



Effective 2017/2018

Career Cluster ►



Career Pathway ►

Facility & Mobile
Equipment Maintenance

**AUTOMOTIVE MAINTENANCE
TECHNICIAN**

(31-404-3)

Technical Diploma

Most Courses Offered at Horizon Center

| ^Δ Suggested Sequence | ✓ | Course Number | Course Title | Requisites | Credits | Hrs/Wk Lec - Lab |
|---|---|---------------|-----------------------------------|--------------------------------------|-----------|---------------------|
| Semester 1 | | 602-122 * | Auto IT for Transportation | | 2 | 1-2 |
| | | 602-107 * | Auto Service Fundamentals | Prereq: 602-122 | 2 | 1-2 |
| | | 602-104 * | Brake Systems | Prereq: 602-107; 122 | 3 | 2-2 |
| | | 602-124 * | Steering & Suspension Systems | Prereq: 602-107; 122 | 3 | 2-2 |
| | | 804-107 | College Mathematics | Prereq: 834-109 (See Note 1 & 5) | 3 | 3-0 |
| | | 801-136 | English Composition 1 | Prereq: 831-103 (See Note 1) | 3 | 3-0 |
| Semester 2 | | 602-125 * | Electrical & Electronic Systems 1 | Prereq: 602-107; 122; Coreq: 804-107 | 2 | 1-2 |
| | | 602-127 * | Electrical & Electronic Systems 2 | Prereq: 602-125; Coreq: 801-136 | 3 | 2-2 |
| | | 602-196 * | Climate Control Systems | Prereq: 602-127 | 3 | 2-2 |
| | | 602-204 * | Engine Repair 1 | Prereq: 602-107; 122 | 3 | 1-4 |
| | | 809-195 | Economics | Prereq: 838-105 (See Note 1) | 3 | 3-0 |
| | | 801-196 | Oral/Interpersonal Communication | Prereq: 838-105 (See Note 1) | 3 | 3-0 |
| Minimum Program Total Credits Required | | | | | 33 | |

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

Students who are interested in continuing into the 10-602-3 Automotive Technology program can earn their associate degree by completing an additional 37 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 |
|--------------------|---------------------------|---|
| \$3,900 | \$5,310 | Automotive Service Technicians and Mechanics (49-3023) |



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PROGRAM DESCRIPTION

Automotive Maintenance Technician gives an overview of essential servicing techniques, including the testing, repairing, and rebuilding of basic automotive systems. Graduates of this program have the skills necessary for entry-level employment at automotive repair facilities and retail service centers or to pursue an Associate of Applied Science degree in a two-year automotive program. The student will be prepared to take up to four ASE tests in the following areas: brakes, suspension and steering, heating and air conditioning, and electrical systems. Special emphasis will be placed on mechanical relationships and basic engine performance. Students will be able to apply the techniques learned in lectures in an automotive shop laboratory setting. This will be accomplished in a simulated work environment.

PROGRAM LEARNING OUTCOMES

Graduates of the Auto Maintenance Technician Technical Diploma Program should be able to:

1. Diagnose, service, and repair Suspension and Steering systems of light duty vehicles.
2. Diagnose, service, and repair Brake systems of light duty vehicles.
3. Diagnose, service, and repair Heating, Ventilating and Air Conditioning systems of light duty vehicles.
4. Diagnose and service Gasoline Engines of light duty vehicles.
5. Service Engine Performance related systems of light duty vehicles.

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, and math skills placement assessments.
3. Students must submit official high school, GED, or HSED transcript.

GRADUATION REQUIREMENTS

1. Minimum 33 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.

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 needed, allow at least 90 days.
3. A student supplied tablet computer is required for all 602 courses. Please contact the department prior to purchasing a computer for the minimum specification sheet.
4. Any course may be taken prior to entry in the program, assuming prerequisites and corequisites have been satisfied (or waived with department approval).
5. Formerly 804-106, Intro to College Math.

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
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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 Web Advisor on our web page at www.gtc.edu.

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