

## Certificate Programs (2)

- Minimum grade of "C" required on each course
- Maximum of 6 Pass/No Pass units accepted
- Minimum of 12 units completed in residence at AVC with a minimum of 9 of those units completed in the certificate coursework (credit earned by examination will not be included in these 12 units)
- Refer to catalog or online website for course listings, descriptions, and suggested course sequence if available

### ENGINE AND DRIVE TRAINS

Required Courses	units
AUTO 110, Automotive Engines or AUTO 111 and 112, Automotive Engine Rebuilding**	8-10
AUTO 125, Automotive Chassis or AUTO 126, Automotive Brakes and AUTO 127, Automotive Suspension, Steering and Alignment and AUTO 128, Automotive Power Trains**	10-13
AUTO 130, Basic Automatic Transmissions and Transaxles	4
Program Electives	<u>4-8</u>
<b>Total Units Required for Certificate</b>	<b>26</b>

#### Program Electives

Complete 3 to 8 units from the following:	
AUTO 113, Automotive Engine Rebuilding (Advanced)	4
AUTO 151, Automotive Chassis and Body Electrical Systems	4
AUTO 231, Automatic Transmissions (General Motors)	2
AUTO 232, Automatic Transmissions (Ford and Chrysler)	2
WELD 101, Welding Fundamentals	2

\*\*These courses are intended for night students.

### DRIVEABILITY, EMISSIONS, AND ELECTRICAL

Required Courses	units
AUTO 150, Automotive Electrical Systems or AUTO 151, Automotive Chassis and Body Electrical Systems and AUTO 152, Automotive Ignition Systems and AUTO 153, Automotive Starting and Charging Systems**	8-10
AUTO 175, Automotive Fuel, Emission Systems, and Calif. Clean Air Car Course or AUTO 276, Calif. Clean Air Car Course and AUTO 176, Automotive Carburetor Fuel Systems and AUTO 177, Elect. Fuel Injection**	10-14
Program Electives	<u>2-8</u>
<b>Total Units Required for Certificate</b>	<b>26</b>

#### Program Electives

Complete 2 to 8 units from the following:	
AUTO 277, Elect. Engine Controls-General Motors Systems	4
AUTO 278, Elect. Engine Controls- Ford/Chrysler Systems	4
WELD 101, Welding Fundamentals	2
**These courses are intended for night students.	

### ASE CERTIFICATION

AVC is not a testing site. Suggested courses for the \*Automotive Service Excellence General Auto Mechanic Certification (ASE) test:

AUTO 110, Automotive Engines	10
AUTO 125, Automotive Chassis	10
AUTO 128, Auto. Power Trains	4
AUTO 150, Auto. Electrical Systems	10
AUTO 152, Auto. Ignition Systems	2
AUTO 175, Auto. Fuel, Emission Systems, and Calif. Clean Air Car Course	10
AUTO 231, Automatic Transmissions (General Motors)	2
AUTO 232, Automatic Transmissions (Ford and Chrysler)	2
<b>Total Units Required for Certification</b>	<b>50</b>

\* 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.

## AS-Associate Degree (2)

- Every course in the major requires a minimum grade of "C"
- Maximum of 12 credit/no credit units accepted
- Minimum of 12 units must be completed at AVC (credit earned by examination will not be included in these 12 units)
- Refer to catalog or online website for course listings, descriptions, and suggested course sequence if available

### ENGINE AND DRIVE TRAINS

Major Required Courses	units
AUTO 110, Automotive Engines or AUTO 111 and 112, Automotive Engine Rebuilding**	8-10
AUTO 125, Automotive Chassis or AUTO 126, Automotive Brakes and AUTO 127, Automotive Suspension, Steering and Alignment and AUTO 128, Automotive Power Trains**	10-13
AUTO 130, Basic Automatic Transmissions and Transaxles	4
Program Electives	<u>3-8</u>
<b>Units Required for Major</b>	<b>26</b>

#### Program Electives

Complete 3 to 8 units from the following:	
AUTO 113, Automotive Engine Rebuilding (Advanced)	4
AUTO 151, Automotive Chassis and Body Electrical Systems	4
AUTO 231, Automatic Transmissions (General Motors)	2
AUTO 232, Automatic Transmissions (Ford and Chrysler)	2
WELD 101, Welding Fundamentals	2

\*\*These courses are intended for night students.

*other requirements for degree*

General Education	21-27
Proficiency (See Proficiency Requirements) *	
Electives	<u>7-13</u>
<b>Minimum Units Required</b>	<b>60</b>

### DRIVEABILITY, EMISSIONS, AND ELECTRICAL

Major Required Courses	units
AUTO 150, Automotive Electrical Systems or AUTO 151, Automotive Chassis and Body Electrical Systems and AUTO 152, Automotive Ignition Systems and AUTO 153, Automotive Starting and Charging Systems**	8-10
AUTO 175, Automotive Fuel, Emission Systems, and Calif. Clean Air Car Course or AUTO 276, Calif. Clean Air Car Course and AUTO 176, Automotive Carburetor Fuel Systems and AUTO 177, Elect. Fuel Injection**	10-14
Program Electives	<u>2-8</u>
<b>Units Required for Major</b>	<b>26</b>

#### Program Electives

Complete 2 to 8 units from the following:	
AUTO 277, Elect. Engine Controls-General Motors Systems	4
AUTO 278, Elect. Engine Controls- Ford/Chrysler Systems	4
WELD 101, Welding Fundamentals	2

\*\*These courses are intended for night students.

