

# Automotive Systems Technology

Career & College Promise Certificate

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## ABOUT THIS FIELD

Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field.



## WHAT YOU'LL STUDY

Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen.



## WHAT YOU CAN DO

Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry. The Automotive Systems Technology program prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. The program includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems.

### PROGRAM START DATES:

Fall or Spring Semester

### FOR MORE INFORMATION CONTACT:

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 828.339.4237

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### CLASSES YOU'LL NEED TO TAKE

#### CERTIFICATE - C60160CP

Total Semester Hour Credits: 18

#### FALL SEMESTER 1

Prefix	Number	Title	Class	Lab	Clinical	Credit
AUT	141	Suspension & Steering Systems	2	3	0	3
AUT	151	Brake Systems	2	3	0	3
AUT	151A	Brake Systems Lab	0	3	0	1
AUT	181	Engine Performance I	2	3	0	3
TRN	110	Introduction to Automotive	1	2	0	2
TRN	120	Basic Transportation Electricity	4	3	0	5
TRN	120A	Basic Transportation Electricity Lab	0	3	0	1

#### ELIGIBILITY CRITERIA-

1. Automotive CCP Students must be a junior or senior in high school.
2. Automotive classes require in-person instruction.
3. Students must have at least a 2.8 unweighted high school GPA OR a recommendation letter from the principal.
4. Students must complete the SCC paper application for high school students.

**For more information about the Career & College Promise initiative please visit,**

[www.SouthwesternCC.edu/career-and-college-promise](http://www.SouthwesternCC.edu/career-and-college-promise)

