

Automotive Systems Technology AAS (A60160) – 66-67 Credit Hours

2018-2019

Fall – 1 st Year				
Course Number	Course Name	Lec	Lab	Credit
AUT 141	Suspension & Steering Systems ★	2	3	3
AUT 151	Brake Systems ★	2	3	3
CIS 110	Introduction to Computers (S)	2	2	3
ENG 111	Writing and Inquiry (S)	3	0	3
TRN 110	Intro to Transportation Technology	1	2	2
Total				14

Fall – 2 nd Year				
Course Number	Course Name	Lec	Lab	Credit
AUT 114	Safety & Emissions	1	2	2
AUT 181	Engine Performance 1	2	3	3
AUT 163	Advanced Auto Electricity ★	2	3	3
AUT 231	Manual Transmission/Axle Drivetrains ★	2	3	3
	Natural Sciences/Math Elective			3-4
	Social/Behavioral Sciences Elective	3	0	3
Total				17-18

Major Electives				
Course Number	Course Name	Lec	Lab	Credit
WBL 111	Work-Based Learning I <i>and</i>	0	10	1
WBL 115	Work-Based Learning Seminar I	1	0	1

★ - Designates classes preparing students to sit for specific ASE certification tests

Spring – 1 st Year				
Course Number	Course Name	Lec	Lab	Credit
TRN 120	Basic Transportation Electricity (S)	4	3	5
AUT 116	Engine Repair (S)	2	3	3
AUT 116 A	Engine Repair Lab (S) ★	0	3	1
TRN 140	Transportation Climate Control (S) ★	1	2	2
TRN 180	Basic Welding for Transportation (S)	1	4	3
	Communications Elective			3
Total				17

Spring – 2 nd Year				
Course Number	Course Name	Lec	Lab	Credit
AUT 183	Engine Performance 2 ★	2	6	4
AUT 221	Auto Transmission/ Transaxles ★	2	3	3
AUT 281	Advanced Engine Performance	2	2	3
TRN 145	Advanced Transportation Electronics	2	3	3
	Humanities/Fine Arts Elective	3	0	3
	Major Elective	1	10	2
Total				18

(S) – Designates recommended classes for students starting in spring of the first year