

AUTOMOTIVE SYSTEMS TECHNOLOGY A60160

Program Planning Guide



Replaces Curriculum Schedule with Revision Date: FA2023

Date Revised: FA2025

CURRICULUM BY SEMESTER

			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
Semester 1					
AUT	114	Safety and Emissions	1	2	2
AUT	116	Engine Repair	2	3	3
TRN	110	Introduction to Transport Technology	1	2	2
TRN	170	PC Skills for Transportation	1	2	2
Choose 3 credits from the following: MAT/PHY					
MAT	110	Math Measurement and Literacy or	2	2	3
PHY	110	Physics Conceptual	3	0	3
PHY	110A	Physics Conceptual Lab	0	2	1
Major Elective- Choose 2 credit hours from the Major Elective List.					2
Total Semester Hours					14-15
Semester 2					
AUT	141	Suspension & Steering Systems	2	3	3
ENG	110	Freshman Composition	3	0	3
AUT	151	Brakes Systems	3	3	3
TRN	120	Basic Transportation Electricity	4	3	5
Major Elective- Choose 2 credit hours from the Major Electives List.					2
Total Semester Hours					16
Semester 3					
AUT	123	Powertrain Diagnosis & Service	1	3	2
AUT	213	Automotive Servicing 2	1	3	2
TRN	140	Transportation Climate Control	1	2	2
HUM	121	The Nature of America	3	0	3
Total Semester Hours					9
Semester 4					
AUT	231	Manual Transm/Transaxles/Drive Trains	2	3	3
AUT	183	Engine Performance 2	2	6	4
AUT	181	Engine Performance 1	2	3	3
PSY	118	Interpersonal Psychology	3	0	3
Major Elective-Choose 2 credit hours from Major Electives list.					2
Total Semester Hours					15
Semester 5					
AUT	221	Automatic Transmissions/Transaxles	2	3	3
AUT	281	Advanced Engine Performance	2	2	3
COM	120	Intro to Interpersonal Communication	3	0	3
Major Elective-Choose 2 credit hours from the Major Electives list.					2
Total Semester Hours					11
Total Graduation Credit Requirement					65-66

Major Elective List: Students must select eight semester hours from the Major Electives courses listed below. Completing these elective courses will complete the requirements for the Automotive Degree. We do not promise to offer any of these specific courses in both Fall and Spring semesters.

MAJOR ELECTIVES					
			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
Major Electives		Credit Hours Needed: 8			
ATT	115	Green Trans Safety and Service	1	2	2
ATT	125	Hybrid-Electric Transportation	2	4	4
ATT	140	Emerging Transportation Technology	2	3	3
AUT	116A	Engine Repair Lab	0	3	1
AUT	141A	Suspension & Steering Lab	0	3	1
AUT	151A	Brake Systems Lab	0	3	1
AUT	181A	Engine Performance 1 Lab	0	3	1
AUT	221A	Automatic Transmissions/Transaxles Lab	0	3	1
HET	134	Diesel Fuel and Power System	2	3	3
TRN	120A	Basic Transportation Electrical Lab	0	3	1
TRN	140A	Transportation Climate Control Lab	1	2	2
TRN	180	Basic Welding for Transportation	1	4	3
TRN	180A	Basic Welding for Transportation Lab	0	3	1
WBL	112	Work-Based Learning I	0	20	2
WBL	122TB	Work-Based Learning II	0	20	2
WBL	212TB	Work-Based Learning IV	0	20	2
WBL	222TB	Work-Based Learning V	0	20	2