



Effective 2009/2010

Career Cluster ►



Career Pathway ►

Facility & Mobile
Equipment Maintenance

AUTOMOTIVE TECHNOLOGY

(10-602-3)

Associate of Applied Science
Offered at: Kenosha Horizon Center

^Δ Suggested Sequence	✓	Course Number	Course Title	Requisites	Credits	Hrs/Wk Lec - Lab
Semester 1		154-117	Auto IT for Transportation		3	2-2
		602-148	*Auto Mechanic Fund./Serv. Reference		3	2-2
		602-189	*Auto Brakes	Prereq: 602-148	3	2-2
		602-146	*Auto Steering & Suspension	Prereq: 602-148	3	2-2
		602-190	*Auto Service Simulation I	Prereq: 602-189; 602-146	3	0-6
		804-106	College Math, Introduction to	Prereq: 854-760	3	3-0
Semester 2		602-142	*Auto Electrical System	Prereq: 602-148 Coreq: 804-106	4	2-4
		602-150	*Auto HVAC	Prereq: 602-148	2	1-2
		602-152	*Auto Engine Minor	Prereq: 602-148	2	1-2
		602-188	*Auto Service Simulation II	Prereq: 602-142; 602-150; 602-152 Coreq: 801-196	2	0-4
		801-136	English Composition 1	Prereq: 831-103 (See Note 1)	3	3-0
		801-196	Oral / Interpersonal Communication		3	3-0
Semester 3		602-159	*Auto Engine Performance	Prereq: 602-142 Coreq: 602-188	3	2-2
		602-156	*Auto Instrumentation & Testing	Prereq: 602-159	3	2-2
		602-187	*Auto Service Simulation III	Prereq: 602-156; 602-159 Coreq: 801-136	2	0-4
		801-197	Technical Reporting	Prereq: 801-136	3	3-0
		809-198	Psychology, Introduction to	Prereq: 838-105 (See Note 1)	3	3-0
Semester 4		602-172	*Auto Chassis Dynamics	Prereq: 602-189; 602-146; 602-156	2	1-2
		602-177	*Auto Engine Major	Prereq: 602-152	3	1-4
		602-174	*Auto Adv. Power Train Controls	Prereq: 602-156	2	1-2
		602-178	*Auto Service Simulation IV	Prereq: 602-172; 602-174; 602-177 Coreq: 801-197	3	0-6
		809-195	Economics	Prereq: 838-106 (See Note 1)	3	3-0
		809-196	Sociology, Introduction to	Prereq: 838-105 (See Note 1)	3	3-0
Electives		Take 6 elective credits. Any associate degree level course may be taken as an elective.			6	
		Suggested Electives: 804-114 College Technical Math 1B (2 Cr) 602-173 Auto Automatic Trans (3 Cr) 806-154 General Physics 1 (4 Cr) 602-171 Auto Manual Transaxles (3 Cr)				

Program Total Required 70

^Δ Courses 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. Diagnose, service, and repair gasoline engines of light duty vehicles.
2. Diagnose, service, and repair automatic transmissions and transaxles of light duty vehicles.
3. Diagnose, service, and repair suspension and steering systems of light duty vehicles.
4. Diagnose, service, and repair brake systems of light duty vehicles.
5. Diagnose and repair electrical/electronic systems of light duty vehicles.
6. Diagnose, service, and repair heating, ventilating, and AC systems of light duty vehicles.
7. Diagnose, service, and repair engine performance related systems of light duty vehicles.
8. Diagnose, service, and repair manual drive trains and axles 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 computer 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 pre-algebra, placement testing.

GRADUATION REQUIREMENTS

1. 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 a counselor for details.
2. School leased computer is required for all 602 courses.
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.)

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 the Master Class Schedule 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/ACCESS EDUCATOR / EMPLOYER
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You may call Student Services at (262) 767-5300 (Burlington), (262) 741-8300 (Elkhorn), (262) 564-2300 (Kenosha), or (262) 619-6300 (Racine) for additional information. 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 counselor is _____. My counselor's contact information is _____.