PATHWAYS into energy

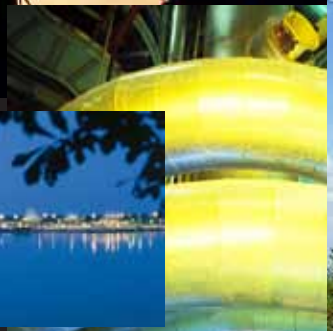
Be A Part in Building Georgia's Future Energy and Industrial Construction Workforce

get into energy GEORGIA

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



















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I AM ENERGY

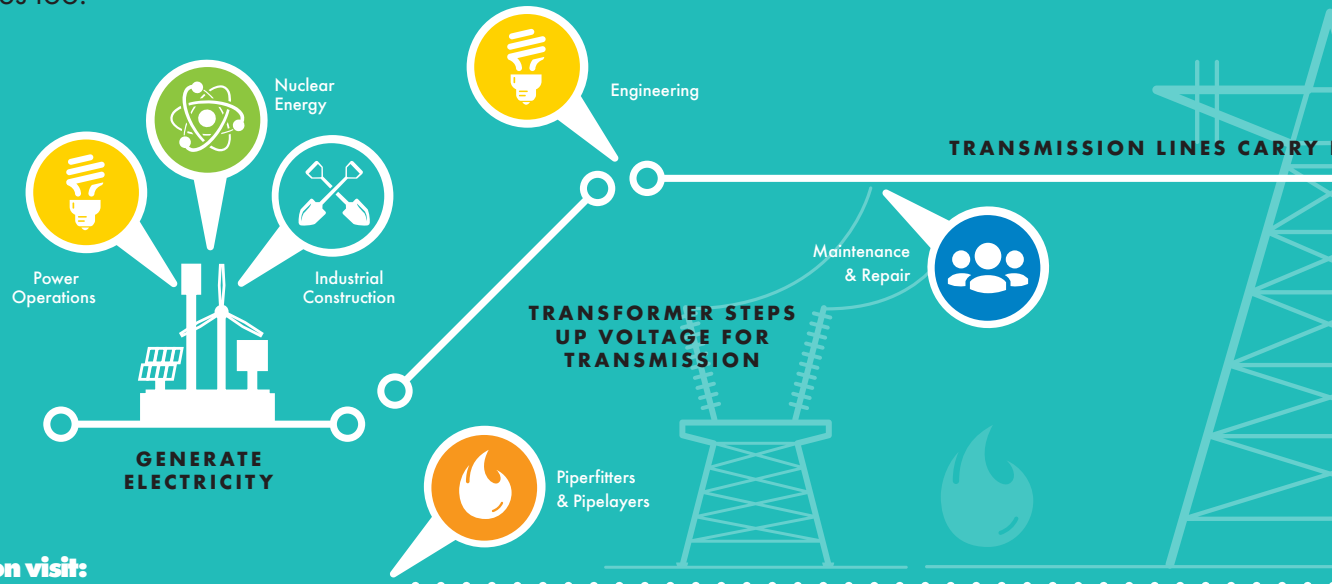
A CATALYST TO POWER BRAINPOWER, SKILL-POWER, HUMAN-POWER

I AM THE EPITOME OF A SUPERPOWER

If this statement sounds familiar to you then you're reading the right information. You're probably a very talented and skilled individual that likes to use your brain as well as your hands to solve problems. You're definitely one who strives to make your community a better place to live for those around you. Perhaps you're at a point in your life where decisions you make are important. You're not just looking for a job. You're looking for a career path. And not one that is easy, or boring, but one that challenges your superpower every day. That's your nature. And frankly, that's **COOL**, or **HOT**. Either way you look at it, that's your Energy.

