





Gas Utility Construction and Service (31-469-2)

Technical Diploma
Effective 2019/2020



The course sequence shown on this sheet is the recommended path to completion of the program and reflects how courses are regularly scheduled. Courses will be scheduled in the terms indicated here. Courses may be taken out of sequence as long as prerequisites are met.

✓	Course Number		Course Title	Requisites	Notes	Credits	Terms Offered
	804-370		Mathematics I/Applied	Prereq: 854-760		2	FA, SP, SU
	469-301	*	Intro to Gas Utility Industry			1	FA
	469-302	 *	Site Safety			2	FA
	469-311	*	Equipment Operations: Intro	Coreq: 469-302		3	FA
	469-313	*	Gas Utility Tool Fundamentals			1	FA
	801-302		Speaking Principles			1	SP
	801-301		Writing Principles	Prereq: 851-756		1	FA, SP, SU
	469-314	*	Plastic Piping			1	SP
	442-102	*	Intro to Welding			2	FA, SP, SU
	469-312	*	Field Operations	Prereq: 469-302; 311; 804-370		4	SP
	469-306	*	Steel Piping	Coreq: 442-102		2	SP
	469-305	*	CDL Prep for Utility Workers	Coreq: 801-301	5	1	SP
	469-309	*	Gas Appliance Operation			3	SP
Minimum Program Total Credits Required						24	

 = Milestone Course. Faculty have identified this course as providing a strong foundation for your success throughout the program. Courses should be taken in the order shown to help you stay on track and graduate on time.

Federal regulations require disclosure of the following information for this program:

Books and Supplies	Resident Tuition and Fees	On-time Graduation Rate ²	U.S. Department of Labor Standard Occupational (SOC) Code & Occupational Profile – available at http://www.onetonline.org
\$2,183	\$5,959	38%	Control and Valve Installers and Repairers, Except Mechanical Door (49-9012)

² **On-time Graduation Rate:** Dependent upon students' choice to attend college part-time or full-time. Students decide to attend college part-time for a number of reasons including work schedule/demands and family responsibilities. 76 percent of students at Gateway attend part-time, therefore taking longer to complete their chosen program of study.

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This technical diploma prepares the individual for a career in the Gas Utilities. The program emphasizes the skills needed to install, inspect, repair and maintain natural gas and propane gas distribution systems. Students will develop competencies in the operation of common construction equipment, polyethylene and steel pipe construction and gas appliance operation, start-up and safety. The Programs outcomes are aligned and verified through calibration with Midwest Energy Operator Qualification modules.

Program Learning Outcomes

Graduates will be able to:

1. Communicate technical information.
2. Operate construction tools and equipment.
3. Join polyethylene and steel pipe.
4. Install gas piping for natural and propane gases.
5. Maintain gas distribution systems.
6. Service gas appliances.
7. Apply customer service skills.
8. Develop skills to pass the State of Wisconsin CDL knowledge exam.

Core Abilities

Gateway's nine core abilities are the general attitudes and skills promoted and assessed by all programs. All Gateway graduates will be able to:

1. Act responsibly.
2. Communicate clearly and effectively.
3. Demonstrate essential computer skills.
4. Demonstrate essential mathematical skills.
5. Develop job seeking skills.
6. Respect themselves and others as members of a diverse community.
7. Think critically and creatively.
8. Work cooperatively.
9. Value learning.

Admission Requirements

1. Students must submit an application & \$30 fee.
2. Students must complete reading, writing, and math placement assessments.
3. Students must submit official high school, GED, or HSED transcript including a graduation or passing date.

Graduation Requirements

1. Minimum 24 credits with an average of 2.0 or above in general education courses.
2. Students must obtain a minimum of 2.0 ("C") in all core classes to align with Midwest Energy Association (MEA) and Operator Qualified Standards to utility workers Mandated by the Federal Office of Pipeline Safety.

For a complete list of Graduation Requirements check the Student Handbook.

Program Offerings

	Location(s)	Starting Term(s)
Days	Kenosha	FA

Notes

1. A satisfactory placement test score (or successful remediation) is required prior to enrollment. See an advisor for details.
2. Safety glasses are required in labs. If prescription safety glasses are required, allow a minimum of 90 days before the program start to obtain prescription and glasses.
3. Individuals in program must be able to obtain a Commercial Driver's License.
4. Due to Office of Pipeline Safety requirements, students must pass a background check and drug/alcohol screen conducted by a 3rd party.
5. A credit for prior learning assessment is available for this course. For more information, please contact cfpl@gtc.edu.

Gateway Technical College reserves the right to modify curriculum requirements for students who interrupt enrollment for a period of two years or take over seven years to complete. Tuition and material fees are determined by the board of the Wisconsin Technical College System. Consult Web Advisor for exact fee amounts. Occasionally, the District may offer a particular course out of published sequence. By doing so, the District does not obligate itself to offer succeeding courses out of published sequence.

EQUAL OPPORTUNITY EMPLOYER AND EDUCATOR/EMPLEADOR Y EDUCADOR QUE OFRECE IGUALDAD DE OPORTUNIDADES