as the Smart Grid. Engineers are creative thinkers who turn ideas into reality!
Requires a Bachelor's of Science degree in engineering or the equivalent.

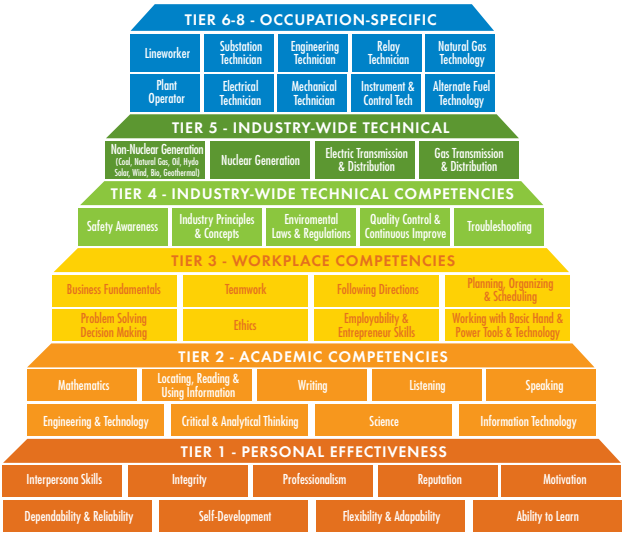
CUSTOMER SUPPORT REPRESENTATIVES confer with customers by telephone or in person to provide information about products and services, to take orders or cancel accounts, or to obtain details of complaints. They also keep records of customer interactions and transactions, recording details of inquiries, complaints, and comments, as well as actions taken.
Requires a High School diploma or GED

APPRENTICE ELECTRICIANS is an entry-level job. Electricians test electrical systems and make sure circuits in electrical wiring and other equipment are in working order, making repairs, as necessary. They also plan the layout and installation of electrical wiring, equipment and fixtures, based on job specifications and codes.
Requires a High School diploma or GEC. Enrollment in an apprenticeship training program.

ENVIRONMENTAL SPECIALISTS are responsible for understanding and overseeing the environmental and regulatory activities (like the Environmental Protection Agency) with a utility's transmission projects. This includes getting the required permits and ensuring the company gets approval from local, state and national regulatory agencies.
Requires a Bachelor's degree.

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ELECTRIC | NATURAL GAS | NUCLEAR | GREEN TECHNOLOGY | INDUSTRIAL CONSTRUCTION



ENERGY

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- Flexible work schedule (certain companies)
- Company vehicles (certain positions)
- On the job training and tuition reimbursement
- Overtime (certain positions)

POTENTIAL REWARDS

- Pride of accomplishment (helping to keep the lights on in Georgia!)
- Variety of Career Options – Engineering, Technician, Administrative, Environmental
- Environmental Stewardship
- Connecting with your community
- Potential to explore new energy sources (e.g. solar, green)
- Stable industry – electric power has been around for over a century

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NATURAL GAS

It can be 20 degrees outside, but we're keeping you safe and warm inside. Who are we? We're your natural gas energy provider. Natural gas is one of the cleanest energy sources available and our industry offers a variety of non-skilled and technical, along with administrative and engineering opportunities.

Source of Job Summaries: Nuclear Energy Institute.

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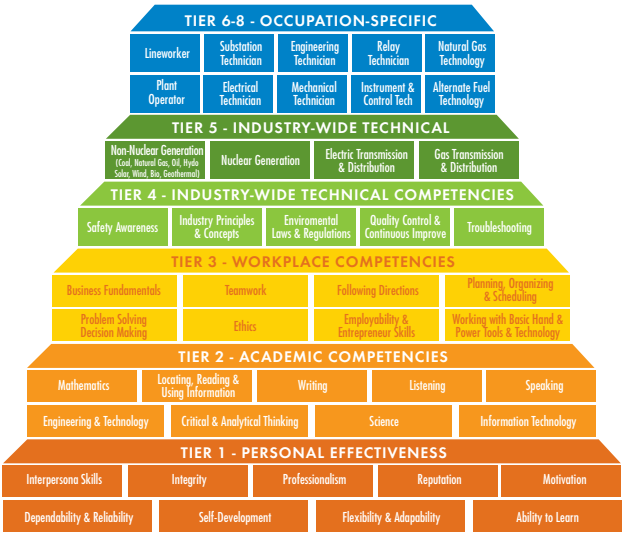
LOCATOR responsible for locating gas lines to ensure there is no harm to the public or property. Individuals performing this task will work with the locator equipment and must be able to read and interpret maps if the gas line is difficult to locate. This position works outdoors.
Requires a High School diploma or GED

GAS TECHNICIAN performs annual leak survey of gas lines. Specifically, this function detects, locates and evaluates gas leaks. In addition, may be responsible light manual labor. This position works outdoors.
Requires a High School diploma or GED

SERVICE DISPATCHER responsible for dispatching calls to technicians via telephone, two-way radio, or in person. This position requires a high level of detail and recordkeeping skills. This individual must have strong communication skills.
Requires a High School diploma or GED. Some prior experience may be required.

ENGINEERING TECHNICIAN prepares construction drawings, permit applications, easements drawings using customer requirements and guidelines to facilitate construction.
Requires an Associate's or Bachelor's degree depending on employer.

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NATURAL GAS

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