Automotive Technology (10-602-3)

Associate of Applied Science

Effective 2026/2027

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. Courses in this program may be offered in a variety or combination of formats (for example: in-person, video conferencing, online, etc.). More detailed scheduling information for this program can be found at https://www.gtc.edu/automotive-technology. Please see your academic advisor for additional information.

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

Term	Course Number	Credits	Course Title	Requisites (prereq- before/ coreq-with)	Notes	HZ-D
1	890-155	1	Gateway to Success (G2S)		• Students are required to take this course in their first semester of enrollment. Please see an advisor for details.	F+
1	*602-130	3	Auto Shop Essentials		• Faculty have identified this milestone course as providing a strong foundation for success throughout the program.	F
1	*602-107	2	Auto Service Fundamentals	Prereq: 602-130		F
1	*602-104	3	Brake Systems	Prereq: 602-107; 602-130		F
1	*602-124	3	Steering & Suspension Systems	Prereq: 602-107; 602-130		F
2	*602-125	2	Electrical & Electronic Systems 1	Prereq: 602-107; 602-130 Coreq: 804-134 OR 804-135	• Faculty have identified this milestone course as providing a strong foundation for success throughout the program.	S
2	*602-127	3	Electrical & Electronic Systems 2	Prereq: 602-125		S
2	*602-196	3	Climate Control Systems	Prereq: 602-127		S
2	*602-204	3	Engine Repair 1	Prereq: 602-107; 602-130		S
2	804-134	3	Mathematical Reasoning	Prereq: 854-760	• Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details.	S+
3	801-136	3	English Composition 1	Prereq: 831-103 OR 851-757	• Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details.	SU+
3	801-196	3	Oral/Interpersonal Communication			SU+
3	809-196	3	Sociology, Introduction to	Prereq: 838-105 OR 851-757	• Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details.	SU+

(*) Students must achieve a combined average of 2.0 ("C") or above for this major course to meet graduation requirements.

(+) Students may take this course at any one of the three main campuses; Kenosha, Racine, Elkhorn or Online.

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Term	Course Number	Credits	Course Title	Requisites (prereq- before/ coreq-with)	Notes	HZ-D
4	*602-197	3	Engine Performance 1	Prereq: 602-127; 602-204; 804-134 OR 804-135 Coreq: 801-136		F
4	*602-129	3	Auto Scope and Scanner Diagnosis	Prereq: 602-197; 801-136		F
4	*602-128	3	Electrical & Electronic Systems 3	Prereq: 602-127		F
4	*602-149	4	Manual Drive Train & Axles	Prereq: 602-107; 602-130		F
4	809-198	3	Psychology, Introduction to	Prereq: 838-105 OR 851-757	• Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details.	F+
5	*602-195	2	Advanced Chassis Systems	Prereq: 602-104; 602-124; 602-127		S
5	*602-205	2	Engine Repair 2	Prereq: 602-204		S
5	*602-109	4	Auto Transmission/Transaxle	Prereq: 602-127		S
5	*602-198	4	Engine Performance 2	Prereq: 602-197		S
5	*602-120 **OR** *602-131	2	Auto Service Simulation **OR** Automotive Service Internship	Prereq: 602-104; 602-124; 602-128; 602-129; 602-196; 602-198; 602-205 Prereq: Instructor Consent		S

Minimum Program Total Credits Required:65

(*) Students must achieve a combined average of 2.0 ("C") or above for this major course to meet graduation requirements.

(+) Students may take this course at any one of the three main campuses; Kenosha, Racine, Elkhorn or Online.

Automotive Technology (10-602-3)

Automotive Technology is a two-year repair and maintenance curriculum, totaling over 1,800 hours of automotive instruction. Students desiring to become entry-level line technicians at automotive dealerships or independent repair facilities will be prepared for ASE Master Certification in all areas of automotive mechanical repairs. Students will become competent in engine performance, engine repair, manual and automatic drive lines, transmissions and transaxles, electrical systems, and electronics, using a simulated work environment on vehicles.

Program Learning Outcomes

Graduates will be able to:
1. Demonstrate professionalism appropriate to the auto service industry.
2. Perform diagnosis, service and repair of automotive internal combustion engines.
3. Perform diagnosis, service and repair of automotive automatic transmission / transaxle systems.
4. Perform diagnosis, service and repair of automotive manual drive train and axles systems.
5. Perform diagnosis, service and repair of automotive steering and suspension steering systems.
6. Perform diagnosis, service and repair of automotive brake systems.
7. Perform diagnosis, service and repair of auto electrical/electronic systems.
8. Perform diagnosis, service and repair of automotive heating and air conditioning systems.
9. Perform diagnosis, service and repair of automotive engine performance systems.

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:
1. Communication Competence
2. Critical Thinking and Problem Solving
3. Professionalism and Career Management
4. Teamwork and Collaboration
5. Cultural Competence
6. 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 65 credits with a cumulative GPA 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 student supplied tablet computer is required for all 602 courses. Please contact the department prior to purchasing a computer for the minimum specification sheet.
2. 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.

Gateway Technical College reserves the right to modify curriculum requirements for students who interrupt enrollment for one year 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. The District reserves the right to modify, cancel, or relocate course offerings in response to factors such as low enrollment, resource availability, or other relevant considerations to ensure high-quality educational experiences. Students will be notified in writing and are encouraged to meet with their Academic Advisor to adjust their academic plan.

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