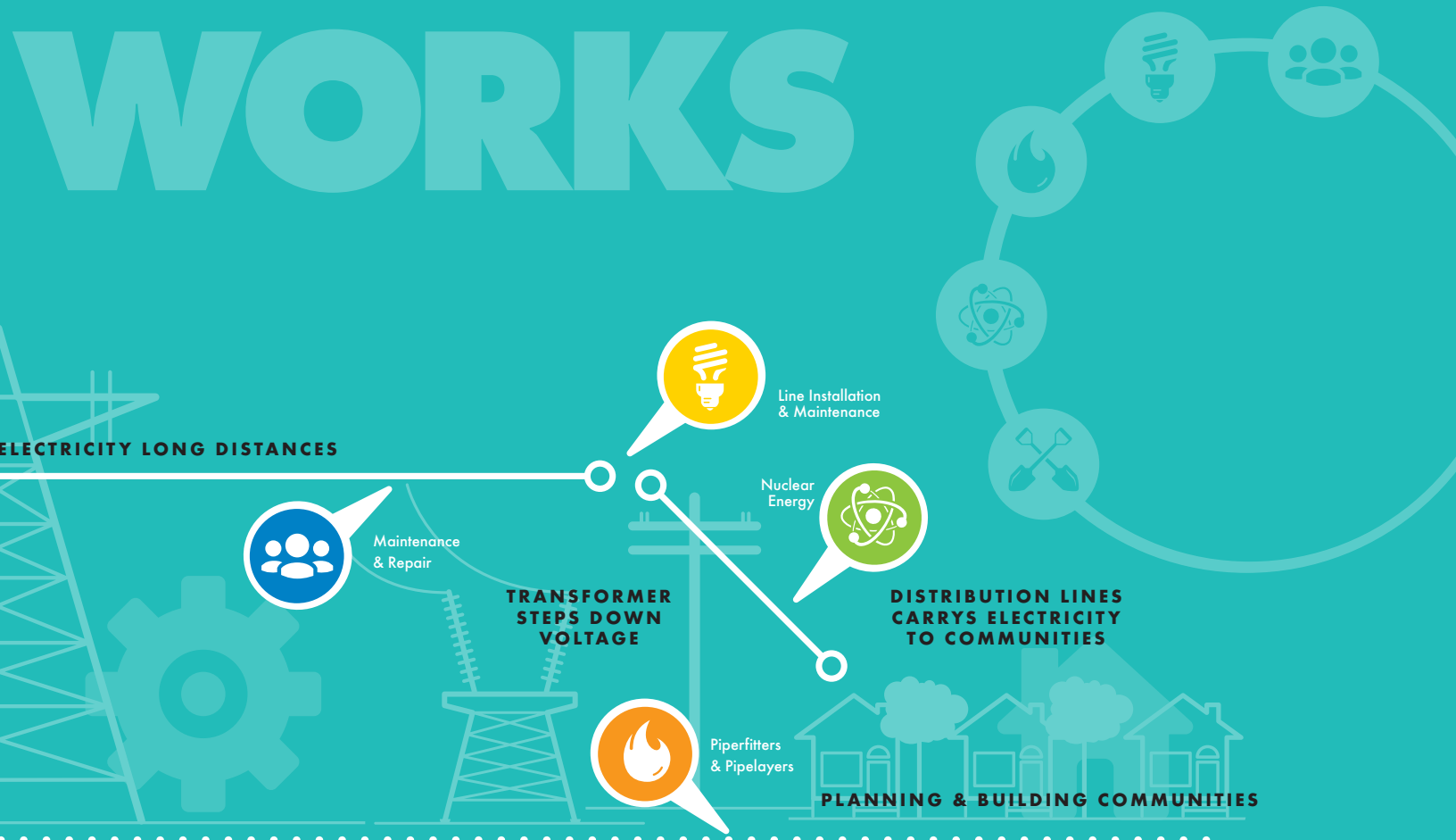
HOW ENERGY

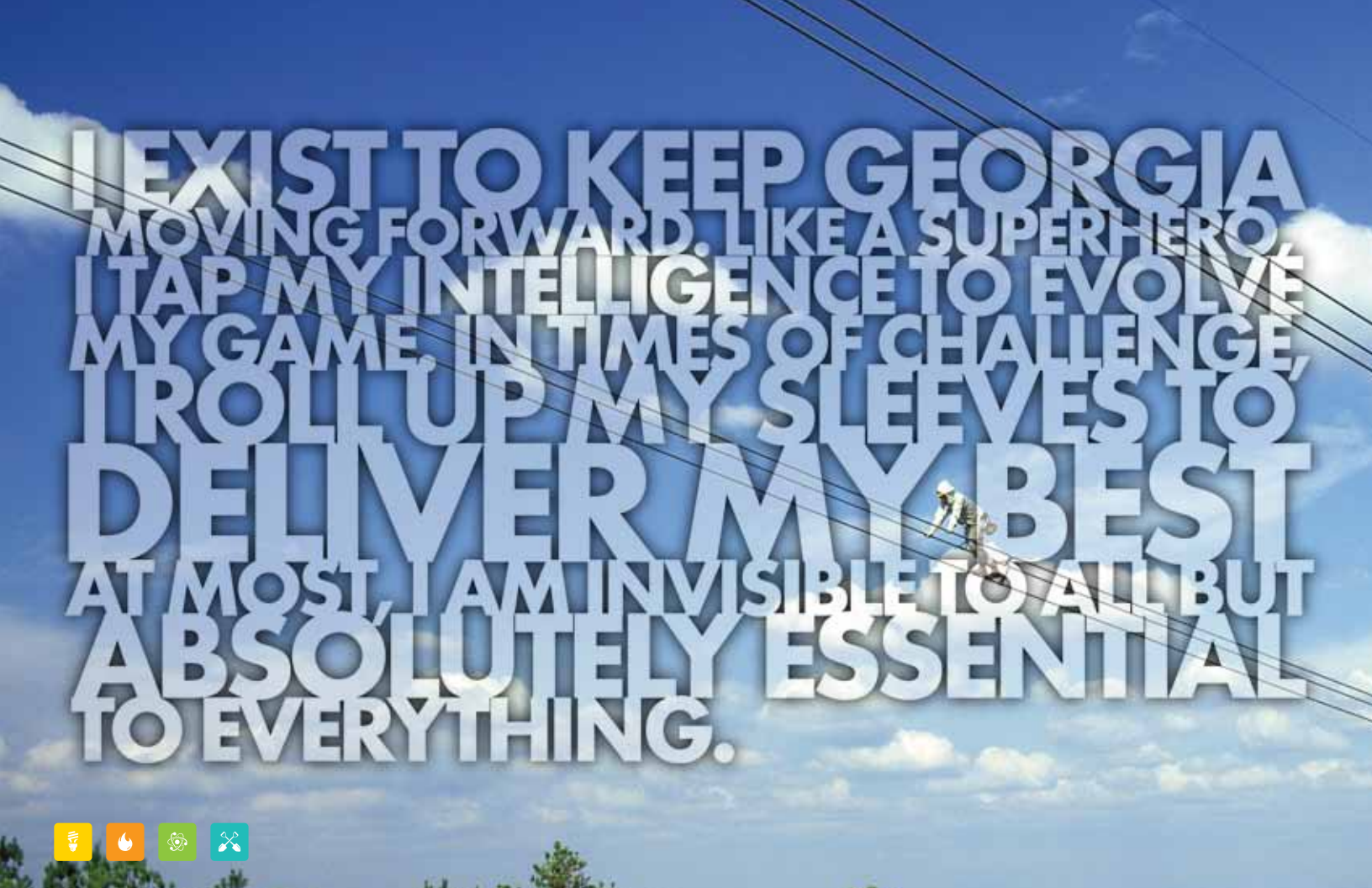
So you found your calling but now you're wondering what exactly is Energy. Or really, what exactly are your career options in Energy. Well that's easily illustrated with this diagram. It shows the entire process from the power plant to the front door and along the way we've identified some HOT career opportunities and some pretty **COOL** ones too.



For more information visit:
www.getintoenergyga.org

WORKS


ELECTRICITY LONG DISTANCES
Maintenance & Repair
TRANSFORMER STEPS DOWN VOLTAGE
Line Installation & Maintenance
Nuclear Energy
DISTRIBUTION LINES CARRYS ELECTRICITY TO COMMUNITIES
Piperfitters & Pipelayers
PLANNING & BUILDING COMMUNITIES


I EXIST TO KEEP GEORGIA
MOVING FORWARD. LIKE A SUPERHERO,
I TAP MY INTELLIGENCE TO EVOLVE
MY GAME. IN TIMES OF CHALLENGE,
I ROLL UP MY SLEEVES TO
DELIVER MY BEST
AT MOST, I AM INVISIBLE TO ALL BUT
ABSOLUTELY ESSENTIAL
TO EVERYTHING.

HOT CAREERS IN ENERGY

LINEWORKERS assist with construction and maintenance activities associated with overhead and underground power distribution systems, including operating all equipment. This position works outdoors year round, in all types of weather and requires climbing tall concrete, steel, and wood structures.

