



**Diesel Equipment Mechanic (31-142-1)**  
 Technical Diploma  
**Effective 2018/2019**



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 requisites are met.

✓	Course Number		Course Title	Requisites	Notes	Credits	Terms Offered
	412-111	*	Diesel Maintenance Fundamentals			2	FA, SP
	412-107	*	Diesel Electricity 1	Prereq: 412-111	6	4	FA, SP
	412-114	*	Diesel Heating, Cooling & Air Cond.	Prereq: 412-111; 107	6	3	FA, SP
	412-117	*	Diesel Suspension & Steering Systems	Prereq: 412-111	6	3	FA, SP
	804-107		College Mathematics	Prereq: 834-109	1,6	3	FA, SP, SU
	801-136		English Composition 1	Prereq: 831-103	1,6	3	FA, SP, SU
	412-106	*	Diesel Brake Systems	Prereq: 412-111; 117	6	4	SP, SU
	412-112	*	Diesel Drive Trains	Prereq: 412-111; 106	6	4	SP, SU
	412-116	*	Diesel Preventative Maintenance	Prereq: 412-111; 106; 112	6	3	SP, SU
<b>Minimum Program Total Credits Required</b>						<b>29</b>	

Students interested in continuing into the 10-412-1 Diesel Equipment Technology program can earn their associate degree by completing an additional 35 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	Median Loan Debt <sup>1</sup>	On-time Graduation Rate <sup>2</sup>	U.S. Department of Labor Standard Occupational (SOC) Code & Occupational Profile – available at <a href="http://www.onetonline.org">http://www.onetonline.org</a>
\$2,561	\$5,600	\$1,312.50	30%	<a href="#">Mobile Heavy Equipment Mechanics (49-3042)</a>

<sup>1</sup> **Median Loan Debt:** Based on eligibility, students can receive loans to help pay for the total cost of attending college. The cost is comprised of tuition and fees, books and supplies, transportation costs, room and board, and miscellaneous personal expenses. Therefore, medial loan debt may be more than the listed tuition, fees, books, and supplies cost.

<sup>2</sup> **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.

## Diesel Equipment Mechanic (31-412-1)

*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 will 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'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 skills placement assessments.
3. Students must submit official high school, GED, or HSED transcript.

### Graduation Requirements

1. Minimum 29 credits with an average of 2.0 or above.
  2. \*Average of 2.0 ("C") or above for these major courses.
- For a complete list of Graduation Requirements, check the Student Handbook.

### Program Offerings

	Location(s)	Starting Term(s)
Days	Horizon Center	FA
Evenings	Horizon Center	SP

### 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 before the program start to obtain prescription and glasses.
5. A state issued Commercial Driver License (CDL) is not required for the program but highly recommended. Gateway Technical College does not offer CDL training.
6. A credit for prior learning assessment is available for this course. For more information, please contact [cfpl@gtc.edu](mailto: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.

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