

3rd Semester		AAS	AR	NS	SC
AUBO 124	Automotive Industry Collision Repair I	5		5	
AUBO 126	Automotive Industry Collision Repair II	5		5	
AUBO 127	Frame and Structural Repair	5			5
AUBO 128	Structural Panel Replacement	5			5
AUBO 230	Body Shop Management I		5		
AUBO 231	Body Shop Management II		5		
COMM 110	Public Speaking OR				
COMM 111	Interpersonal Communication		3	3	3
ENGL 118	Technical Composition	3			
	Total	23	13	13	13
4th Semester		AAS	AR	NS	SC
AUBO 230	Body Shop Management I	5			
AUBO 231	Body Shop Management II	5			
ENGL 218	Advanced Technical Composition	3			
COMM 110	Public Speaking OR				
COMM 111	Interpersonal Communication	3			
	Humanities/Social Science Elective	3			
	Total	19	0	0	0
	Total Credits	89	39	39	39

AUTOMOTIVE SERVICE EDUCATION PROGRAM (ASEP) Associate of Applied Science Degree and Certificates

This two-year Associate of Applied Science degree is supported by General Motors. Because of their support, students in the San Juan College ASEP program will receive instruction in current General Motors technology. The first phase of training in each subject area will be taught at San Juan College with the last phase taught at a sponsoring General Motors dealership. This type of rotation continues for the duration of the ASEP program. This program is available by pre-selection only.

Note: This program requires that the student purchase his/her own tools. To obtain a list of the required tools, contact the Automotive Department.

Note: If the program starts in an odd numbered year, the first co-op will be in the first semester. If the program starts in an even numbered year, the first co-op will be in the second semester.

Note: A student must earn a grade of C or higher in all courses required for the program in order to receive a degree or certificate.

AAS = Associate of Applied Science

DM = Domestic Manufacturers Certificate

E= Electrical, Emissions and Performance Technician

H = Automotive Heavy Line Technician

L = Light Line Repair Technician

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Associate of Applied Science Degrees and Certificates

Recommended course sequencing for first-time students

1st Semester		AAS	DM	E	H	L
ASEP 110	GM Shop Fundamentals and Safety	1	1			
ASEP 120	GM Electrical and Ignition Systems	7	7	7		
ASEP 125	General Motors Hybrid Technology	3	3	3		
MATH 113	Math for Technical Careers	3	3			
Total		14	14	10	0	0
2nd Semester		AAS	DM	E	H	L
ASEP 130	GM Fuel and Emission Systems	4	4	4		
ASEP 135	General Motors Vehicle Networks	3	3	3		
ASEP 140	GM Drivability	4	4	4		
TECH 110	Industrial Technology I	4				
ENGL 118	Technical Composition	3	3			
ASEP 280	GM Cooperative Work Education*	4	4	4		
ASEP 145	ASE Tests**	1	1			
Total		23	19	15	0	0
3rd Semester		AAS	DM	E	H	L
ASEP 150	Engines and Related Systems	4	4		4	
ASEP 155	General Motors Advanced Air Induction Systems	2	2		2	
ASEP 160	Heating and Air Conditioning	2	2			2
ASEP 165	General Motors Advanced HVAC Diagnosis	3	3			3
COSC 135	Computer/Basic Management	3				
ASEP 281	GM Cooperative Work Education*	4	4	4		
Total		18	15	4	6	5
4th Semester		AAS	DM	E	H	L
ASEP 172	General Motors Automatic Trans.	6	6		6	
ASEP 175	General Motors Manual Trans.	5	5		5	
ENGL 218	Advanced Technical Composition	3				
PSYC 115	Interpersonal and Career Development	3	3			
ASEP 282	GM Cooperative Work Education*	4	4		4	4
Total		21	18	0	15	4
5th Semester		AAS	DM	E	H	L
ASEP 180	GM Brake Systems	4	4			4
ASEP 185	General Motors ABS Brakes and Trac. Control	1	1			1
ASEP 190	GM Steering and Suspension	4	4			4
ASEP 195	General Motors Computer Controlled Suspension	1	1			1
ASEP 146	ASE Tests**	1	1			
COMM 111	Interpersonal Communication OR					
COMM 120	Business and Professional Communication	3	3			
ASEP 283	GM Cooperative Work Education*	4	4		4	
Total		18	18	0	4	10
Total Credits		94	84	29	21	19

* A total of 8 of 16 credit hours MUST be earned from ASEP 280, 281, 282, and 283 to qualify for the certificate. Two of the four co-op courses must be completed satisfactorily.

** A student MUST have passed a minimum of two ASE certification tests to earn the certificate.

AUTOMOTIVE TECHNOLOGY

Associate of Applied Science Degree and Certificates

The Automotive Technology program provides the student with the necessary skills and knowledge to enter the field of automotive service and repair. The program is flexible to allow students to enter at the beginning of any semester and plan a schedule around his/her needs. Students receive satisfactory achievement ratings by successfully performing actual on-the-job tasks.

Note: This program requires that the student purchase his/her own tools. To obtain a list of the required tools, contact the program instructor.

Note: A student must earn a grade of C or higher in all courses required for the program in order to receive a degree or certificate.

AAS = Associate of Applied Science

AT = Automotive Technology Certificate

E = Electrical, Emissions and Performance Technician

H = Automotive Heavy Line Technician

L = Light Line Repair Technician

Recommended course sequencing for first-time students

1st Semester		AAS	AT	E	H	L
**AUTE 111*	Steering and Suspension	5	5			5
**AUTE 112*	Brakes	5	5			5
**AUTE 113	Basic Electrical	4	4	4		
MATH 113	Math for Technical Careers	3	3			
Total		17	17	4	0	10
2nd Semester		AAS	AT	E	H	L
**AUTE 115*	Manual Drive Train and Transaxles	6	6		6	
**AUTE 116*	Automatic Transmission and Transaxles	6	6		6	
ENGL 118	Technical Composition	3	3			
COMM 110	Public Speaking OR					
COMM 111	Interpersonal Communication OR					
COMM 120	Business and Professional Communication	3				
Total		18	15	0	12	0
3rd Semester		AAS	AT	E	H	L
**AUTE 118*	Engine Repair	8	8		8	
**AUTE 119*	Heating and Air Conditioning	4	4			4
ENGL 218	Advanced Technical Composition	3				
	Humanities/Social Science Elective	3				
Total		18	12	0	8	4

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