Entry level salary starting at: **$33k** or **$16 - $18/hr**
Education Required: High school diploma or GED. Georgia offers postsecondary lineworker certificate programs
If You Like: working outdoors, troubleshooting, helping the community

ELECTRICAL/POWER ENGINEERS assure 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!

Entry level salary starting at: **$52k** or **$25 - $27/hr**
Education Required: Bachelor of Science degree in engineering or the equivalent
If You Like: discovering how things work, building things from scratch, problem solving

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.

Entry level salary starting at: **$25k** or **$12 - $14/hr**
Education Required: High School Diploma or GED.
If You Like: working outdoors, being hands on, working with heavy equipment

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. ***Education Required: High school diploma or GED. Enrolled in an apprenticeship training program.***

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.

COOL CAREERS IN ENERGY & INDUSTRIAL CON

GENERATION SYSTEM OPERATORS constantly matches power produced at the electric plants or purchased on the market to the load needed by the public, business and industry, while making sure all transmission systems are working at their best.

Entry level salary starting at: **$30k** or **$14 - $16/hr**
Education Required: High School Diploma or GED with two years of electric utility industry experience
If You Like: problem solving, teamwork, keeping equipment in top condition

TRANSMISSION SYSTEM OPERATORS monitor high voltage electric energy flow and respond to electric system outages or problems to ensure all customers are served with reliable electric power. When severe weather strikes, they are critical in keeping power flowing to customers by routing power around trouble spots. ***Education Required: High school Diploma or GED and two years of electric utility industry experience.***

DRAFTING TECHNICIANS are supervised by an Electrical Drafter and help to draft working drawings, wiring diagrams, wiring connection specifications or cross-sections of underground cables. They draw master sketches to scale. They also consider factors that impact the arrangement of equipment. ***Education Required: High school diploma or GED.***

FLEET MECHANICS perform routine maintenance repairs, light fabrication, preventive maintenance inspections, trouble-shooting and systematic problem detecting of systems (i.e. hydraulic, electronic, mechanical, A/C). Also, mechanics operate and drive heavy trucks and specialized equipment. ***Education Required: High school diploma or GED.***

ADMINISTRATIVE SUPPORT STAFF provide assistance to a variety of energy company employees with tasks such as preparing memos and documents, proofreading, using databases, and making contact with other staff members or customers. Administrative Support Staff may also plan meetings and events by ordering food, preparing the agenda and materials, setting up the room, and sending out invitations. ***Education Required: High school diploma or GED.***

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. ***Education Required: High school diploma or GED.***

All salary ranges based on a national average according to Department of Labor and will vary depending on industry and georgraphic location.

NSTRUCTION

NUCLEAR TECHNICIANS provide a variety of support functions at the nuclear plant. In many instances these are entry-level jobs that give new employees an opportunity to gain valuable experience at a nuclear plant before moving into nuclear operations or maintenance.

Entry level salary starting at: **$70k**
Education Required: High school diploma or GED. Some employers may require an Associate's degree
If You Like: teamwork, being detail oriented, specialized technologies

NUCLEAR CHEMISTRY/HEALTH PHYSICS TECHNICIANS are responsible for radiation protection at the nuclear reactor site. A Health Physics Technician must be ready to respond quickly and with expertise in the unlikely event of a radiation accident. The ability to handle stressful situations is essential. ***Education Required: Associate's degree and certification as a Health Physics Technician from the National Registry of Radiation Protection Technologists.***

ENVIRONMENTAL SPECIALISTS are responsible for understanding and overseeing the environmental m 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. ***Education Required: Bachelor's degree.***

DESIGN TECHNICIANS help to design electrical systems to meet specific customers needs. This can include work on major electrical construction projects. Design Technicians need to be able to communicate technical details to non-technical people. ***Education Required: High school diploma or GED.***

CONSTRUCTION TECHNICIANS set up service for customer–installing, connecting, testing, and adjusting equipment. They can string line from pole to pole or they can lay underground cables. Construction Technicians also measure signal strength at utility poles, using electronic test equipment. ***Education Required: High school diploma or GED.***

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.

Entry level salary starting at: **$15.23 – 22.99/hr**
Education required: High School Diploma or GED
If You Like: working outdoors, troubleshooting, helping the community

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. *Education required: High School diploma or GED. Some prior experience may be required.*

I AM ALWAYS THERE.

