



ONE-YEAR CERTIFICATE

2023-24 Catalog
Effective Summer 2023

1-YEAR AUTOMOTIVE TECHNOLOGY

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.

2256

Business, Engineering, and Information Technologies Division

Automotive and Transportation Department

The Stark State College *1-Year Automotive Technology Certificate* contains the core automotive courses that are in the automotive technology associate degree program and are structured to quickly 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 *1-Year 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.

| TECHNICAL Course Number | Course Title | Credits | Pre- and Co-Requisites | Completed Sem./Year |
|----------------------------|---|-----------|----------------------------|------------------------|
| SSC101 | Student Success Seminar^^ | 1 | <i>Take first semester</i> | |
| 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 1 | 3 | AUT121 | |
| AUT226 | Automotive Drivetrain 2 | 3 | AUT121 | |
| AUT227 | Computerized Vehicle Control | 3 | AUT125 | |
| AUT233 | Automotive Diagnostic Applications | 2 | AUT223 | |
| TOTAL CREDIT HOURS | | 41 | | |

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

FULL-TIME STUDENT ADVISING NOTES

Academic Advising

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.

Course Sequence

The semester-by-semester listing below provides the normal scheduling option for students seeking a one-year certificate.

| <u>First Semester</u> | | <u>Credit Hours</u> | <u>Pre- or Co-requisites</u> |
|------------------------|---|---------------------|------------------------------|
| SSC101 | Student Success Seminar^^ | 1 | <i>Take first semester</i> |
| AUT121 | Automotive Technical Skills | 2 | |
| AUT122 | Automotive Systems and Engine Technology | 4 | AUT121 |
| AUT123 | Engine Diagnosis and Major Service | 4 | AUT121 |
| AUT125 | Automotive Electrical and Accessory Systems | <u>4</u> | AUT121 |
| | | 15 | |
| <u>Second Semester</u> | | | |
| AUT124 | Vehicle Chassis Systems | 4 | AUT121 |
| AUT126 | Automotive HVAC Systems | 2 | AUT121 |
| AUT221 | Fuel and Emissions Management Systems | 3 | AUT125 |
| AUT223 | Advanced Automotive Electronics | 3 | AUT125 |
| AUT227 | Computerized Vehicle Control | <u>3</u> | AUT125 |
| | | 15 | |
| <u>Third Semester</u> | | | |
| AUT222 | Engine System Performance Diagnosis | 3 | AUT125 |
| AUT225 | Automotive Drivetrain 1 | 3 | AUT121 |
| AUT226 | Automotive Drivetrain 2 | 3 | AUT121 |
| AUT233 | Automotive Diagnostic Applications | <u>2</u> | AUT223 |
| | | 11 | |
| | TOTAL CREDITS | 41 | |

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