

This program is designed as an apprenticeship program for those interested in a job as an automotive service writer/consultant. The academic courses may be taken prior to or in conjunction with the automotive courses. Dealerships are particularly interested in female service writers as women are under-represented in the automotive service field. All entrance eligibility requirements for the certificate program are the same as the degree programs.

All tracks are filled on a first-come, first-served basis, dependent upon satisfactory MVR, criminal background checks, and drug screening.

Students wishing to pursue the two-year degree or the certificate programs must be signed into courses by the program director at the beginning of each semester to ensure that they are on track academically to graduate in the prescribed two-year period. Classes for the corporate tracks will be filled with dealer sponsored students first. General program students may be allowed to fill any remaining seats. All students, regardless of their chosen track, should be aware of automotive repair industry expectations, specifically that technicians must drive customers' vehicles as part of the repair process; thus, the technician and the student must have a clean motor vehicle record and valid driver's license. The hiring process at reputable repair shops and dealerships will include a drug screen and a thorough background investigation.

Required Courses	Credits	Pre or Co Reqs Rqd	Course Availability		
			Fall	Spr	Sum
General Education Courses					
• ASE 264 - Introduction Automotive Heating and Air Conditioning (1 Cr.)	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Required Courses					
• ASE 101 - Auto Shop Orientation (2 Cr.)	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• ASE 110 - Automotive Brake Service I (2 Cr.)	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• ASE 111 - Automotive Brake Service II (2 Cr.)	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• ASE 120 - Basic Automotive Electricity (2 Cr.)	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• ASE 123 - Starting and Charging System (2 Cr.)	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• ASE 130 - General Engine Diagnosis (2 Cr.)	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• ASE 134 - Automotive Fuel and Emissions Systems I (2 Cr.)	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• ASE 140 - Suspension and Steering I (2 Cr.)	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• ASE 150 - Manual Drive Train and Axle Maintenance (2 Cr.)	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• ASE 160 - Automotive Engine Repair (2 Cr.)	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• ASE 161 - Engine Repair & Rebuild (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• ASE 170 - Laboratory Experience I (2 Cr.)	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• ASE 171 - Laboratory Experience II (4 Cr.)	4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• ASE 172 - Laboratory Experience III (2 Cr.)	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• ASE 233 - Auto Fuel Injection and Emissions Systems II (4 Cr.)	4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• ASE 250 - Automatic Transmission/Transaxle Service (1 Cr.)	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• COM 115 - Public Speaking* OR COM 125 - Interpersonal Communication (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
• ELT 146 - Digital Devices in Computers (3 Cr.)	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



Academic Plan
Certificate
Automotive Service Management

49 Credits

Catalog Year: 2021/2022

• ENG 121 - English Composition GT-CO1 OR ENG 131 - Technical Writing GT-CO1*	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
• MAN 226 - Principles of Management (3 Cr.)	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Pre-Requisites, Co-Requisites, and Recommendations (grade C or better required)

Where requirements are listed as course categories (e.g. Electives, Arts/Humanities) rather than as specific courses, please note that depending upon course choice, pre-requisites may be required.

ASE 111 - Automotive Brake Service II (2 Cr.)

- Pre-Requisite: ASE 110 - Brakes I

ASE 123 - Starting and Charging System (2 Cr.)

- Pre-Requisite: ASE 120 - Basic Automotive Electricity

ASE 134 - Automotive Fuel and Emissions Systems I (2 Cr.)

- Pre-Requisite: ASE 231 - Automotive Computers and Ignition Systems

ASE 170 - Laboratory Experience I (2 Cr.)

- Pre-Requisite: ASE 120 - Basic Automotive Electricity

ASE 171 - Laboratory Experience II (4 Cr.)

- Pre-Requisite: ASE 120 - Basic Automotive Electricity

ASE 172 - Laboratory Experience III (2 Cr.)

