



Effective 2017/2018

Career Cluster ►



Career Pathway ►

Facility & Mobile
Equipment Maintenance

AUTOMOTIVE TECHNOLOGY

(10-602-3)

Associate of Applied Science

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; 602-122	3	2-2
		602-124 *	Steering & Suspension Systems	Prereq: 602-107; 601-122	3	2-2
		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		602-125 *	Electrical & Electronic Systems 1	Prereq: 602-107; 602-122; 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; 602-122	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
Semester 3		602-197 *	Engine Performance 1	Prereq: 602-204; 602-127; Coreq: 801-136	3	2-2
		602-121 *	Auto Instrumentation & Testing	Prereq: 602-197	4	3-2
		602-128 *	Electrical & Electronic Systems 3	Prereq: 602-127	3	2-2
		602-149 *	Manual Drive Train & Axles	Prereq: 602-107; 602-122	4	2-4
		809-196	Sociology, Introduction to	Prereq: 838-105 (See Note 1 & 6)	3	3-0
		809-198	Psychology, Introduction to	Prereq: 838-105 (See Note 1 & 6)	3	3-0
Semester 4		602-195 *	Advanced Chassis Systems	Prereq: 602-104; 602-124; 602-127; Coreq: 801-136	2	2-0
		602-205 *	Engine Repair 2	Prereq: 602-204; Coreq: 801-197	2	1-2
		602-109 *	Auto Transmission/Transaxle	Prereq: 602-127	4	2-4
		602-198 *	Engine Performance 2	Prereq: 602-197	4	3-2
		602-120 *	Auto Service Simulation	Prereq: 602-104; 602-121; 602-123; 602-124; 602-128; 602-196; 602-198	2	0-4
		801-197	Technical Reporting	Prereq: 801-136	3	3-0

Minimum Program Total Credits Required 70

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



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PROGRAM DESCRIPTION

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 of the Automotive Technology Associate Degree Program should 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 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 | 5. Develop job seeking skills |
| 2. Communicate clearly and effectively | 6. Respect themselves and others as a member of a diverse community |
| 3. Demonstrate essential computer skills | 7. Think critically and creatively |
| 4. Demonstrate essential math skills | 8. Work cooperatively |
| | 9. Value learning |

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 70 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. 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.
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.
6. Transfer credits in Social Science may substitute for this course. See an advisor for details.

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.

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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 _____ .