



Certificate/AS-All Automotive Systems (DRAFT) 23-24

Recommended Plan of Study - Counseling

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

This Program is PENDING Approval

| Term 1 (Fall/Spring: Max. 19 units, 12-15 u. recommended) | Units | Term 4 (Fall/Spring: Max. 19 units, 12-15 u. recommended) | Units |
|---|-----------|---|-----------|
| AUTO 100+, Introduction to Automotive Technology | 4 | AUTO 220+, Automatic Transmissions and Transaxles | 5 |
| AUTO 160+, Automotive Electrical Fundamentals | 4 | AUTO 230+, Manual Transmissions, Transaxles, and Drivelines | 4 |
| General Education Area A (Science) #PSCI 101 | 4 | AUTO 280+, Automotive Engine Performance | 5 |
| | | General Education Area D1 (English 101) | 3 |
| Total | 12 | Order for classes and time to complete may vary for night students | |
| | | Total | 17 |
| Term 2 (Fall/Spring: Max. 19 units, 12-15 u. recommended) | Units | Term 5 (Fall/Spring: Max. 19 units, 12-15 u. recommended) | Units |
| AUTO 211+, Automotive Engines Operation & Repair | 6 | AUTO 240+, Automotive Suspension and Steering | 6 |
| AUTO 260+, Automotive Electrical Systems | 5 | AUTO 250+, Automotive Breaks Systems | 5 |
| General Education Area B (Social Science) | 3 | General Education Area E (Additional Breadth) # COMM 107 | 3 |
| Total | 14 | Total | 14 |
| Term 3 (Fall/Spring: Max. 19 units, 12-15 u. recommended) | Units | Term 5 (Fall/Spring: Max. 19 units, 12-15 u. recommended) | Units |
| AUTO 270+, Automotive Heating and Air Conditioning | 4 | General Education Area F (Diversity Studies) | 3 |
| General Education Area C (Humanities) # PHIL 105 | 4 | General Education Area D2 (Communication & Analytical Thinking) #PHIL 101 | 3 |
| (Summer: Max. 15 units, 12 units recommended) | | Total | 6 |
| Total | 8 | Graduate | |

Take Summer 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. Online Counseling is available: <https://www.avc.edu/student-services/counseling>

| Automotive Systems: Certificate/Major-Complete All Courses | Units | other requirements for Engine & Drive Trains degree |
|---|-----------|--|
| AUTO 100, Introduction to Automotive Technology | 4 | General Education |
| AUTO 160, Automotive Electrical Fundamentals | 4 | Proficiency (See Proficiency Requirements) |
| AUTO 211+, Automotive Engines Operation & Repair | 6 | Electives |
| AUTO 220+, Automatic Transmissions and Transaxles | 5 | 21-27 |
| AUTO 230+, Manual Transmissions, Transaxles, and Drivelines | 4 | * |
| AUTO 240+, Automotive Suspension and Steering | 6 | 2-8 |
| AUTO 250+, Automotive Breaks Systems | 5 | Minimum Units Required for AS Degree |
| AUTO 260+, Automotive Electrical Systems | 5 | 60 |
| AUTO 270+, Automotive Heating and Air Conditioning | 4 | AS General Education: At least 3 units from each of the following areas below: A, B, C, D1, D2, E, and F. Minimum Total GE Units Required: 21 |
| AUTO 280+, Automotive Engine Performance | 5 | Area A Natural Sciences: (min. 3 units) |
| Units Required for the Certificate/Major: | 48 | ANTH 101, 101L |
| <i>other requirements for degree</i> | | ASTR 101+, 101L+ |
| General Education | 21-27 | BIOL 100, 101+, 101L+, 102, 103, 104, 110+, 120+, 201+, 202+, 204+, 205+ |
| Proficiency (See Proficiency Requirements) | * | CHEM 101+, 102+, 110+, 120+, 210+, 220+ |
| Electives | 0 | ELTE 101 |
| Minimum Units Required for AS Degree | 60 | ERSC 101+ |
| ASE CERTIFICATION: AVC is not a testing site. Suggested courses for the *Automotive Service Excellence General Auto Mechanic Certification (ASE) | | GEOG 101+, 101L+, 102, 102L+ |
| AUTO 211+, Automotive Engine Operation and Repair | 6 | GEOL 101+, 101L+, 102+, 102L+ |
| AUTO 220+, Automotive Transmissions & Transaxles | 5 | PHYS 101, 102+, 110+, 120+, 211+ |
| AUTO 230+, Manual Transmissions, Transaxles & Drivelines | 4 | PSCI 101 |
| AUTO 240+, Automotive Suspension & Steering | 6 | Area B Social & Behavioral Sciences: (min. 3 units) |
| AUTO 250+, Automotive Brake Systems | 5 | AJ 201, 204, 206 |
| AUTO 260+, Automotive Electrical Systems | 5 | ANTH 102, 103, 110, 112, 140 |
| AUTO 270+, Automotive Heating & Air Conditioning | 4 | BUS 101, 212 |
| AUTO 280+, Automotive Engine Performance | 5 | CFE 102, 103+ |
| Units Required for the Certificate: | 40 | COMM 217+ |
| * Two years experience as a mechanic are required for the ASE certificate. A two-year full-time college program will suffice for one year of experience. | | DFST 105, 106, 110 |
| | | ECON 100, 101+, 102+, 110 |
| | | GEOG 105, 106, 110 |
| | | HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116+, 118, 119 |
| | | POLS 101, 103, 200, 201+, 202+, 203+ |
| | | PSY 101, 200+, 201+, 212+, 230+, 232, 233+, 234+, 235+, 236+ |
| | | SOC 101, 105, 110, 111, 112, 115, 116, 120, 200+ |
| | | Area C Humanities: (min. 3 units) |
| | | ART 100, 101, 102, 103, 104, 106, 110, 113, 120, 132, 135, 136+, 137+, 140, 145, |
| | | 150, 163+, 170+, 210+, 213+ |
| | | CHIN 101, 102+, 201+, 202+ |
| | | COMM 112, 114, 214+, 217+, 219+ |
| | | DA 101 |

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DFST 101, 102+, 105, 106, 201+, 202+
 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 101, 102, 104, 105, 107, 108, 110, 111, 113, 115, 118, 119
 LATN 101, 102+, 201+
 MUS 101, 105, 111, 121+, 131, 132+, 151+, 153+, 185+, 231+, 232+, 251A+,
 251B+, 253A+, 253B+
 MUSC 102, 103, 107, 108, 109
 NF 150
 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 (2))

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

- ENGL 101+
- 2. *Communication and Analytical Thinking*
- BUS 113+
- CA 103
- CS 120, 121, 122, 123
- COMM 101, 107, 109, 112, 114, 115, 217+, 219+
- ENGL 102+, 103+
- GEOG 201, 205
- MATH 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+
150+, 160+, 220+, 230+, 250+
- PHIL 101, 106, 110, 201+

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

From areas A**, B**, C**, D2**, or
 DA 111 LIB 107, 110
 HD 100, 101, 102, 103, 105 NF 100, 102, 103, 110
 HE 101, 120, 201
 KINT 100
 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.**

* ID courses no longer offered 20-21

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:

Proficiency requirements exist for the areas of Writing and Math. Students must demonstrate competency in each of these areas in order to be eligible for the associate degree.

A. **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.

B. **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 demonstrated 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 a 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 a 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 involuntarily 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.

AUTO Course changes 2020-2021:

- 110->211
- 130->220
- 128->230
- 127->240
- 126->250
- 150->260
- 160 New
- 270 New
- 280 New