

Northern Virginia Community College 2008-2009 Catalog

AUTOMOTIVE TECHNOLOGY:

Emissions Specialization

Associate of Applied Science Degree

AL, MA

Purpose: This curriculum is designed to train technicians for the automotive field. Students completing this program will be ready for full-time employment as automotive technicians. The occupational objectives include line technician, new car make-ready, and customer service representative.

Two Years		Credits
1st Semester		
AUT	100 Intro. to Automotive Shop Practices	2
AUT	111 Automotive Engines I	4
AUT	121 Automotive Fuel Systems I	4
ENG	111 College Composition I or ENG 131 Technical Report Writing I	3
PHY	101 Intro. to Physics I or MTH 151 Math for the Liberal Arts or PHY 130 Survey of Applied Physics	3-4
SDV	Elective	<u>1</u>
	Total	17-18
2nd Semester		
AUT	122 Automotive Fuel Systems II	4
AUT	215 Emissions Systems Diagnosis/Repair	2
AUT	241 Automotive Electricity I	4
ITE	115 Intro. to Computer Applications & Concepts	3
SPD	110 Intro. to Speech Communication	<u>3</u>
	Total	16
3rd Semester		
AUT	236 Automotive Climate Control	<u>4</u>
	Total	4
4th Semester		
AUT	141 Auto Power Trains I	4
AUT	242 Automotive Electricity II	4
AUT	267 Automotive Suspension and Braking Systems	4
¹ PED	116 Lifetime Fitness & Wellness	1
² ___	Social Science Elective	<u>3</u>
	Total	16
5th Semester		
AUT	142 Automotive Power Trains II	4
AUT	226 Advanced ASM Emissions Diagnostics	2
AUT	266 Automotive Alignment, Suspension & Steering	4
³ HIS	Elective	3
¹ PED/RPK	Elective	<u>1</u>
	Total	14

Total credits for the A.A.S. Degree in Automotive Technology with a Specialization in Emissions = 67-68.

¹ The PED requirement may be met by one of the following options: PED 116, 2 cr.; PED 116, 1 cr. plus a PED activities course, 1 cr.; or PED 116, 1 cr. plus RPK activities course. PED 116 is offered as both a 1-credit and a 2-credit course.

² The social science elective may be selected from the social/behavioral sciences courses listed under General Education Electives.

³ Select **only** from HIS 101, 102, 111, 112, 255, or 256.