Careers in Trades and Apprenticeships

Automotive Service Program: ASSET

Associate of Science • West Hills Center

The CCAC/Ford Automotive Student Service Educational Training Program (ASSET) prepares students to service and repair today's increasingly high-tech automobiles. Equipped with intricate and sophisticated computer systems, automobiles require highly trained and skilled service people. CCAC offers a unique two-year apprenticeship program that includes an associate's degree in Automotive Technology as well as Ford Motor Company certification. Every term, students attend classes for half the semester then report to a paid apprenticeship at a Ford or Lincoln/Mercury dealership to apply their newly learned skills. The program covers repair techniques in all automotive systems including the use of the latest computerized diagnostic equipment.

CCAC's curriculum prepares students to take tests necessary to earn Automotive Service Excellence (ASE) certification. This program is also certified by the National Automotive Technicians Educational Foundation (NATEF).

All CCAC instructors are ASE certified master technicians and have many years of industry experience. They are also factory certified and attend many hours of updated manufacturer training annually.

Students receive both classroom and laboratory instruction in theory and practical aspects of Ford vehicle repairs. Classes are held at CCAC's West Hills center in North Fayette Township. Students train on the same tools and diagnostic equipment used at Ford and Lincoln/Mercury dealerships.

Because ASSET program graduates also earn Ford factory-training certification, graduates are highly sought after for employment at Ford dealerships as Ford and Lincoln/Mercury dealers are required to employ factory-trained technicians. According to the U.S. Department of Labor, Bureau of Labor Statistics, employment opportunities for automotive technicians are expected to increase by 9–17% over the next 10 years, with jobs outnumbering the available number of skilled workers.

CCAC's Ford ASSET program incorporates the study of automotive service operations, human relations and the proper computer skills to provide students with a foundation to advance into supervisory and management positions.

For more information on **CCAC's Automotive Service Program: ASSET,** please call 412.788.7500.

CCAC West Hills Center
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Oakdale, PA 15071

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More than 92% of CCAC graduates live and work in our region.

ASSOCIATE'S DEGREE REQUIREMENTS

Students are required to be sponsored by a participating dealership. A list of sponsoring dealerships can be obtained from the CCAC West Hills Automotive department. Degree requirements are listed below:

First Semester		Credits
ATE103	Automotive System Minor Service	3
ATE106	Emission Inspector Certification	1
ATE108	State Inspection Certification	1
ATE126	Suspension & Steering	4
ATE232	Automotive Brake Systems	3
Second Semester		
ATE121	Electrical Systems & Power Accessories	3
ATE122	Electronic Systems	3
ATE151	Automotive Climate Systems	3
ATE220	Advanced Automotive Electricity/Electronics	3
MAT191	Mathematics for the Industries	3
Summer Semester		
ATE131	Major Engine Service	4
PHS161	Physical Science for the Industries	3
Third Semester		
ATE123	Engine Performance 1	3
ATE124	Engine Performance 2	4
ATE207	Advanced Engine Performance	4
ENG101	English Composition 1	3
SPH101	Oral Communication	3
Fourth Semester		
ATE234	Standard Transmission, Transaxle, Drivetrain	3
ATE235	Automatic Transmission/Transaxle	5
ENG103	Technical Communication	3
PSY116	Organizational Psychology	3
WLD103	Welding Safety	1
Minimum credits required to graduate		**66**

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.

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