

AUTOMOTIVE TECHNOLOGY, ASSOCIATE IN APPLIED SCIENCE



College(s): KK, OH, TR

Program Code: 0125

The AAS degree in Automotive Technology provides the necessary foundation and practical experience to pursue entry-level positions that meet the changing demands of the automotive industry. Entry-level positions may be found in automotive dealerships and franchises, independent service repair shops, auto part stores, or through self-employment. Students will learn the skills essential to employment in the field of maintenance technology, auto body care, chassis, diesel, and power train, leading to employment in service, maintenance, and areas of technological specialty such as detailing, auto body paint and refinishing, as well as management occupations or self-employment. Students will also be able to consider transferring Industrial Engineering Technology credits to state universities.

Program Requirements - Track 1 (KK)

Code	Title	Hours
General Education Coursework		
ENGLISH 101	Composition	3
Additional General Education Courses ^{1,2}		15
Required Program Core		
AUTOTEC 101	Intro To Automotive Techn	4
AUTOTEC 103	Engine Concepts	4
AUTOTEC 104	Electrical Systems & Power Accessories	4
AUTOTEC 109	Automotive Brakes	4
AUTOTEC 209	Steering & Suspension Systems	4
AUTOTEC 211	Auto Service Management	4
AUTOTEC 215	AutoTemperature Control Systems	4
Additional Core		
AUTOTEC 105	Fuel Management 1	4

AUTOTEC 205	Fuel Management II	4
AUTOTEC 206	Fuel Management III	4
Program Electives		
Select a minimum of 8 credit hours of program electives (p. 1)		8
Total Hours		66

¹ Select an additional 15 hours of general education courses from Communications, Fine Arts & Humanities, Mathematics, Social & Behavioral Sciences, or Physical & Life Sciences.

² At least one course must meet the Human Diversity (HD) requirement.

Program Electives

Code	Title	Hours
AUTOTEC 108	Work Based Learning I	3
AUTOTEC 204	Electrical Systems II	4
AUTOTEC 207	Transmission Transaxle & Dr	4
CIS 120	Introduction to Computer Applications	3

Program Requirements - Track 2 (TR)

Code	Title	Hours
General Education Coursework		
ENGLISH 101	Composition	3
Additional General Education Courses ^{1,2}		15
Required Program Core		
AUTOTEC 101	Intro To Automotive Techn	4
AUTOTEC 103	Engine Concepts	4
AUTOTEC 104	Electrical Systems & Power Accessories	4
AUTOTEC 109	Automotive Brakes	4
AUTOTEC 204	Electrical Systems II	4
AUTOTEC 209	Steering & Suspension Systems	4
AUTOTEC 215	AutoTemperature Control Systems	4
Additional Core Requirements		

AUTOTEC 106	Fuel Systems	5
AUTOTEC 210	Performance & Driveability	5
AUTOTEC 212	Manual Drive Train & Axles	4
Program Electives		
Select a minimum of 6 credit hours of program electives (p. 2)		6
Total Hours		66

- ¹ Select an additional 15 hours of general education courses from Communications, Fine Arts & Humanities, Mathematics, Social and Behavioral Sciences, or Physical Sciences & Life Sciences.
- ² At least one course must meet the Human Diversity (HD) requirement.

Program Electives

Code	Title	Hours
AUTOTEC 108	Work Based Learning I	3-6
AUTOTEC 207	Transmission Transaxle & Dr	4
AUTOTEC 211	Auto Service Management	4
CIS 120	Introduction to Computer Applications	3

Program Requirements - Track 3 (OH)

Code	Title	Hours
General Education Coursework		
ENGLISH 101	Composition	3
MATH 118	General Education Math	4
or MATH 107	Math For Technicians I	
SOC SCI 101	General Course I Social Science	3
HUM 201	General Course I Humanities	3
PHY SCI 107	Current Public Issues in Physical Science	3
Select one of the following:		3
AFRO AM 101	Introduction to African-American Studies (HD)	
HISTORY 141	History of World Civilization to 1500 (HD)	
HISTORY 215	History of Latin America (HD)	
Required Program Core		
AUTOTEC 101	Intro To Automotive Techn	4
AUTOTEC 103	Engine Concepts	4
AUTOTEC 104	Electrical Systems & Power Accessories	4
AUTOTEC 106	Fuel Systems	5
AUTOTEC 109	Automotive Brakes	4
AUTOTEC 209	Steering & Suspension Systems	4
AUTOTEC 210	Performance & Driveability	5
AUTOTEC 211	Auto Service Management	4
or AUTOTEC 212	Manual Drive Train & Axles	
AUTOTEC 215	AutoTemperature Control Systems	4
Program Electives		
Select a minimum of 9 credit hours of program electives (p. 2)		9
Total Hours		66

At least one course must meet the Human Diversity (HD) requirement.

Program Electives

Code	Title	Hours
AUTOTEC 207	Transmission Transaxle & Dr	4
CIS 120	Introduction to Computer Applications	3
AUTOTEC 108	Work Based Learning I	4-6
or AUTOTEC 211	Auto Service Management	

Pathways

Semester-by-Semester Program Plan for Full-Time Students - Track 1 (KK)

This is an **example course sequence** for students interested in earning an Associate in Applied Science degree in Automotive Technology. It does not represent a contract, nor does it guarantee course availability. If this pathway is followed as outlined, you will earn basic certificates (BC) in Automotive Chassis Maintenance, Automotive Fuel Management, Automotive Maintenance, and Automotive Technology, and an Advanced Certificate (AC) and Associate in Applied Science (AAS) Degree in Automotive Technology. One course will satisfy the Human Diversity (HD) requirement, and is labeled with an (HD) in the sequence below.

