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Academic Year  
**2022 - 2023**

# Noncredit Automotive Technician

Business, Computer Sciences and  
Applied Technologies Division  
Bldg. L1, Room L14  
408-864-8797

Find your counselor at  
deanza.edu/our-counselors

Please visit your counselor to apply for certificates or degrees and for academic planning assistance.

### Noncredit Certificate Requirements

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply.

- Completion of all major courses with a C grade, passing grade or satisfactory progress.

Note: Each course must be completed at De Anza College.

### Advanced Engine Performance Technology Certificate of Completion

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply.

The Certificate of Completion in Advanced Engine Performance Technology sequence helps prepare students for employment as entry-level technicians in the automotive repair industry.

Program Learning Outcomes: Upon completion, students will be able to

- Utilize the appropriate equipment, documentation, and troubleshooting principles on various automotive systems

1. Meet the requirements for this certificate level.
2. Complete the following.

AUTO 360F	No-Start Diagnosis	54 hours
AUTO 360G	Advanced Scan Tool Diagnosis	54 hours
AUTO 360H	Advanced Drivability and Onboard Diagnostics	54 hours
AUTO 360J	Advanced Lab Scope and Waveform Diagnosis	54 hours
<b>Total Hours Required .....</b>		<b>216</b>

### Automotive Chassis Technology Certificate of Completion

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply.

This noncredit Certificate of Completion prepares students for an entry-level position in automotive undercar inspection and repair procedures.

Program Learning Outcomes: Upon completion, students will be able to

- Perform undercar inspections and repair suspension, steering, hydraulic and active braking systems

1. Meet the requirements for this certificate level.
2. Complete the following.

AUTO 361A	Automotive Brake Systems	54 hours
AUTO 361B	Electronically Controlled Brake Systems	54 hours
AUTO 362A	Automotive Suspension, Steering and Alignment	108 hours
<b>Total Hours Required .....</b>		<b>216</b>

### Automotive Machining and Engine Repair Technology Certificate of Completion

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply.

The Certificate of Completion in Automotive Machining and Engine Repair Technology sequence prepares students for entry-level engine diagnostics positions in the automotive repair industry.

Program Learning Outcomes: Upon completion, students will be able to

- Demonstrate an understanding of four-stroke engine theory, basic safe machining practices, and engine assembly

1. Meet the requirements for this certificate level.
2. Complete the following.

AUTO 364	Automotive Machining and Engine Repair	108 hours
AUTO 364H	High Performance Engine Preparation	108 hours
<b>Total Hours Required .....</b>		<b>216</b>

### Automotive Powertrain Technology Certificate of Completion

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply.

The Certificate of Completion in Automotive Powertrain Technology sequence helps prepare students for employment as entry-level automotive repair technicians in the area of automotive transmission and differential.

Program Learning Outcomes: Upon completion, students will be able to

- Demonstrate knowledge of the overall operation of an automotive transmission and differential

1. Meet the requirements for this certificate level.
2. Complete the following.

AUTO 363	Automatic Transmissions and Transaxles	108 hours
AUTO 363A	Advanced Manual Drive Train	108 hours
AUTO 363D	Transmission Diagnostic and Repair Techniques	54 hours
<b>Total Hours Required .....</b>		<b>270</b>

## Basic Engine Performance Technology

### *Certificate of Completion*

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply.

The Certificate of Completion in Basic Engine Performance Technology prepares students to be successful as entry-level technicians in vehicle electrical repairs.

Program Learning Outcomes: Upon completion, students will be able to

- Identify the basic electrical circuits and diagnose automotive electrical systems
- Apply the basic principles of physics as they work in the automotive industry

1. Meet the requirements for this certificate level.
2. Complete the following.

AUTO 353A	Automotive Mechanisms	72 hours
AUTO 360	Automotive Electrical Systems	108 hours
AUTO 360A	Electrical Schematic Diagnosis	54 hours
AUTO 360B	Automotive Electronics	54 hours
<b>Total Hours Required .....</b>		<b>288</b>

## General Service Technician

### *Certificate of Completion*

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply.

This noncredit Certificate of Completion prepares a student for employment as an entry-level technician performing vehicle inspections, new car preparation and general automotive maintenance.

Program Learning Outcomes: Upon completion, students will be able to

- Perform basic engine service, cooling system maintenance and battery testing
- Perform tire service including balancing, disc and drum brake service, and basic front and rear suspension service

1. Meet the requirements for this certificate level.
2. Complete the following.

AUTO 350A	Introduction to Automotive Principles	48 hours
AUTO 350B	Applied Automotive Principles	48 hours
AUTO 351A	Introduction to Automotive Principles - Chassis Systems	48 hours
AUTO 351B	Applications of Automotive Principles - Chassis Systems	48 hours
AUTO 360	Automotive Electrical Systems	108 hours
<b>Total Hours Required .....</b>		<b>300</b>

## Intermediate Engine Performance Technology

### *Certificate of Completion*

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply.

The Certificate of Completion in Intermediate Engine Performance Technology sequence prepares students to be successful as entry-level technicians in vehicle ignition and fuel systems.

Program Learning Outcomes: Upon completion, students will be able to

- Interpret and analyze automotive ignition and fuel systems

1. Meet the requirements for this certificate level.
2. Complete the following.

AUTO 360C	Automotive Ignition, Fuel and Emission Systems	108 hour
AUTO 360D	Ignition Analysis and Oscilloscope Diagnosis	54 hours
AUTO 360E	Automotive Fuel Injection	54 hours
<b>Total Hours Required .....</b>		<b>216</b>

## Smog Technician

### *Certificate of Completion*

Noncredit Certificates are awarded by departments and are not notated on official college transcripts. Contact the department directly for assistance and to apply.

This noncredit Certificate of Completion helps prepare students as an entry-level technician in the automotive repair industry performing California state smog inspections.

Program Learning Outcomes: Upon completion, students will be able to

- Perform a complete California state smog inspection

1. Meet the requirements for this certificate level.
2. Complete the following.

AUTO 360C	Automotive Ignition, Fuel and Emission Systems	108 hours
AUTO 365P	Smog Inspector - Level 1 Training	84 hours
AUTO 365W	Smog Inspector - Level 2 Training	30 hours
<b>Total Hours Required .....</b>		<b>222</b>