


**GET INTO ENERGY
CAREER PATHWAYS**



Natural Gas Service Technicians: Putting STEM* to Work

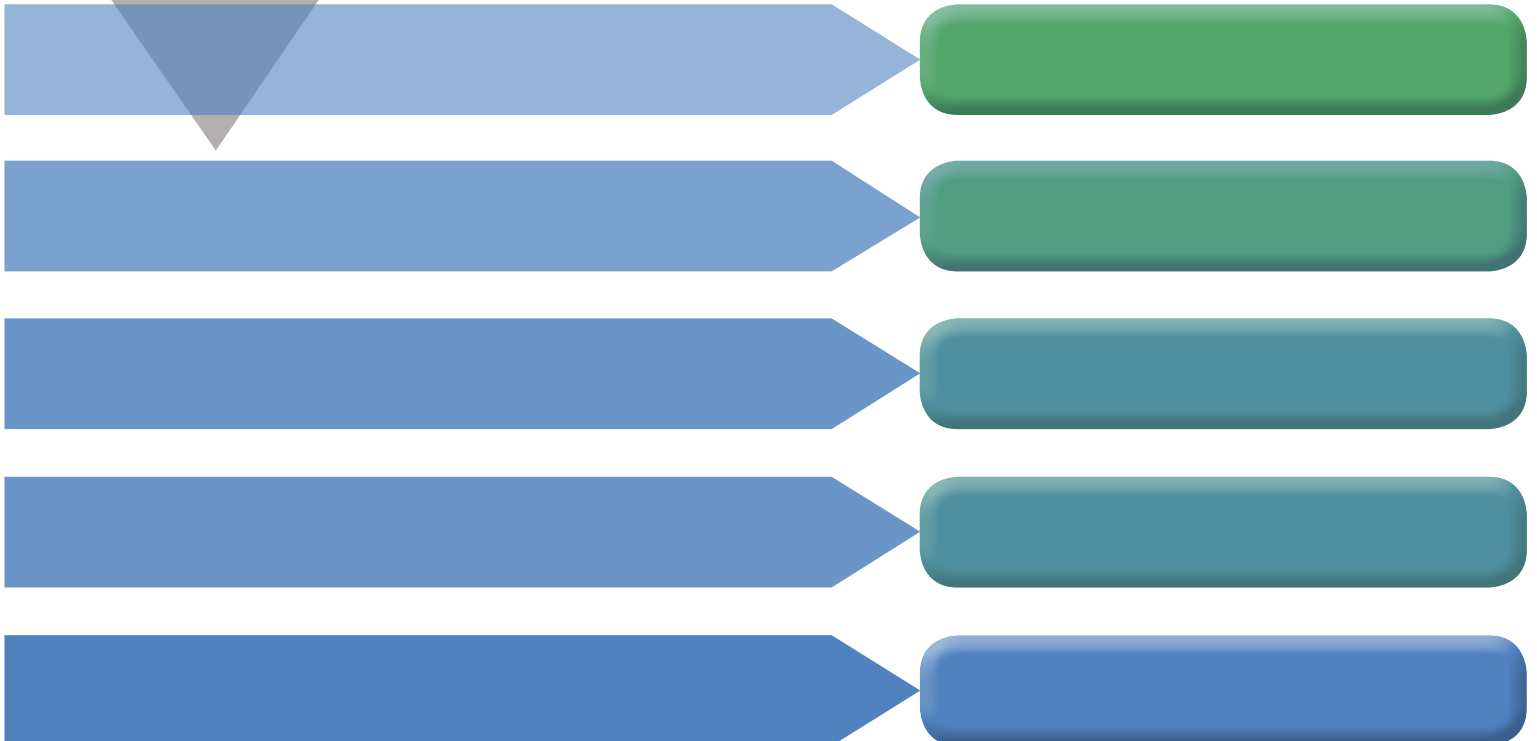
**START
HERE**

 **HIGH SCHOOL
DIPLOMA OR GED**

EARN CREDENTIALS:

LEARN MORE / EARN MORE

**EDUCATIONAL OPPORTUNITIES
FOR ADVANCEMENT**



* Science, Technology, Engineering, and Math
** Dependent on company requirements



NATURAL GAS SERVICE TECHNICIAN: What will you do?

