

www.clcillinois.edu/programs/aut

A.A.S. PROGRAM OVERVIEW

**Engineering, Math and Physical Sciences
Division, Room T302, (847) 543-2044**

The Automotive Technology program offers courses leading to an Associate in Applied Science, Automotive Technician. This program will provide students with a solid foundation and a variety of skills to enter the automotive industry, or to pursue further undergraduate study. The program is Master Certified (MAST) by the ASE Education Foundation. This is the highest level of certification that can be awarded. The ASE Education foundation formerly known as NATEF was founded in 1983 as an independent, non-profit organization with a single mission: to evaluate technician training programs against standards developed by the automotive industry and recommend qualifying programs for certification (accreditation) by the National Institute for Automotive Service Excellence (ASE).

www.aseeducationfoundation.org

Upon successful completion of the program, students will be prepared to take the ASE technician certification exams. Students who pass the ASE certifications exams and have completed the work experience required by ASE will be awarded certification by ASE..

TOOLS REQUIRED

Tool sets are required for all automotive lab classes. Tools assets are available for purchase in the CLC book store if you do not own tools; financial aid may assist, just as it does for books. You can also use purchase a tool set from a vendor of your choice provided it meets the program standards.

ESL SUPPORTED CLASSES

Four classes are taught in English with ESL support: Introduction to Automotive Technology, Engine Rebuilding, Braking Systems and Auto Electrical I.

AUTOMOTIVE SERVICE

**Degree: Associate in Applied Science,
Automotive Service
Plan 24AH**

Completion of this program prepares students for employment in the areas of automotive repair. Fifteen hours of required General Education coursework is built into the program.

To complete an A.A.S., students are **strongly encouraged** to meet with a Student Development Counselor or advisor to identify coursework that will meet degree requirements.

FIRST SEMESTER	14
AUT 110 Introduction to Automotive Technology	3
AUT 111 Engine Repair	4
AUT 131 Auto Electrical I	4
MTH 114 Applied Mathematics I <i>or</i> MTH Elective (higher than MTH 114)	3
SECOND SEMESTER	15
AUT 113 Suspension and Alignment	4
AUT 132 Manual Drive Train and Axles	4
AUT 231 Auto Electrical II	4
ENG 120 Technical Composition <i>or</i>	
ENG 121 English Composition I	3
THIRD SEMESTER	15
AUT 112 Braking Systems	4
AUT 232 Automatic Transmissions and Trans Axles	4
AUT 251 Powertrain Controls Humanities and Fine Arts Elective (I/M)	3
FOURTH SEMESTER	11
AUT 252 Powertrain Management	4
AUT 275 Air Conditioning and Heating	4
CMM 111 Communication Skills <i>or</i>	
CMM 121 Fundamentals of Speech	3
FIFTH SEMESTER	10
AUT 233 Advanced Driveline Systems	3
AUT 290 Automotive Service (4 credits) <i>or</i>	
EWE 120 Job Readiness Skills (1 credit) <i>and</i>	
EWE 220 Internships (1-3 credits) Social Sciences Elective	3
Total Hours for A.A.S. Degree	65

TYPICAL JOBS

- Mechanic
- Automotive Service Technician
- Transmission Technician
- Mobile Air Conditioning Technician
- Journeyman
- Repair Service Estimator
- Shop Supervisor
- Service Manager

EMPLOYERS

- A-Tire County Service
- Classic Toyota
- Firestone
- Midas
- Mercedes
- Audi
- Ford
- Jeep
- Parts stores
- Repair facilities (independent and car dealers)

TRANSFER OPTIONS

Credits from CLC's Automotive Program transfer toward a bachelor's degree. CLC has agreements with the following institutions:

- Southern Illinois University
- Ferris State University (Michigan)

GETTING STARTED

For steps on how to apply and register, visit www.clcillinois.edu/admission.

Grayslake · Vernon Hills · Waukegan · Online

CERTIFICATE PROGRAM

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AUTOMOTIVE SERVICE (Certificate) Plan 24AV

Completion of this program prepares students for employment in the areas of automotive repair.

FIRST SEMESTER 14

AUT 110	Introduction to Automotive Technology	3
AUT 111	Engine Repair	4
AUT 131	Auto Electrical I	4
MTH 114	Applied Math <i>or</i> MTH Elective (higher than MTH 114)	3

SECOND SEMESTER 16

AUT 112	Braking Systems	4
AUT 113	Suspension and Alignment	4
AUT 231	Auto Electrical II	4
AUT 251	Powertrain Controls	4

THIRD SEMESTER 12

AUT 132	Manual Drive Train and Axles	4
AUT 232	Automatic Transmissions and Trans Axles	4
AUT 252	Powertrain Management	4

FOURTH SEMESTER 11

AUT 233	Advanced Driveline Systems	3
AUT 275	Air Conditioning and Heating	4
AUT 290	Automotive Service (4 credits) <i>or</i>	
EWE 120	Job Readiness Skills (1 credit) <i>and</i>	
EWE 220	Internships (1-3 credits)	4

Total Hours for Certificate 53

RELATED PROGRAMS

Automotive Air Conditioning and Heating Specialist (Certificate) Plan 24UG

This certificate prepares a student for initial employment diagnosing and repairing automotive heating and air conditioning systems.

Automotive Electrical Specialist (Certificate) Plan 24UH

This certificate prepares a student for employment diagnosing and repairing chassis and body electrical and electronic circuits.

Automotive Fuel Systems Specialist (Certificate) Plan 24UI

This certificate prepares a student for initial employment diagnosing and repairing automotive engine fuel system problems.

Automotive Service Specialist (Certificate) Plan 24UJ

This certificate prepares a student for initial employment in the automotive service industry.

Automotive Brakes and Suspension Specialist (Certificate) Plan 24UK

This certificate prepares a student for initial employment diagnosing and repairing automotive braking, suspension and alignment problems.

Automotive Oil Change Specialist (Certificate) Plan 24UL

This certificate prepares students for employment in the oil change business.

Automotive Transmission Specialist (Certificate) Plan 24UM

This certificate prepares a student for initial employment diagnosing and repairing manual transmission, automatic transmission and driveline problems.

CONTACT INFO

Grayslake Campus
19351 W. Washington St.
Grayslake, IL 60030

Derrek Keesling

Department Chair
Automotive Faculty

Room: T015

(847) 543-2728

Dkeesling@clcollinois.edu

Ted Wells

Automotive Faculty

Room: T015

(847) 543-2501

Twells@clcollinois.edu

Felipe Valtierra

Automotive Faculty

Room: T015

(847) 543-2509

Fvaltierra@clcollinois.edu

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