

ALTERNATIVE FUEL VEHICLE TECHNOLOGY, BASIC CERTIFICATE



College(s): KK, OH

Program Code: 0099

The AFVT Program has been designed to prepare students to apply their skills and knowledge to correctly diagnose and repair alternative fuel vehicles such as hybrid power units in accordance with manufacturer’s specifications. The AFVT program will also give emergency response, auto insurance and salvage yard personnel working knowledge to safely perform their tasks when working on or inspecting hybrid fuel vehicles. This program will also prepare automotive technicians and instructors to sit for the Automotive Service Excellence (ASE) Advanced Engine Performance examination.

Program Requirements

Code	Title	Hours
Required Program Core		
AUTOTEC 130	Topics in Alternative Fuel Technology	3
AUTOTEC 230	Introduction to Alternative Fuel Technology	4
AUTOTEC 231	AFT Hybrid Fuel Vehicles	4
AUTOTEC 232	Hybrid and Fuel Cell Vehicles	5
Total Hours		16

Pathway

This is an **example course sequence** for students interested in earning a Basic Certificate (BC) in Alternative Fuel Vehicle Technology (AFVT). It does not represent a contract, nor does it guarantee course availability. If this pathway is followed as outlined, you will earn a Basic Certificate.

Semester-by-Semester Program Plan for Full-Time Students

All plans can be modified to fit the needs of part-time students by adding more semesters.

Semester 1		Hours
AUTOTEC 101	Intro To Automotive Techn ¹	4
AUTOTEC 104	Electrical Systems & Power Accessories ¹	4
Hours		8
Semester 2		
AUTOTEC 105	Fuel Management I ¹	4
AUTOTEC 204	Electrical Systems II ¹	4
Hours		8
Semester 3		
AUTOTEC 205	Fuel Management II ¹	4
Hours		4
Semester 4		
AUTOTEC 206	Fuel Management III ¹	4
Hours		4
Semester 5		
AUTOTEC 130	Topics in Alternative Fuel Technology	3

AUTOTEC 230	Introduction to Alternative Fuel Technology	4
AUTOTEC 231	AFT Hybrid Fuel Vehicles	4
AUTOTEC 232	Hybrid and Fuel Cell Vehicles	5
Hours		16
Total Hours		40

A Master's or Professional degree 0.00%

A Doctoral degree or more 0.00%

0.00% continue their education beyond an associate degree

¹ Program Prerequisite

Choose your courses with your College Advisor.

Careers

This program can prepare students for the jobs listed below. Click on each one to learn more, including average earnings, annual job openings, and how much education people in that field have. For additional guidance and resources on career options, current City Colleges students and alumni can contact the Career Services Office (<https://www.ccc.edu/departments/Pages/Career-Services.aspx>).

Automotive Service Technicians and Mechanics

Job Description

Diagnose, adjust, repair, or overhaul automotive vehicles.

Salary Based on Experience Level

Take a look at the average hourly/annual earnings for this career in Cook County

Lightcast earnings figures are based on OES data from the BLS and include base rate, cost of living allowances, guaranteed pay, hazardous-duty pay, incentive pay (including commissions and bonuses), on-call pay, and tips.

Annual Wages

Entry-Level 10 th Percentile	\$28,030
Median 50 th Percentile	\$46,304
Senior-Level 90 th Percentile	\$80,296

Hourly Wages

Entry-Level 10 th Percentile	\$13
Median 50 th Percentile	\$22
Senior-Level 90 th Percentile	\$39

Annual Job Openings

968 annual openings in Cook County

National Education Attainment

Here, you can see the level of education that people in this career complete.

Degree Program	% of Jobs
A high school diploma or less	42.60%
A certificate	50.25%
Some college	5.78%
An Associate degree	1.37%
A Bachelor's degree	0.00%