What competencies will you need? (built on energy foundational competencies—incremental as career advances)

Note: Most utilities use a pre-employment test—to pass you will need math, communications, problem solving, and mechanical reasoning skills.

LEVEL 1:

- Provide assistance by providing tools and equipment
- Make work area safe
- Enter job data into online system

- Teamwork
- Drive heavy commercial vehicles
- Lift 75 lbs
- Listen and follow directions, come to work on time and prepared
- Be able to stand for long periods of time
- Math skills including algebra, trig, and geometry

LEVEL 2:

- Understand fundamentals of Alternating Current / Direct Current
- Safely activate and inactivate gas and electric services
- Investigate code and/or venting conditions and take appropriate actions
- Troubleshoot burners and make the proper adjustments to obtain complete combustion at the rated input
- Using standard test equipment, investigate gas leaks and take appropriate actions to make job safe

- Work with a Service Technician or Specialist to apply apprentice training concepts to the job

LEVEL 3:

- Prepare trenches for laying pipes
- Lay pipes for gas lines
- Fuse plastic pipe together
- Install and repair both high- and low-pressure pipe systems
- Install automatic controls used to regulate gas systems

- Ability to inspect service lines and house lines, investigate leak fume complaints, restore and terminate gas service and perform pressure checks at customer's premises
- Use equipment such as CGI gas scope leak machine and Gas Ranger to detect leaks in a customer's premises or outdoors
- Locate and mark out underground gas and electric facilities in conjunction with work assignment
- Repair and install gas appliances and equipment such as ovens, dryers and hot water heaters
- Measure, cut and thread pipe and connect it to feeder lines and equipment or appliance using ruler and hand tools

LEVEL 4:

- Manage own work schedules and report to supervisor on progress and/or problems
- Check for unsafe work conditions
- Communicate effectively with others including customers, crew members and supervisors
- Deal with potentially stressful situations

- Communications skills
- Assign priority or sequence to the steps for completing a job
- Coordinate several, competing activities for efficient use of time and material
- Adapt work procedures or priorities in response to changing or unforeseen requirements or conditions

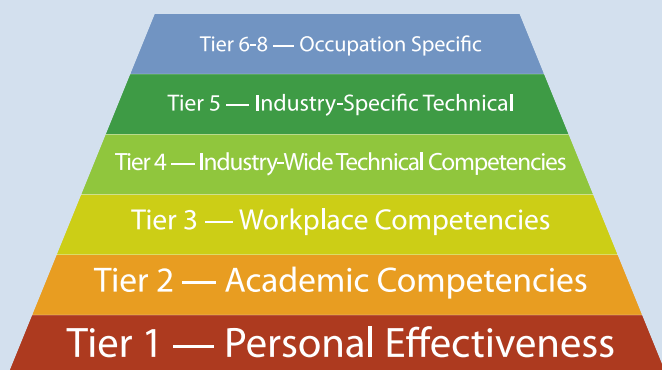
LEVEL 5:

- Schedule and oversee work of line crews
- Review crew member performance and provide feedback
- Prepare and manage budgets
- Report to management

- Financial management
- Computer skills for report preparation
- People management



ENERGY INDUSTRY COMPETENCY MODEL



Energy industry careers offer:

- Excellent salaries
- Job growth & stability
- Great benefits
- Opportunities for advancement
- Community service

Where can I find training?

Go to the Get Into Energy web site at www.getintoenergy.com/careers.php and check "Training Programs and Work-Based Training."

Where can I find a job?

Go to the Get Into Energy web site at www.getintoenergy.com/careers.php and check "Featured Employers."