



Effective 2016/2017

Career Cluster ►



Career Pathway ►

Facility & Mobile
Equipment Maintenance

DIESEL EQUIPMENT MECHANIC

(31-412-1)

Technical Diploma

Most Courses Offered at Horizon Center

^Δ Suggested Sequence	✓	Course Number	Course Title	Requisites	Credits	Hrs/Wk Lec - Lab
Semester 1		412-111	* Diesel Maintenance Fundamentals		2	1-2
		412-107	* Diesel Electricity 1	Prereq: 412-111	4	2-4
		412-114	* Diesel Heating, Cooling & Air Cond.	Prereq: 412-111; 107	3	2-2
		412-117	* Diesel Suspension & Steering Systems	Prereq: 412-111	3	1-4
		804-107	College Mathematics	Prereq: 834-109 (See Note 1)	3	3-0
		801-136	English Composition 1	Prereq: 831-103 (See Note 1)	3	3-0
Semester 2		412-106	* Diesel Brake Systems	Prereq: 412-111; 117	4	2-4
		412-112	* Diesel Drive Trains	Prereq: 412-111; 106	4	2-4
		412-116	* Diesel Preventative Maintenance	Prereq: 412-111; 106; 112	3	1-4
		801-197	Technical Reporting	Prereq: 801-136	3	3-0

Minimum Program Total Credits Required 32

^ΔCourses may be taken out of suggested sequence as long as requisites have been met.

Students who are interested in continuing into the 10-412-1 Diesel Equipment Technology program can earn their associate degree by completing an additional 38 credits. Please see your academic advisor for details.

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

Books and Supplies	Resident Tuition and Fees	U.S. Department of Labor Standard Occupational (SOC) Code & Occupational Profile – available at http://www.onetonline.org
\$2,445	\$5,480	Mobile Heavy Equipment Mechanics (49-3042)



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PROGRAM DESCRIPTION

Diesel Equipment Mechanic is a one-year repair and maintenance program designed to prepare an entry level diesel technician. This program is the first year of the associate degree Diesel Equipment Technology program. Program instruction will include over the road, off road and stationary applications. Emphasis will be placed on the fundamentals and repair of diesel engines, and basic diesel vehicle systems including brakes, heating, cooling, and electrical/electronic.

PROGRAM LEARNING OUTCOMES

Graduates of the Diesel Equipment Mechanic Program should be able to:

1. Diagnose major systems in diesel and heavy equipment industry.
2. Repair major systems in diesel and heavy equipment industry.
3. Service major systems in diesel and heavy equipment industry.
4. Practice personal and professional work habits.
5. Document complaint, cause, and correction.

CORE ABILITIES

Gateway believes students need both technical knowledge and skills and core abilities in order to succeed in a career and in life. The following nine core abilities are the general attitudes and skills promoted and assessed by all Gateway programs. All Gateway graduates should be able to:

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

ADMISSION REQUIREMENTS

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

GRADUATION REQUIREMENTS

1. Minimum 32 credits with an average of 2.0 or above.
2. Average of 2.0 ("C") or above for all 412 major courses.

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

NOTES

1. A satisfactory placement test score (or successful remediation) is required prior to enrollment. See an advisor for details.
2. Tablet computer required for this program. See an advisor for a fact sheet describing minimum requirement.
3. Work uniform is required. See an advisor for details.
4. Safety glasses are required in labs. If prescription safety glasses are required, allow a minimum of 90 days.
5. Any course may be taken prior to entry in the program, assuming prerequisites and corequisites has been satisfied (or waived with department approval.)
6. A state issued Commercial Driver License (CDL) is not required for the program but highly recommended. Gateway Technical College does not offer CDL training.

OTHER INFORMATION

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**

To schedule an appointment with an advisor, please call 1-800-247-7122.

For a complete list of course descriptions (and possible online courses) for this program, please consult our web page at www.gtc.edu.

My advisor is _____. My advisor's contact information is _____.