Certificate/AS-Automotive Technology (Driveability, Emissions Electrical) 19-20



Recommended Program Sequence

All courses with a + sign indicate a pre-requisite or co-requisite

Term 1 (Semester: Maximum 19 units, 15 units recommended)			Units	Term 5 (Semester: Maximum 19 units, 15 units red	commended)	Units
Daytime: AUTO 150, Auto. Electrical		10	Daytime: AUTO 278, Program Elective onl	y offered in the evening	4	
Nighttime:	Nighttime: AUTO 151, Chassis & Body Elec. Sys.		4	Nighttime: Auto 153, Starting & Ch	arging Systems	2
Nighttime:	AUTO 176, Carburetor Fuel Sys.		2	Nighttime: Auto 177, Electronic F	uel Injection	4
General Education Area E (Additional Breadth)		3	General Education Area B (Social Science)		3	
General Education Area D1 (English 101)			3	General Elective		3
Nighttime:	General Elective		3	Daytime/Nighttime: General Elective		4/3
** These courses intended	for night students	Day/Night Total	16/15		Day/Night Total	14/15
Term 2: (Intersession(6/3)-Summer (9/6) Max./Recommended uni		its)	Term 6: (Intersession(6/3)-Summer (9/6) Max./Red	commended units)		
Term 3 (Semester: Maximum 19 units, 15 units recommended)			Units	Term 7 (Semester: Maximum 19 units, 15 units red	commended)	Units
Daytime:	AUTO 175, F	AUTO 175, Fuel Emissions		Daytime: AUTO 277, Program Elective onl	y offered in the evening	4
	Systems & Ca. Cl	ean Air Car Crs.		Day or Nighttime: AUTO 276**, California (Clean Air Course	8
Nighttime:	AUTO 152, Ign	itions Systems	2	Nighttime: Program Elective (If needed)	or General Elective	3
General Education Area D2 (Communication & Critical Thinking)			3	General Education Area F (Diversity Studies)		3
General Education Area C (Humanities)			3	General Education Area A (Science)		3
Nighttime: General Elective		7				
Order for classes and time to complet	e may vary for night students	Day/Night Total	16/15		Day/Night Total	17/18

Take Summer or Intersession classes if needed to complete the program in a timely manner.

The state requires all students to have a Comprehensive Educational Plan. Make a counseling appointment as soon as enrollment is established on any term. Come by the Counseling Center or call.

	_	Counseling Center or call.
Driveability, Emissions & Electrical: Certificate/Major Required		other requirements for Engine & Drive Trains degree
AUTO 150, Automotive Electrical Systems or AUTO 151**,		General Education 21-27
Automotive Chassis & Body Electrical Systems and		Proficiency (See Proficiency Requirements) *
AUTO 152**, Automitive Ignition Systems <i>and</i> AUTO 153,		Electives 2-8
Automotive Starting & Charging Systems		Minimum Units Required for AS Degree 60
AUTO 175, Automotive Fuel, Emissions Systems & California		-
Clean Air Car Course <i>or</i> AUTO 276**, Calif. Clean Air Course		D1, D2, E, and F. Minimum Total GE Units Required 21
and AUTO 176**Automotive Carburetor Fuel Systems and		Area A Natural Sciences: (min. 3 units)
AUTO 177**, Electrical Fuel Injections		ANTH 101, 101L
Program Electives	2-8	ASTR 101+, 101L+
Program Electives Courses: Complete 3 to 8 units		BIOL 100, 101+, 101L+, 102, 103, 104, 110+, 120+, 201+, 202+, 204+, 205+
AUTO 277, Electrical Engine Controls-General Motors Systems	4	CHEM 101+, 102+, 110+
AUTO 278, Electrical Engine Controls-Ford/Chrysler Systems	4	ELTE 101
WELD 101, Welding Fundamentals (Not offered)	2	ERSC 101+
Units Required for the Certificate/Major:	26	GEOG 101+, 101L+, 102, 102L+
other requirements for degree		GEOL 101+, 101L+, 102+, 102L+
General Education	21-27	PHYS 101, 102+, 110+, 120+, 211+
Proficiency (See Proficiency Requirements)	*	PSCI 101
Electives	2-8	Area B Social & Behavioral Sciences: (min. 3 units)
Minimum Units Required for AS Degree	60	AJ 201, 204, 206
ASE CERTIFICATION: AVC is not a testing site. Suggested courses for the	he	ANTH 102, 103, 112, 140
*Automotive Service Excellence General Auto Mechanic Certification (AS	E) test:	BUS 101
AUTO 110, Automotive (Fall only)	10	CFE 102
AUTO 125, Automotive Chassis (Spring only)	10	COMM 217+
AUTO 128, Auto. Power Trains (Fall only)		DFST 105
AUTO 150, Auto. Electrical Systems (Fall only)	10	ECON 100, 101+, 102+, 110
AUTO 152, Auto. Ignition Systems (Spring only)	2	GEOG 105, 106, 110
AUTO 175, Auto. Fuel, Emission Systems, and California Clean Air	10	HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116, 118, 119
Car Course (Spring only)		POLS 101, 103, 200, 201+, 202+, 203+
AUTO 231, Automatic Transmissions (Spring only)	2	PSY 101, 201+, 212+, 230+, 232, 233+, 234+, 235+, 236+
AUTO 232, Automatic Transmissions (Fall only)	2	SOC 101, 105, 110, 111, 112, 115, 116, 120
Units Required for the Certificate:	_	Area C Humanities: (min. 3 units)
* Two years experience as a mechanic are required for the ASE		ART 100, 101, 102, 103, 104, 106, 110, 113, 120, 132, 135, 136+, 137+, 140, 145, 150, 163+,
certificate. A two-year full-time college program will suffice for o	ne	170+, 210+, 213+
year of experience.		CHIN 101, 102+, 201+, 202+
•		COMM 103, 112, 114, 214+
		DA 101
		DFST 101, 102+, 105, 106, 201+, 202+

