



Automotive Technology (10-602-3)
Associate of Applied Science
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
	602-122 *	Auto IT for Transportation			2	FA, SP
	602-107 *	Auto Service Fundamentals	Prereq: 602-122	5	2	FA, SP
	602-104 *	Brake Systems	Prereq: 602-107; 602-122	5	3	FA, SP
	602-124 *	Steering & Suspension Systems	Prereq: 602-107; 602-122	5	3	FA, SP
	804-107	College Mathematics	Prereq: 834-109	1,5	3	FA, SP, SU
	801-136	English Composition 1	Prereq: 831-103	1,5	3	FA, SP, SU
	602-125 *	Electrical & Electronic Systems 1	Prereq: 602-107; 602-122; Coreq: 804-107	5	2	FA, SP
	602-127 *	Electrical & Electronic Systems 2	Prereq: 602-125; Coreq: 801-136		3	FA, SP
	602-196 *	Climate Control Systems	Prereq: 602-127	5	3	FA, SP
	602-204 *	Engine Repair 1	Prereq: 602-107; 602-122	5	3	FA, SP
	801-196	Oral / Interpersonal Communication	Prereq: 838-105	1	3	FA, SP, SU
	602-197 *	Engine Performance 1	Prereq: 602-204; 602-127; Coreq: 801-136	5	3	FA, SP, SU
	602-121 *	Auto Instrumentation & Testing	Prereq: 602-197		4	FA, SP, SU
	602-128 *	Electrical & Electronic Systems 3	Prereq: 602-127		3	FA, SP, SU
	602-149 *	Manual Drive Train & Axles	Prereq: 602-107; 602-122		4	FA, SP, SU
	809-196	Sociology, Introduction to	Prereq: 838-105	1,4,5	3	FA, SP, SU
	809-198	Psychology, Introduction to	Prereq: 838-105	1,4,5	3	FA, SP, SU
	602-195 *	Advanced Chassis Systems	Prereq: 602-104; 602-124; 602-127; Coreq: 801-136		2	FA, SP
	602-205 *	Engine Repair 2	Prereq: 602-204		2	FA, SP
	602-109 *	Auto Transmission/Transaxle	Prereq: 602-127	5	4	FA, SP
	602-198 *	Engine Performance 2	Prereq: 602-197	5	4	FA, SP
	602-120 *	Auto Service Simulation	Prereq: 602-104; 602-121; 602-123; 602-124; 602-128; 602-196; 602-198		2	FA, SP
Minimum Program Total Credits Required					64	

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.

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 and pay \$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 64 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, SP
Evenings	Horizon Center	FA

Notes

1. A satisfactory placement test score (or successful remediation) is required prior to enrollment. See an advisor for details.
2. 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.
3. 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.
4. Transfer credits in Social Science may substitute for this course. See an advisor for details.
5. A credit for prior learning assessment is available for this course. For more information, please contact 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.

EQUAL OPPORTUNITY EMPLOYER AND EDUCATOR/EMPLEADOR Y EDUCADOR QUE OFRECE IGUALDAD DE OPORTUNIDADES