



Career and College Promise

Automotive Systems Technology - Brakes and Alignment (C60160-11)

Automotive Systems Technology Specialization in Brakes and Alignment prepares the student to work entry level in a dealership or automotive repair facility. This pathway will take the student from very rudimentary safety practices and tool identification to performing basic service and repair of steering and suspension components, and, diagnosis and repair of various braking systems. Electrical theory, wiring diagrams, circuit testing and troubleshooting of the vehicle's charging and starting system are also covered in this course. Upon completion, students should be able to perform complete and thorough North Carolina State Safety and Emissions Inspections.

Course Code	Course Name	Credit Hours
TRN-110	Intro to Transport Technology	2.0
TRN-170	PC Skills for Transportation	2.0
AUT-141	Suspension and Steering Systems	3.0
AUT-141A	Suspension and Steering Lab	1.0
AUT-151	Brake Systems	3.0
AUT-151A	Brake Systems Lab	1.0
TRN-140	Transportation Climate Control	2.0
TRN-140A	Transportation Climate Control Lab	2.0
AUT-114	Safety and Emissions	2.0
	Total Credit Hours	18.0

Eligibility Requirements

To be eligible for enrollment, a high school student must meet the following criteria:

- a. Be a high school junior or senior;
- b. Have a weighted GPA of 3.0 on high school courses or have the recommendation of the high school principal or his/her designee; and
- c. Meet the testing requirements for the career pathway (if applicable).