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ENGL 102, 111+, 112+, 221+, 222+, 225+, 227+, 230+, 231+, 235+, 242+,

253+, 256+, 257+, 259+, 265+, 279+

FREN 101, 102+, 201+, 202+, 203+

FTV 101, 103, 107, 108, 201, 203, 241, 251, 261

GER 101, 102+, 201+, 202+

HIST 115

ID 150, 201

LATN 101, 102+, 201+

MUS 101, 105, 111, 131, 132+, 151+, 153+, 185+, 231+, 232+, 251A+, 251B+,

253A+, 253B+

MUSC 102, 103, 107,108

PHIL 105, 106, 108, 109

PHOT 107

PHTC 101, 150+, 201+

SPAN 101, 110SS, 102+, 201+, 202+, 210SS+, 220SS+

THA 101, 102, 103, 110, 115A, 115B+, 116A+, 116B+, 117A+, 117B+, 118A+,

118B+, 121A, 121B, 130, 133, 225,+, 239

Area D Language & Rationality: (min. 3 units from (1) and 3 units from

1. Academic Composition: Courses fulfilling the written composition requirement shall be designed to include both expository and argumentative writing.

2. Communication and Analytical Thinking

BUS 113+

CA 103

CIS 101, 111, 141, 157, 161

COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+

ENGL 102+, 103+

GEOG 201, 205

MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+

150+, 160+, 220+, 230+, 250+

PHIL 101, 106, 110, 201+

HD 100, 101, 102, 103, 105

Area E - Additional Breadth: (min. 3 units)

MUSC 108 From areas A**, B**, C**, D2, ** or NF 100, 102, 103, 110, 150 HE 101, 120, 201 CFE 102 COMM 103, 107, 219+ ID 100, 120 PSY 212 **DFST 105 KINT 100** SOC 111, 116

LIB 107, 110 Any DA activity course(s) from DA102-205, except DA 107A-C, 108, 109, and 111. Any Kinesiology Fitness (KINF) activity course, Intercollegiate Athletics (IATH) activity course, or up to 4 units for military experience.

** Courses must be taken from a discipline not previously selected

Area F Diversity Studies: (min. 3 units)

ANTH 102, 112	FTV 201, 203
BUS 212	HE 201+
CFE 116+	HIST 110, 111, 113
COMM 114, 217+, 219+	MUSC 107, 108
DFST 105, 106	POLS 202+
ECON 110	SOC 105, 110, 116
ENGL 250+, 253+, 256+, 257+, 259+	THA 239

Grade Point Average Requirement: An overall grade point average of 2.0 ("C" average) is required.

Proficiency Requirements:

roficiency requirements exist for the areas of Reading, Writing and Math. Students must lemonstrate competency in each of these areas in order to be eligible for the associate degree.

A. READING: Complete ENGL 101 with a "C" or better or completion of READ 099 with a minimum grade of "P" (Pass), or completion of an Associate Degree or higher from a regionally accredited institution of higher education.

B. WRITING: Completion of ENGL 101 with a minimum grade of "C." NOTE: ENGL 101 may be taken with the Pass/No Pass option; however, students are cautioned that other colleges and universities may not accept ENGL 101 courses taken on a Pass/No Pass basis, especially for satisfaction of general education and major requirements. Students planning to transfer should check college catalogs for applicable policies.

C. MATHEMATICS: Completion of MATH 102 or higher or CIS 121 with a satisfactory grade or placement by AVC assessment into a math course higher than MATH 102.

Fulfilling proficiencies will not require any extra units if the competencies are demonstra-ted by including the required courses in the general education, or major requirements, or by satisfying the reading proficiency through AVC's policy.

Electives: The remaining number of units (up to a minimum of 60) are considered electives. Any course that has already been counted toward (1) the general education requirements, or (2) the major, cannot be used as an elective. Any course with a designation of "AVC" at the end of course description can be used as an elective

Double Counting: While a course might satisfy more than one general education requirement, it may not be counted more than once for these purposes. A course may be used to satisfy both general education requirement and a major or area of emphasis requirement.

• Residency: Minimum of 12 units completed at AVC with a minimum of 9 of those units completed from the certificate/major, (credit earned by examination will not be included in these 12 units) Title 5, Section 54000:http://ccr.oal.ca.gov

Requirements for Two or More Associate Degrees: To be eligible for multiple associate degrees, a student must have completed all of the graduation requirements for each degree.

Transfer: Students planning to continue studies at a four-year college or university after AVC should visit the Transfer Resource Center or the Counseling Center and consult with a counselor as soon as possible to develop a plan of studies. Additional preparation for the major information on official transfer articulation agreements from AVC to many CSU/UC campuses can be found at the following Web site: www.assist.org

The "Catalog Rights Policy" sets forth the criteria used for determining the degree requirements under which students may graduate. Please refer to the AVC Catalog for a detailed description or consult with a counselor.

Advisory: A condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program.

Prerequisite: A condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. Prerequisites are enforced and a student will be blocked from enrolling or involun-tarily dropped after enrolling if the student does not meet the stated prerequisite. A student must complete a course prerequisite with a satisfactory grade of A, B, C or P (pass).

Corequisite: A condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. Corequisites are enforced and a student will be blocked from enrolling if the student does not meet the stated corequisite.