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	4
AUTOTEC 103	Engine Concepts	4
AUTOTEC 104	Electrical Systems & Power Accessories	4
AUTOTEC 109	Automotive Brakes	4
AUTOTEC 209	Steering & Suspension Systems	4
Hours		20
Semester 2		
AUTOTEC 105	Fuel Management I	4
AUTOTEC 204	Electrical Systems II ²	4
ENGLISH 101	Composition ¹	3
AUTOTEC 108	Work Based Learning I ²	3
General Education course ¹		3
Hours		17
Semester 3		
AUTOTEC 205	Fuel Management II	4
AUTOTEC 211	Auto Service Management	4
AUTOTEC 215	AutoTemperature Control Systems	4
Mathematics/Physical Sciences/Life Sciences course ¹		3
Hours		15
Semester 4		
AUTOTEC 206	Fuel Management III	4
AUTOTEC 207	Transmission Transaxle & Dr ²	4
Social and Behavioral Sciences course (HD) ¹		3
Fine Arts & Humanities course ¹		3
General Education course ¹		3
Hours		17
Total Hours		69

¹ General Education Requirement

² Program Elective (p. 1)

Program Electives

Code	Title	Hours
AUTOTEC 108	Work Based Learning I	3
AUTOTEC 204	Electrical Systems II	4
AUTOTEC 207	Transmission Transaxle & Dr	4
CIS 120	Introduction to Computer Applications	3

Choose your courses with your College Advisor.

Semester-by-Semester Program Plan for Full-Time Students - Track 2 (TR)

This is an **example course sequence** for students interested in earning an Associate in Applied Science degree in Automotive Technology. 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 (BC), an Advanced Certificate (AC) and an Associate in Applied Science (AAS) Degree in Automotive Technology. One course will satisfy the Human Diversity (HD) requirement, and is labeled with an (HD) in the sequence below.

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	4
AUTOTEC 103 Engine Concepts	4
AUTOTEC 104 Electrical Systems & Power Accessories	4
AUTOTEC 109 Automotive Brakes	4
AUTOTEC 209 Steering & Suspension Systems	4
Hours	20
Semester 2	Hours
AUTOTEC 106 Fuel Systems	5
AUTOTEC 204 Electrical Systems II	4
ENGLISH 101 Composition ¹	3
CIS 120 Introduction to Computer Applications ²	3
Hours	15
Semester 3	Hours
AUTOTEC 210 Performance & Driveability	5
AUTOTEC 212 Manual Drive Train & Axles	4
AUTOTEC 215 AutoTemperature Control Systems	4
MATH 118 General Education Math ¹	4
Hours	17
Semester 4	Hours
AUTOTEC 207 Transmission Transaxle & Dr ²	4
PHY SCI 111 General Course I Physical Science ¹	4
General Education course ¹	3
Social and Behavioral Sciences course (HD) ¹	3
Fine Arts & Humanities course ¹	3
Hours	17
Total Hours	69

¹ General Education Requirement

² Program Elective (p. 2)

Program Electives

Code	Title	Hours
AUTOTEC 108	Work Based Learning I	3-6
AUTOTEC 207	Transmission Transaxle & Dr	4

AUTOTEC 211	Auto Service Management	4
CIS 120	Introduction to Computer Applications	3

Choose your courses with your College Advisor.

Semester-by-Semester Program Plan for Full-Time Students - Track 3 (OH)

This is an **example course sequence** for students interested in earning an Associate in Applied Science degree in Automotive Technology. It does not represent a contract, nor does it guarantee course availability. If this pathway is followed as outlined, you will earn basic certificates (BC) in Automotive Chassis Maintenance, Automotive Maintenance, and Automotive Technology and an Advanced Certificate (AC) and Associate in Applied Science (AAS) Degree in Automotive Technology. One course will satisfy the Human Diversity (HD) requirement, and is labeled with an (HD) in the sequence below.

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	4
AUTOTEC 103 Engine Concepts	4
AUTOTEC 104 Electrical Systems & Power Accessories	4
AUTOTEC 109 Automotive Brakes	4
AUTOTEC 209 Steering & Suspension Systems	4
Hours	20
Semester 2	Hours
AUTOTEC 106 Fuel Systems	5
ENGLISH 101 Composition ¹	3
CIS 120 Introduction to Computer Applications ²	3
Hours	11
Semester 3	Hours
AUTOTEC 210 Performance & Driveability	5
AUTOTEC 211 Auto Service Management	4
AUTOTEC 212 Manual Drive Train & Axles	4
AUTOTEC 215 AutoTemperature Control Systems	4
MATH 118 General Education Math ¹	4
Hours	21
Semester 4	Hours
AUTOTEC 207 Transmission Transaxle & Dr	4
PHY SCI 107 Current Public Issues in Physical Science ¹	3
SOC SCI 101 General Course I Social Science ¹	3
HUM 201 General Course I Humanities ¹	3
Select one of the following: ¹	3
AFRO AM 101 Introduction to African-American Studies	
HISTORY 141 History of World Civilization to 1500	
HISTORY 215 History of Latin America	
Hours	16
Total Hours	68

¹ General Education Course

² Program Elective (p. 3)

Program Electives

Code	Title	Hours
AUTOTEC 207	Transmission Transaxle & Dr	4
CIS 120	Introduction to Computer Applications	3

AUTOTEC 108 Work Based Learning I
or AUTOTEC 21 Auto Service Management

4-6

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%
A Master's or Professional degree	0.00%
A Doctoral degree or more	0.00%

0.00% continue their education beyond an associate degree