

# Under Hood Technician

College of Lake County Grayslake · Vernon Hills · Waukegan · Online

## Program Overview

Engineering, Math & Physical Sciences  
Division, Room T102 (847) 543-2044

The Automotive Technology programs offer courses leading to two A.A.S. degrees: Under Hood Technician and Under the Car Technician. These programs will provide students with a solid foundation and a variety of skills to enter the automotive industry, or to pursue further undergraduate study.

To complete an A.A.S., students must meet General Requirements detailed in the current CLC catalog. Visit [www.clcillinois.edu/catalog/](http://www.clcillinois.edu/catalog/) (select Career Programs). All course prerequisites must be met.

[www.clcillinois.edu/programs/aut](http://www.clcillinois.edu/programs/aut)

## UNDER HOOD TECHNICIAN (Associate in Applied Science) 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.

Phase I . . . . .	20
AUT 171 Engine Rebuilding . . . . .	5
AUT 172 Auto Electrical I . . . . .	5
AUT 174 Introduction to Automotive Technology . . . . .	4
ENG 120 Technical Composition <b>or</b>	
ENG 121 English Composition I . . . . .	3
MTH 114 Applied Mathematics I <b>or</b>	
MTH Elective (higher than MTH 114) . . . . .	3

Phase II . . . . .	16
AUT 173 Auto Electrical II . . . . .	5
AUT 215 Automotive Management <b>or</b>	
AUT 217 Automotive Service Consulting . . . . .	3
AUT 271 Engine Performance I . . . . .	5

CMM 111 Communication Skills* <b>or</b>	
CMM 121 Fundamentals of Speech* . . . . .	3

Phase III . . . . .	29
AUT 272 Engine Performance II . . . . .	5
AUT 274 Automatic Transmissions and Trans Axles . . . . .	5
AUT 275 Air Conditioning and Heating . . . . .	5
AUT 276 Engine Systems Diagnosis . . . . .	5
AUT 277 Advanced Specialization . . . . .	5
Humanities or Fine Arts Elective* . . . . .	3
Social Science Electives* . . . . .	6

Total Hours for A.A.S. Degree . . . . . 65

## UNDER HOOD TECHNICIAN (Certificate) Plan 24AV

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

AUT 171 Engine Rebuilding . . . . .	5
AUT 172 Auto Electrical I . . . . .	5
AUT 173 Auto Electrical II . . . . .	5
AUT 174 Introduction to Automotive Technology . . . . .	4
AUT 215 Automotive Management <b>or</b>	
AUT 217 Automotive Service Consulting . . . . .	3
AUT 271 Engine Performance I . . . . .	5
AUT 272 Engine Performance II . . . . .	5
AUT 275 Air Conditioning and Heating . . . . .	5
AUT 276 Engine Systems Diagnosis . . . . .	5
AUT 277 Advanced Specialization . . . . .	5
MTH 114 Applied Mathematics I <b>or</b>	
MTH Elective (higher than MTH 114) . . . . .	3

Total Hours for Certificate . . . . . 50

## How to Register

Visit [www.clcillinois.edu/credit/register/](http://www.clcillinois.edu/credit/register/) for steps on how to register.

## Typical Jobs \*

- Mechanic
- Service Technician
- Transmission Technician
- Auto AC Repairer
- Journeyman
- Repair Service Estimator
- Shop Supervisor
- Service Manager

## Salary Range \*

\$19,000 - \$62,500

## Job Outlook \*

The number of jobs for automotive service technicians and mechanics is projected to grow faster than average for all occupations over the next decade.

## Employers of CLC Graduates

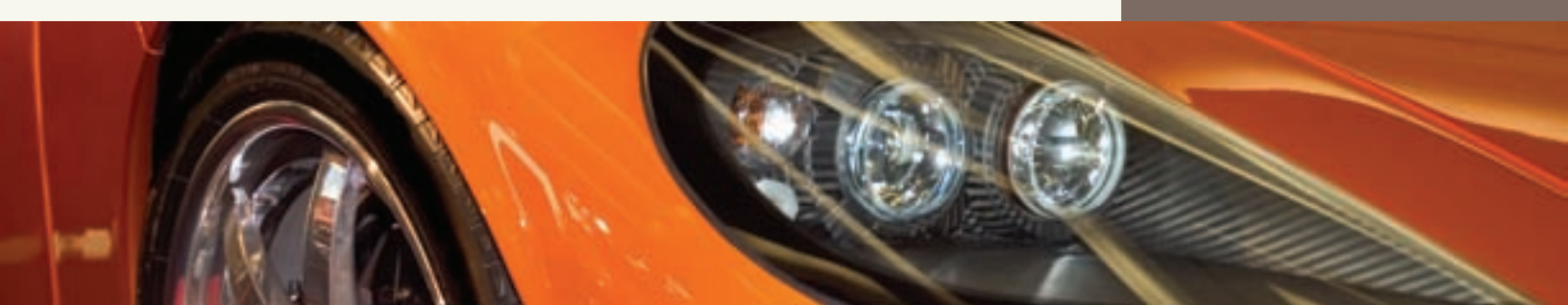
- A-Tire County Service
- Classic Chevrolet/Toyota
- Firestone
- Midas
- Parts stores
- Sears
- Repair facilities  
(independent and car dealers)

## 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 (Michigan)

\* Career information is based on data from the Bureau of Labor Statistics for the Chicagoland area.



# Under Hood Technician

## Related Programs

### Under The Car Technician

(A.A.S.) Plan 24AJ and (Certificate) Plan 24AY

These programs prepare the student for employment in diagnosing, testing and repairing brakes, suspension and alignment and driveline systems.

### Transmission Technician

(Certificate) Plan 24AX

This certificate prepares a student for employment in diagnosing, testing and repairing transmissions and drivelines.

### Automotive AC 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.

### Auto 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.

## Master Certified Program

The program is Master Certified by the National Automotive Technician Education Foundation, Inc. (NATEF). This is the highest level of certification that NATEF awards. 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).

## ASE Certification Exam

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

## Tools Required

A small set of hand tools are required for all automotive lab classes. Tools are available at the CLC Bookstore; financial aid may assist, just as it does for books.

## ESL Supported Classes

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

## Contact Info

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*"Many students wind up with a job before they finish, which is one of the strengths of the*

*program. They are able to apply what they learn in class tomorrow, literally tomorrow. Students talk about what they did on the job and learn more about that. It's a program with a lot of flexibility."*

**Derrek Keesling**

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