ABOUT US

The Georgia Energy & Industrial Construction Consortium (GEICC) is a 501(c)6 non-profit consortium formed to help Georgia's energy companies work together to develop solutions to the coming workforce shortage, while increasing the number of diverse, qualified applicants within the industry. This partnership organization has the specific mission of engaging electric, nuclear, natural gas utilities and construction in strategic, unified, and results-oriented efforts to ensure a skilled workforce to meet future industry demands. www.geicc.org

Georgia Work Ready was launched in August 2006 by Governor Sonny Perdue and the Georgia Chamber of Commerce to improve the job training and marketability of Georgia's workforce and drive future economic growth for the state. It is the only initiative of its kind to be conducted through a partnership between a state government and state chamber of commerce, ensuring that companies can more reliably match the right people with the right jobs. Work Ready is based on a skills assessment and certification for job seekers and a job profiling system for businesses. By identifying both the needs of business and the available skills of Georgia's workforce, the state can more effectively generate the right talent for the right jobs. www.gaworkready.org

The Center for Energy Workforce Development (cewd) is a non-profit consortium formed to help energy companies work together to develop solutions to the coming workforce shortage and increase the number of diverse, qualified applicants who want to come to work in the industry. www.cewd.org

This product was partially funded by a grant awarded under the President's High Growth Job Training Initiative as implemented by the U.S. Department of Labor's Employment & Training Administration. The information contained in this product was created by a grantee organization and does not necessarily reflect the official position of the U.S. Department of Labor. All references to non-governmental companies or organizations, their services, products, or resources are offered for informational purposes and should not be construed as an endorsement by the Department of Labor. This product is copyrighted by the institution that created it and is intended for individual organizational, non-commercial use only.

PREPARE TO GET INTO ENERGY

How do I Get Work Ready Certified?

The Work Ready assessment is administered by ACT's nationally accredited WorkKeys® system and measures both core skills and work habits. Core skills assessments measure skills in applied mathematics, reading for information and locating information, three skills that are highly important to the majority of jobs in the workplace. The work habits assessment measures work-related attitudes and behaviors in areas that are trainable and coachable, such as carefulness, cooperation, discipline and drive. Learn more and what steps are necessary to earn your work ready certificate at: **www.gaworkready.org**

Get into Energy Georgia is proudly sponsored by the Center for Energy Workforce Development and member partners. Watch videos, take skills tests and learn more online now at: **www.getintoenergyga.com**

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The following criteria will be used as guidelines to disqualify an applicant from employment:

- Positive results on drug screen
- Conviction of a crime, adjudication of a crime withheld, or pled nolo contendere to a crime
- Willful omission, misrepresentation or falsification of personal data
- Unauthorized to work in the United States of America
- Derogatory Motor Vehicle Report (which includes, speeding tickets, DUI, suspensions, etc.)
- Unauthorized to work in the United States of America
- Derogatory Credit History (specific positions)
- Inappropriate personal use of social network sites such as Facebook, MySpace, Twitter, etc...

If you decide an energy industry job is for you, there are several steps in the Hiring Process.

- Look for opportunities posted on the company's website by job title and location
- Follow the links and apply
- Complete Skills Testing (for some positions)
- Participate in an On-Site Interview
- Await Hiring Decision
- Job Acceptance / Pre-Employment Screening and Background Checks

Make your move. Get involved in Energy and Industrial Construction.

Afterall this is your future. This is our future. Be a part in Building Georgia's Future Energy and Industrial Construction industries. Believe it or not, what you learn in school will help you land not just a job but a stable career with many opportunities for growth. The following courses are required to begin your journey in a industry that will only get better.

ENGLISH/LANGUAGE ARTS
Energy jobs require being able to communicate with others verbally and through writing. You will need to be able to follow step-by-step instructions, read and write reports and communicate clearly with your co-workers and boss. This can be gained by taking four years of English/Language Arts in high school.

MATHEMATICS
Energy jobs require being able to problem solve. You will need to be able to identify a problem and try to resolve it. Mathematics teaches you the skill of breaking down a problem into logical steps in order to eventually solve it. Doing well in mathematics actually helps you become a better thinker.

SCIENCE
Energy jobs require being able to understand the nature of science, including how energy is produced. You will need to be able to ask questions, gather data, and make observations. One of the things that science teaches you is how energy impacts the environment and how to protect yourself and the environment.

geicc
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