



# OIL AND GAS INDUSTRY OPERATION AND MAINTENANCE TECHNICIAN

1-800-68-COLLEGE

WWW.EGCC.EDU

LOCATIONS IN CANFIELD, LISBON, STEUBENVILLE, YOUNGSTOWN AND WARREN

## *Program Overview*

Eastern Gateway Community College offers a short-term certificate to prepare students for a job in the Oil and Gas Industry Operation and Maintenance Technician field. This certificate prepares students for these careers:

### **Well tender/lease operator/pumper with tasks that may include:**

- Monitor control panels during pumping operations.
- Operate engines and pumps to shut off wells according to production schedules.
- Perform routine maintenance on equipment.
- Repair gas and oil meters and gauges.
- Unload and assemble pipes and pumping equipment, using hand tools.
- Attach pumps and hoses to wellheads.

### **Rig hand/roustabout with tasks that may include:**

- Keep pipe deck and main deck areas clean and tidy.
- Unscrew or tighten pipes, casing, tubing, and pump rods, using hand and power wrenches.
- Walk flow lines to locate leaks, using electronic detectors and by making visual inspections, and repair the leaks.
- Move pipes to and from truck.
- Bolt together pump and engine parts.
- Guide cranes to move loads about decks.
- Supply equipment to rig floors as requested, and provide assistance to roughnecks.
- Dig drainage ditches around wells and tanks.

### **Entry-level laborer with tasks that may include:**

- Control traffic passing near, in, or around work zones.
- Clean or prepare construction sites to eliminate possible hazards.

- Signal equipment operators to facilitate alignment, movement, or adjustment of machinery.
- Dig ditches, backfill excavations, or level earth to grade specifications.
- Tend pumps, compressors, or generators.
- Erect or dismantle scaffolding, shoring, braces, or other temporary structures.

Program admissions requirements include:

- High school diploma/GED
- Valid driver's license
- Criminal background check
- Drug test
- Placement testing

## *Job Outlook*

Oil and gas workers carry out the plans for drilling that petroleum engineers have designed. They operate the equipment that digs the well and that removes the oil or gas. Oil and gas workers often work in remote locations outdoors and around heavy machinery, so they must follow precautions. Most work full time, and they often work overtime, according to the *Occupation Outlook*.

The median annual wage of oil and gas workers was \$37,640 in May 2010. Employment of oil and gas workers is expected to increase by 8 percent from 2010 to 2020. Demand for oil and gas workers will depend on the demand for the products and services of two industries in particular: oil and gas extraction and support for mining activities.

## *More Information*

Eastern Gateway Community College is ready to help you prepare for a career in natural gas and oil industries. Advisors help you determine your course of preparation and instruction. For more information contact the college toll free at 800.68.COLLEGE ext. 212.

# *Oil and Gas Industry Operation and Maintenance Technician Certificate*

**Offered in partnership with  
West Virginia Northern Community College  
Weirton, WV**

## **Semester I**

NGT121 Introduction to the Natural Gas, Oil and NGL Industry	4
NGT131 Health Safety and Environment	4
NGT141 Gas and Oil Industry	4
NGT171 Introduction to Industry Equipment, Utilization, Operation and Maintenance	4
Total 16 Semester Hours	

Each class must be taken in the above order, all within one semester. Each class will be offered in a four-week period during the semester.

Classes will be scheduled Monday-Thursday evenings. Some classes will be offered offsite at West Virginia Northern Community College, Weirton Campus, for the purposes of laboratory work.

# Eastern Gateway Community College

Eastern Gateway Community College was authorized by the Ohio General Assembly in July 2009 to serve Columbiana, Jefferson, Mahoning, and Trumbull Counties. Eastern Gateway makes community college education accessible and affordable by integrating the college into all aspects of the community. Students also may take college classes from the comfort of their own home, on their own time, using the Internet. Learners in all four counties may interact with one another through video conferencing without having to leave their own community. And, traditional classes are being offered through use of existing facilities to help keep the cost of a college education down.

Eastern Gateway has three locations -- the main campus on the Jefferson County Campus, Steubenville; Valley Center, Youngstown; and Warren Center, Warren. Other class delivery locations may be found throughout the service district.

Partnerships are important to Eastern Gateway, which was expanded from Jefferson Community College established in 1968. Through Eastern Gateway, a variety of well-established and industry-accredited community college programs are available to residents. **The college has more than 60 associate degree and certificate programs; however, all programs are not available at all sites.**

Eastern Gateway also works closely with local universities so credits from a two-year degree are transferred easily to a bachelor or graduate degree. Dual enrollment across colleges and universities is available to avoid multiple application and admission processes.

To find out more, call 800.682.6553 x212 for all of your enrollment service needs, including admissions, registration, advising and counseling.



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