

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

2022-2023

Fall – 1 st Year				
Course Number	Course Name	Lec	Lab	Credit
AUT 141	Suspension & Steering Systems ★ (A)	2	3	3
AUT 151	Brake Systems ★ (A)	2	3	3
	Social/Behavioral Sciences Elective	3	0	3
TRN 110	Intro to Transportation Technology (A)	1	2	2
TRN 120	Basic Transportation Electricity	4	3	5
Total				16

Spring – 1 st Year				
Course Number	Course Name	Lec	Lab	Credit
ENG 111	Writing and Inquiry (S)	3	0	3
AUT 116	Engine Repair (S) (A)	2	3	3
AUT 116 A	Engine Repair Lab (S) ★ (A)	0	3	1
TRN 140	Transportation Climate Control (S) ★	1	2	2
TRN 180	Basic Welding for Transportation (S) (A)	1	4	3
	Communications Elective			3
Total				15

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
CIS 110	Introduction to Computers (A) <i>or</i> <i>Choose one of the following groups:</i>	2	2	3
WBL 110	World of Work <i>and</i> ★★	0	0	1
WBL 111	Work-Based Learning I <i>and</i> ★★	0	10	1
WBL 115	Work-Based Learning Seminar I ★★	1	0	1
	<i>or</i>			
WBL 112	Work-Based Learning I <i>and</i> ★★	0	20	2
WBL 115	Work-Based Learning Seminar I ★★	1	0	1
Total				17-18

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
ATT 140	Emerging Transp. Tech.	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
 ★★ – Students must speak with the Director of Work-Based Learning before selecting WBL courses.

Major Electives				
Course Number	Course Name	Lec	Lab	Credit
AUB 111	Painting & Refinishing I (A)	2	6	4
AUB 121	Non-Structural Damage I (A)	1	4	3
AUB 162	Autobody Estimating (A)	1	2	2
LDD 112	Intro Light-Duty Diesel	2	2	3
LDD 181	LDD Fuel Systems	2	6	4

★ - Designates classes preparing students to sit for specific ASE certification tests
 (A) – Students may receive credit for this course by successfully completing the articulated non-credit course, or submitting evidence of an articulated industry certification.
 See: <https://spcc.edu/credit-articulation-at-spcc/>