



Effective 2014/2015

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

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



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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 member of a diverse community |
| 2. Communicate clearly and effectively | 7. Think critically and creatively |
| 3. Demonstrate essential comp. skills | 8. Work cooperatively |
| 4. Demonstrate essential math skills | 9. Value learning |
| 5. Develop job seeking skills | |

ADMISSION REQUIREMENTS

1. Students must submit an application & \$30 fee.
2. Students must complete reading, writing, math, and computer 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 the Master Class Schedule 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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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 _____.