

AUTOMOTIVE SYSTEMS TECHNOLOGY A60160

Program Planning Guide



Replaces Curriculum Schedule with Revision Date: FA2023

Date Revised: FA2025

CURRICULUM BY SEMESTER

Course No.	Course Title	Hours Per Week			Credits
		Class	Lab		
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

Course No.	Course Title	Hours Per Week		
		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