

# MASTER AUTOMOTIVE SERVICE TECHNOLOGY ADVANCED CERTIFICATE

The Master Automotive Service Technology Advanced Certificate is designed to prepare students for a career in the automotive field. Students will learn both foundational and advanced automotive systems in order to diagnose, service, and maintain today's sophisticated vehicles. Upon successful completion of the program students will be prepared to take Automotive Service Excellence (ASE) Tests. The Automotive Service Technology Program is accredited by Automotive Service Excellence Education Foundation (ASEEF).

For more information about Automotive Service Technology, please visit the program page (<http://www.cod.edu/automotive/>).

## Certificate Requirements

Field of Study Code: AUTO.CER.ADV

Code	Title	Credits
<b>Program Requirements</b>		
AUTO 1110	Engine Design and Operation	3
AUTO 1120	Manual Drive Train and Axles	3
AUTO 1131	Automotive Electrical I	3
AUTO 1140	Suspension, Steering and Alignment	3
AUTO 1232	Automotive Electrical II	3
AUTO 1240	Braking Systems	3
AUTO 1250	Automotive Air Conditioning and Heating	3
AUTO 1261	Engine Controls & Emissions I	3
AUTO 2120	Automatic Transmission	3
AUTO 2133	Automotive Electrical III	3
AUTO 2140	Advanced Chassis Systems	3
AUTO 2162	Engine Controls and Emissions II	3
AUTO 2220	Advanced Automotive Drivetrains	3
AUTO 2280	Automotive Service	6
AUTO 2345	Automotive Hybrid Technology	2
AUTO 2365	Intro to Diesel Fuel Systems & Emissions	2
<b>Program Electives</b>		
Select one or more credits from the following:		1
AUTO 1040	Automotive for Non-Majors	
AUTO 1840	Independent Study	
AUTO 2364	Automotive ScanTool Usage & Exploration	
AUTO 2370	A.S.E. Certification Analysis & Tech	
AUTO 2840	Experimental/Pilot Class	
AUTO 2860	Internship (Career & Technical Ed)	
WELD 1100	Welding I	
<b>Total Credits</b>		<b>50</b>