

**PROGRAM PLANNING GUIDE**

**AUTOMOTIVE SYSTEMS TECHNOLOGY**

**A60160**

**Replaces Curriculum Schedule with Revision Date: FA2019**

**Date Revised: FA2021**

**CURRICULUM BY SEMESTER**

Course No.			Course Title			Hours Per Week		
						Class	Lab	Credits
<b>Semester 1</b>								
AUT	114	Safety and Emissions				1	2	2
AUT	116	Engine Repair				2	3	3
MAT	110	Math Measurement and Literacy				2	2	3
TRN	110	Introduction to Transport Technology				1	2	2
TRN	170	PC Skills for Transportation				1	2	2
		Major Elective						2

<b>Semester 2</b>								
AUT	231	Manual Transm/Transaxles/Drive Trains				2	3	3
ENG	110	Freshman Composition				3	0	3
HUM	121	The Nature of America				3	0	3
TRN	120	Basic Transportation Electricity				4	3	5
		Major Elective						2

<b>Semester 3</b>								
AUT	123	Powertrain Diagnosis & Service				1	3	2
AUT	213	Automotive Servicing 2				1	3	2
TRN	140	Transportation Climate Control				1	2	2
TRN	140A	Transportation Climate Control Lab				1	2	2

<b>Semester 4</b>								
AUT	141	Suspension & Steering Systems				2	3	3
AUT	151	Brake Systems				2	3	3
AUT	181	Engine Performance 1				2	3	3
PSY	118	Interpersonal Psychology				3	0	3
		Major Elective						2

<b>Semester 5</b>								
AUT	183	Engine Performance 2				2	6	4
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						2

**Graduation Requirement Credit Hours: 67**

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<b>MAJOR ELECTIVES</b>								
<b>Course No.</b>			<b>Course Title</b>			<b>Hours Per Week</b>		
						<b>Class</b>	<b>Lab</b>	<b>Credits</b>
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	
WBL	112	Work-Based Learning I			0	20	2	
WBL	122	Work-Based Learning II			0	20	2	
WBL	212	Work-Based Learning IV			0	20	2	
WBL	222	Work-Based Learning V			0	20	2	