AUTOMOTIVE

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Columbus Technical College offers automotive certificate programs that can be completed in just one to two semesters!

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PROGRAM OVERVIEW

Automotive Chassis Technician Specialist

This program provides the student with skills needed to enter the automotive industry as an entry-level chassis technician. Topics include: shop safety, basic electrical/electronic theory and diagnosis, chassis components and types, steering system components and service, alignment theory and procedures, and brake system operation, diagnosis and repair.

Program length is eighteen (18) credit hours.

Automotive Climate Control Technician

This program provides students with skills for entering the automotive service industry as an entry level climate control technician. Topics include: basic shop safety, electrical/electronic theory and diagnosis, and the theory, operation, diagnosis and servicing of automotive climate control systems.

Program length is fourteen (14) credit hours.

Auto Electrical/Electronic Systems Technician

This program provides knowledge and skills necessary to diagnose, service, and repair basic electrical/electronic automotive systems as an entry level technician. Topics include automotive shop safety, electrical theory and circuit diagnosis, automotive batteries, starting and charging systems, instrumentation, lighting, and various vehicle accessories.

Program length is nine (9) credit hours.

Automotive Engine Performance Technician

This program trains students to be entry-level automotive engine performance technicians. Topics include: shop safety, electrical/electronics diagnosis, and diagnosis and service of fuel, ignition, emission and electronic engine controls.

Program length is sixteen (16) credit hours.

Automotive Transmission/Transaxle Tech Specialist

Program graduates can be employed as an entry level transmission, transaxle, and drive line technician. Topics include: shop safety, basic electrical/electronic theory and diagnosis, manual transmission/transaxle operation and diagnosis, automatic transmission/transaxle operation and diagnosis, axles operation and diagnosis, differentials operation and diagnosis, and 4WD/AWD systems operation and diagnosis.

Program length is nine (9) credit hours.

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