- Pre-Requisite: ASE 120 - Basic Automotive Electricity

ASE 233 - Auto Fuel Injection and Emissions Systems II (4 Cr.)

- Pre-Requisite: ASE 120 - Basic Automotive Electricity
- Pre-Requisite: ASE 134 - Automotive Fuel and Emissions Systems I
- Pre-Requisite: ASE 231 - Automotive Computers and Ignition Systems

ELT 146 - Digital Devices in Computers (3 Cr.)

- Pre-Requisite: ASE 221 - Automotive and Diesel Body Electrical
- Pre-Requisite: ELT 106 - Fundamentals of DC/AC OR ASE 120 - Basic Automotive Electricity OR ASE 123 - Starting and Charging System OR ASE 170 - Laboratory Experience I OR ASE 171 - Laboratory Experience II, OR ASE 172 - Laboratory Experience III

ENG 121 - English Composition GT-CO1 OR ENG 131 - Technical Writing GT-CO1*

- Co-Requisite: CCR 094 - Studio 121

Notes

- *This course requires college level readiness as measured by Accuplacer, ACT, or SAT scores; approved high school course work that is less than five years old; or successful completion of appropriate college-readiness course.
- In order to meet program requirements, students registered for ENG 121 or ENG 131 must also register for CCR 094 unless they can demonstrate otherwise meeting the CCR 094 standard through assessment testing, prior college coursework, or recent High School coursework. See an Advisor for details.
- The automotive program requires full-time attendance.
- This certificate is in addition to the degree and cannot be taken separately. Please see Associate of Applied Science degree sheet for more information.

Graduation Requirements

- To graduate, students must apply for graduation and complete the graduation survey (available at www.arapahoe.edu/departments-and-programs/graduation)

RECOMMENDED COURSE SEQUENCE FULL-TIME TRACK

Year 1: Summer	Credits	Course
	2	ASE 101 - Auto Shop Orientation (2 Cr.)
	1	ASE 250 - Automatic Transmission/Transaxle Service (1 Cr.)
	1	ASE 264 - Introduction Automotive Heating and Air Conditioning (1 Cr.)
	3	COM 115 - Public Speaking OR COM 125 - Interpersonal Communication (3 Cr.)
		~Recommended Communication Course(s)~ COM 115 - Public Speaking* (3 Cr.)
	3	MAN 226 - Principles of Management (3 Cr.)
Year 1: Fall	Credits	Course
	2	ASE 123 - Starting and Charging System (2 Cr.)
	2	ASE 130 - General Engine Diagnosis (2 Cr.)
	2	ASE 170 - Laboratory Experience I (2 Cr.)
	4	ASE 171 - Laboratory Experience II (4 Cr.)
	2	ASE 172 - Laboratory Experience III (2 Cr.)
Year 1: Spring	Credits	Course
	2	ASE 110 - Automotive Brake Service I (2 Cr.)
	2	ASE 111 - Automotive Brake Service II (2 Cr.)
	2	ASE 140 - Suspension and Steering I (2 Cr.)
	2	ASE 150 - Manual Drive Train and Axle Maintenance (2 Cr.)
	2	ASE 160 - Automotive Engine Repair (2 Cr.)
	3	ASE 161 - Engine Repair & Rebuild (3 Cr.)
Year 1: Summer	Credits	Course
	2	ASE 120 - Basic Automotive Electricity (2 Cr.)
Year 2: Fall	Credits	Course
	2	ASE 134 - Automotive Fuel and Emissions Systems I (2 Cr.)
	4	ASE 233 - Auto Fuel Injection and Emissions Systems II (4 Cr.)
	3	ELT 146 - Digital Devices in Computers (3 Cr.)
	3	ENG 121 - English Composition GT-CO1 OR ENG 131 - Technical Writing GT-CO1
		~Recommended English Course(s)~ ENG 131 - Technical Writing I: GT-CO1* (3 Cr.)



RECOMMENDED COURSE SEQUENCE PART-TIME TRACK