

Careers in Trades and Apprenticeships

Automotive Technology

Certificate & Associate of Science • West Hills Center

The Automotive Technology Certificate program is designed to prepare students to become automotive technicians, trained in the latest automotive service technologies and methods. Courses include technical training on current model vehicles and components with emphasis on the latest developments in brakes, steering, suspension, basic electronics, climate control, basic engine performance, emission inspector and safety inspector certification. Credit for some courses may be awarded for work completed at an area vocational, technical or trade school or in the military.

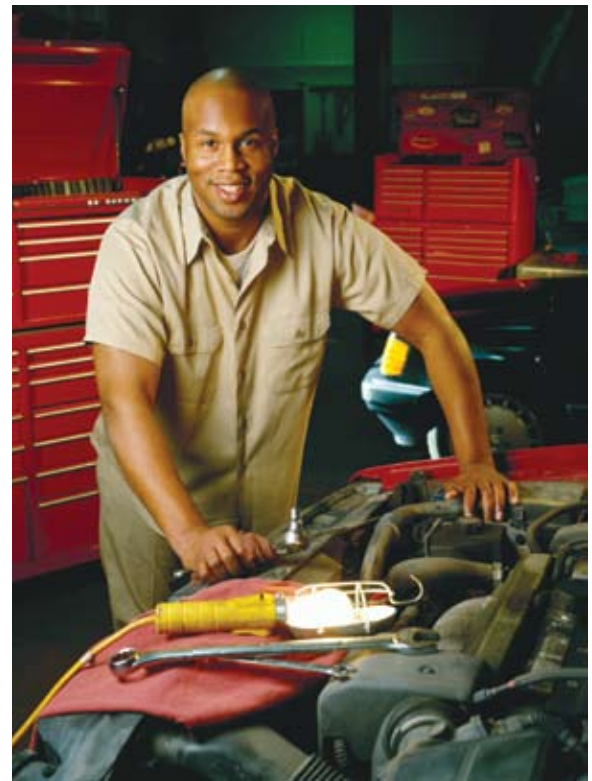
Successful completion of the certificate program prepares graduates to take ASE exams in order to become certified in up to four skill areas. Graduates will be qualified to work as under-car specialists, lube and inspection technicians, automotive service installers or as automotive repair technicians.

The Automotive Technology Associate of Science program includes all of the technical information covered in the certificate program as well as advanced automotive diagnostic and academic courses enabling graduates to

both enhance their communications skills and increase their opportunities for career advancement. Classes are scheduled both day and evening at CCAC's West Hills center. This program is similar in structure to the certificate program in that it allows credit for work completed at area vocational, technical or trade schools or in the military.

Successful completion of the program prepares graduates to take the ASE exams in order to become certified master technicians. Jobs open to graduates include: certified automotive service technicians, certified automotive fleet technicians, service shop foremen and service managers.

According to the U.S. Department of Labor, Bureau of Labor Statistics, job growth for certified workers in the automotive technology field for the next 10 years is expected to keep pace with the national average, with growth promising to be as high as 17% in some areas. Additionally, the number of job openings is expected to outstrip the number of available workers, increasing the number of job opportunities.



For more information on **CCAC's Automotive Technology program**, please call 412.788.7500.

CCAC West Hills Center
1000 McKee Road
Oakdale, PA 15071

www.ccac.edu

Automotive Technology



CERTIFICATE REQUIREMENTS

First Semester		Credits
ATE101	Basic Automotive Service	2
ATE106	Emissions Inspector Certification	1
ATE108	State Inspection Certification	1
ATE111	Intro Auto Electricity/Electronics	4
ATE240	Automotive Base Brake/ABS	4
Second Semester		
ATE110	Automotive Chassis & Steering	4
ATE152	Automotive Heating & Air Conditioning	4
ATE214	Engine Performance Theory & Operation	2
WLD103	Welding Safety & Applications	1
Minimum credits required to graduate		23

ASSOCIATE'S DEGREE REQUIREMENTS

First Semester		Credits
ATE101	Basic Automotive Service	2
ATE111	Intro Auto Electricity/Electronics	4
ATE112	Advanced Auto Electricity/Electronics	4
ATE240	Automotive Base Brake/ABS	4
ENG101	English Composition 1	3
Second Semester		
ATE106	Emissions Inspector Certification	1
ATE108	State Inspection Certification	1
ATE225	Transmission Diagnosis & Repair	4
ATE226	Advanced Automatic Transmission/Axle	2
ATE250	Automotive Internship 1	1
ENG103	Technical Communications	3
MAT191	Mathematics for the Industries	3
Third Semester		
ATE201	Internal Combustion Engine	4
ATE214	Engine Performance Theory & Operation	2
ATE215	Engine Performance Diagnosis & Testing	4
PHS161	Physical Science for the Industries	3
PSY116	Organizational Psychology	3
ATE251	Automotive Internship 2	1
Fourth Semester		
ATE110	Automotive Chassis & Steering	4
ATE152	Automotive Heating & Air Conditioning	4
ATE224	Standard Transmission, Rear Axle Overhaul	4
SPH101	Oral Communication	3
WLD103	Welding Safety Applications	1
Minimum credits required to graduate		65

All information is correct as of date of publication. However, some curriculum requirements may have changed since publication. Please consult the CCAC website at www.ccac.edu to view complete program descriptions and the latest curriculum changes, including information on course prerequisites.