

# AUTOMOTIVE TECHNOLOGY: AUTOMOTIVE MANAGEMENT, AS

**Program code:** AUTO-AS-AM

**Location:** Gateway, Naugatuck Valley

## Program Description

The complexity of the automobile requires more sophisticated technicians and specialists than ever before. The need for qualified personnel has expanded beyond the bay into service and shop management. Until now students had to decide whether to take the Automotive Technician Program Degrees or a Business Degree if they aspired towards Automotive Management. The Management Option creates a sensible way for employers to fill management positions.

## Learning Outcomes

Upon successful completion of all program requirements, graduates will be able to:

1. Apply Language Arts and Communications skills related to the occupation, including but not limited to: reading, writing, and oral communication.
2. Use scientific methods and critical thinking to solve problems in science related to the occupation, including but not limited to: electricity, chemical reactions, heat, motion, and hydraulics.
3. Demonstrate Workplace Skills related to the occupation, including but not limited to, preparing a resume, seeking employment, maintaining a safe and healthy workplace environment, demonstrating workplace ethics and teamwork.
4. Apply knowledge of Computer Applications including word processing, spreadsheets, graphs and other software related to the occupation.
5. Apply knowledge of theory and safety to accomplish certain tasks related to the occupation.
6. Identify and use appropriate tools, testing and measurement equipment to accomplish certain tasks related to the occupation.
7. Use current reference and training materials from accepted industry publications and standards to accomplish certain tasks related to the occupation.
8. Apply knowledge of general engine diagnosis and repair, including but not limited to the engines: cylinder heads, valve train, block, lubrication, and cooling system.
9. Apply knowledge of suspension and steering systems (including wheel and tire), diagnosis, service, adjustments, alignment and repair.
10. Apply knowledge of general disc and/or drum brake system, hydraulics, power assist, and ABS (antilock brakes), maintenance, adjustment, diagnosis, and repair.
11. Apply knowledge of general electrical/electronic systems, including but not limited to: starting, charging, lighting, wiring, accessories, diagnosis and repair.
12. Demonstrate basic knowledge of management, human resources, and organizational development in an entry-level management position.

13. Understand and practice the various functions of management as well as the nature and responsibilities of a manager.
14. Interpret management information from various sources such as financial statements, annual reports, and publications.
15. Demonstrate a responsible attitude in relationships with employers, fellow employees, working groups, and the macro-environment.

## Degree Requirements

Code	Title	Credits
<b>General Education Courses</b>		
ENG 1010	Composition	3
Elective MATH 1000 or higher		3-4
Elective ARHX - Arts & Humanities Course		3-4
Elective SCRX - Scientific Reasoning Course or Elective SCKX - Scientific Knowledge Course		3-4
Elective SBSX - Social / Behavioral Science Course or Elective HISX - Historical Knowledge Course		3
Elective ORAX - Oral Communication Course or Elective WRIX - Written Communication II Course		3
CCS 1001	College and Career Success	3
<b>Program Courses</b>		
AUTO 1030	Automotive Maintenance and Light Repair	3
AUTO 1033	Electrical/Electronics Systems	3
AUTO 1031	Engine Repair	3
AUTO 1038	Brakes Systems	3
AUTO 1036	Suspension and Steering	3
AUTO 2030	Service and Parts Department Management	3
BUSN 1100	Introduction to Business	3
ACCT 1130	Principles of Financial Accounting	3
BENT 2170	Small Business Management and Growth	3
ACCT 1170	Principles of Managerial Accounting	3
BMGT 2020	Principles of Management	3
BUSN 2310	Business Law I	3
ECON 1001	Principles of Macroeconomics	3
<b>Total Credits</b>		<b>60-63</b>

The Automotive Technology curriculum offers four degree options. Students may not complete more than one associate's degree in this area but additional certificates may be earned.

- Automotive Technology: Advanced Engine Performance Certificate
- Automotive Technology: Comprehensive Automotive Repair and Service (CARS) Certificate
- Automotive Technology: Comprehensive Automotive Repair and Service (CARS), AS
- Automotive Technology: Electric Vehicle Technician Certificate
- Automotive Technology: Fundamentals Certificate
- Automotive Technology: General Auto Service Certificate
- Automotive Technology: General Motors Automotive Service Certificate
- Automotive Technology: General Motors Automotive Service Education Program (ASEP), AAS

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- Automotive Technology: Honda Express Technician Certificate
- Automotive Technology: Honda Professional Auto Career Training (PACT) Auto Service Certificate
- Automotive Technology: Honda Professional Automotive Career Training (PACT), AAS