ONE-YEAR CERTIFICATE

COMPREHENSIVE AUTOMOTIVE TECHNOLOGY CERTIFICATE

2257

The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.

Business, Engineering, and Information Technologies Division   *Automotive and Transportation Department*

The Stark State College *Comprehensive Automotive Technology Certificate* contains the core automotive courses that are in the automotive technology associate degree program and are structured to prepare students for a productive career in the automotive service and repair industry.

In our two state-of-the-art automotive facilities, students use the latest tools and diagnostic equipment to apply practical service techniques to our fleet of late-model vehicles. This builds hands-on skills that can be applied immediately upon graduation.

The curriculum is accredited by the National Automotive Technicians Education Foundation (NATEF) preparing students to pursue Automotive Service Excellence (ASE) certification. Students successfully completing this course of study will receive a *Comprehensive Automotive Technology Certificate* from Stark State College.

Students desiring to obtain an associate's degree can choose to add the academic courses that are listed on the Automotive Technology Program (2250) advising sheet.

Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	*Take first semester*	
AUT121	Automotive Technical Skills	2		
AUT122	Automotive Systems and Engine Technology	4	AUT121	
AUT123	Engine Diagnosis and Major Service	4	AUT121	
AUT124	Vehicle Chassis Systems	4	AUT121	
AUT125	Automotive Electrical and Accessory Systems	4	AUT121	
AUT126	Automotive HVAC Systems	2	AUT121	
AUT221	Fuel and Emissions Management Systems	3	AUT125	
AUT222	Engine System Performance Diagnosis	3	AUT125	
AUT223	Advanced Automotive Electronics	3	AUT125	
AUT225	Automotive Drivetrain I	3	AUT121	
AUT226	Automotive Drivetrain II	3	AUT121	
AUT227	Computerized Vehicle Control	3	AUT125	
AUT233	Automotive Diagnostic Applications	2	AUT223	
AUT234	Alternative Fuels and Advanced Automotive Technologies	2	AUT223	
	TOTAL CREDIT HOURS	**43**		

^^To promote student success, this course should be taken in the first semester.

STUDENT ADVISING NOTES

<u>Academic Advising</u>
Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- and Co-requisites</u>
SSC101	Student Success Seminar^^	1	*Take first semester*
AUT121	Automotive Technical Skills	2	
AUT122	Automotive Systems and Engine Technology	4	AUT121
AUT123	Engine Diagnosis and Major Service	<u>4</u>	AUT121
		11	
<u>Second Semester</u>			
AUT124	Vehicle Chassis Systems	4	AUT121
AUT125	Automotive Electrical and Accessory Systems	4	AUT121
AUT126	Automotive HVAC Systems	<u>2</u>	AUT121
		10	
<u>Third Semester</u>			
AUT222	Engine System Performance Diagnosis	3	AUT125
AUT223	Advanced Automotive Electronics	3	AUT125
AUT225	Automotive Drivetrain I	3	AUT121
AUT226	Automotive Drivetrain II	<u>3</u>	AUT121
		12	
<u>Fourth Semester</u>			
AUT221	Fuel and Emissions Management Systems	3	AUT125
AUT227	Computerized Vehicle Control	3	AUT125
AUT233	Automotive Diagnostic Applications	2	AUT223
AUT234	Alternative Fuels and Advanced Automotive Technologies	<u>2</u>	AUT223
		10	
	TOTAL CREDITS	**43**	

^^To promote student success, this course should be taken in the first semester.