



## Automotive Maintenance Technician (31-404-3)

Technical Diploma  
**Effective 2021/2022**

*The course sequence shown on this sheet is the recommended path to completion. Courses will be scheduled in the terms indicated here. All courses should be taken in the order shown to help you stay on track and graduate according to your academic plan.*

**HZ-D = Horizon Center/days, F=Fall, S=Spring, SU=Summer**

Term	Course #	Cr.	Course Title	Requisites (prereq- before/ coreq-with)	HZ-D
1	890-155	1	Gateway to Success (G2S)		F+
1	*602-130	3	Auto Shop Essentials		F
1	*602-107	2	Auto Service Fundamentals <sup>4</sup>	Prereq: 602-130	F
1	*602-104	3	Brake Systems <sup>4</sup>	Prereq: 602-107; 602-130	F
1	*602-124	3	Steering & Suspension Systems <sup>4</sup>	Prereq: 602-107; 602-130	F
1	804-135	3	Quantitative Reasoning <sup>1</sup>	Prereq: 834-109	F+
2	*602-125	2	Electrical & Electronic Systems 1 <sup>4</sup>	Prereq: 602-107; 602-130 Coreq: 804-135	S
2	*602-127	3	Electrical & Electronic Systems 2	Prereq: 602-125	S
2	*602-196	3	Climate Control Systems <sup>4</sup>	Prereq: 602-127	S
2	*602-204	3	Engine Repair 1 <sup>4</sup>	Prereq: 602-107; 602-130	S
2	801-136	3	English Composition 1 <sup>1,4</sup>	Prereq: 831-103 OR 831-107	S+
2	801-196	3	Oral/Interpersonal Communication		S+

**Minimum Program Total Credits Required: 32**

Students interested in continuing into the 10-602-3 Automotive Technology program can earn their associate degree by completing an additional 33 credits. Please see your academic advisor for details.

Notes associated with courses (identified by a superscript number at the end of the course title) are located on the back of the sheet.

Mastery of this course will put students on a path to achieve successful degree completion, on-time graduation, and enrich the college experience. Students are required to take this course in their first semester of enrollment. Please see an advisor for details.

= Milestone Course. Faculty have identified this course as providing a strong foundation for success throughout the program.

(\*) indicates students must achieve a combined average of 2.0 ("C") or above for these major courses to meet graduation requirements.

(+) indicates students may take these courses at any one of the three main campuses; Kenosha, Racine, or Elkhorn.

### **Automotive Maintenance Technician (31-404-3)**

*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 will 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.

### **Essential Career Competencies**

Gateway's six essential career competencies are the general attitudes and skills promoted and assessed by all programs. All Gateway graduates will develop skills in:

- Communication
- Professionalism and Career Management
- Cultural Competence
- Critical Thinking and Problem Solving
- Teamwork and Collaboration
- Technology Competence

### **Admission Requirements**

1. Students must submit an application and pay \$30 fee.
2. Students must meet one of the following: minimum cumulative high school GPA of 2.6 (unweighted); earned at least 12 college credits with a minimum GPA of 2.0; or complete valid reading, writing, and math placement assessments.

### **Graduation Requirements**

1. Minimum 32 credits with an average of 2.0 or above.
2. \*Average of 2.0 ("C") or above for these major courses.
3. Complete 890-155 Gateway to Success (G2S) in the first semester.

For a complete list of Graduation Requirements, check the Student Handbook or [Graduation Requirements](#).

### **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 before the program start to obtain prescription and glasses.
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. 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 My Gateway 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.