*other requirements for degree*

General Education	21-27
Proficiency (See Proficiency Requirements) *	
Electives	<u>7-13</u>
<b>Minimum Units Required</b>	<b>60</b>

\*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.

## General Education Requirements

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**

### Area A Natural Sciences (min. 3 units)

ANTH 101, 101L  
 ASTR 101, 101L  
 BIOL 100, 101, 102, 103, 104, 110, 120, 201, 202, 204, 205  
 CHEM 101, 102, 110  
 ELTE 101  
 ERSC 101  
 GEOG 101, 101L, 102, 102L  
 GEOL 101, 101L, 102, 102L  
 PHYS 101, 102, 110, 120, 211  
 PSCI 101

### Area B Social & Behavioral Sciences

(min. 3 units)

AJ 201, 204, 206  
 ANTH 102, 103, 112, 140  
 BUS 101  
 CFE 102  
 COMM 217  
 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, 201, 212, 230, 232, 233, 234, 235, 236  
 SOC 101, 105, 110, 111, 112, 115, 116, 120

### Area C Humanities (min. 3 units)

ART 100, 101, 102, 103, 104, 110, 113, 132, 135, 136, 137, 140, 145, 150, 210, 213  
 CHIN 101, 102, 201, 202  
 COMM 103, 112, 114, 214  
 DA 101  
 DFST 101, 102, 105, 201, 202  
 ENGL 102, 111, 112, 113, 221, 222, 225, 227, 230, 231, 235, 236, 240, 242, 246, 250, 253, 256, 257, 259, 265, 279  
 FREN 101, 102, 201, 202, 203  
 FTV 101, 103, 107, 108, 201, 203, 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  
 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, 130, 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, 101SL

2. *Communication and Analytical Thinking*

BUS 113

CIS 101, 111, 141, 157  
 COMM 101, 103, 107, 109, 112, 114, 115, 217, 219  
 ENGL 102, 103  
 GEOG 201, 205  
 MATH 102, 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

CFE 102

COMM 103, 107, 219

HD 100, 101, 102, 103, 105

HE 101, 120, 201

ID 100, 120

LIB 105, 107

NF 100, 102, 103, 110, 150

PSY 212

SOC 111, 116

Any DA activity course(s) from

DA 102-205, except DA 107A-C,

108, 109 and 111

Any KIN activity course(s) from KIN 101-180, or up to 4 units for military experience.

\*\* Course must be taken from a discipline not previously selected.

### Area F Diversity Studies (min. 3 units)

ANTH 112

BUS 212

CFE 116

COMM 114, 217, 219

ECON 110

ENGL 250, 253, 256, 257, 259

FTV 201, 203

HE 201

HIST 110, 111, 113

MGT 212

MUSC 107

POLS 202

SOC 105, 110, 116

THA 239

### Proficiency Requirements

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

#### A. READING

Eligibility for College Level Reading (AVC assessment) 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 or ENGL 101SL 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.

## 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.

### Grade Point Average Requirement

An overall grade point average of 2.0 ("C" average) is required.

### Residence Requirement

Of the required 60 units, "at least 12 semester units must be completed in residence at the college granting the degree." Title 5, Section 54000 et seq. Title 5 of the California Code of Regulations is available at <http://ccr.oal.ca.gov> and in the Antelope Valley College Library.

**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.

### 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.

### Requirements for Two or More Certificates

To earn more than one certificate, a course can be used as part of as many certificate requirements as the student wishes to obtain.

### Transfer

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

Transferability of courses to the CSU or UC systems is indicated at the end of a course description by the notation "(UC, CSU)." For the transferability of courses to all other universities, please consult with a counselor or the Transfer Resource Center.

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.

### Prerequisite Completion

If a course is listed as a prerequisite for another course, that prerequisite course must be completed with a satisfactory grade in order to enroll in the next course. According to Title 5, Section 55200(d), a satisfactory grade is a grade of "A," "B," "C" or "P." Students who enroll in classes for which they do not meet the prerequisites will be involuntarily dropped. Students will be notified of this involuntary drop.

Antelope Valley College's website: [www.avc.edu](http://www.avc.edu)

For an educational plan, please consult with a counselor. To obtain counseling services please call: (661) 722-6300 ext. 6338

To contact the Technical Education Division, please call: 661-722-6300 ext. 6327

Auto Technology 0817 Antelope Valley College

**AUTO 100 \*BASIC AUTOMOTIVE**

*Advisory:* Eligibility for ENGL 099, READ 099 and MATH 070.  
(AVC)

**AUTO 101 \*BASIC AUTOMOTIVE PRACTICUM**

*Advisory:* Completion of or concurrent enrollment in AUTO 100, and Eligibility for ENGL 099, READ 099 and MATH 070.  
(AVC)

**AUTO 102 \*BASIC AUTOMOTIVE PRACTICUM**

**Prerequisite:** Completion of AUTO 101.  
*Advisory:* Completion of AUTO 100, and Eligibility for ENGL 099, READ 099 and MATH 070  
(AVC)

**AUTO 110 \*AUTOMOTIVE ENGINES**

*Advisory:* Completion of AUTO 100, and Eligibility for ENGL 099, READ 099 and MATH 070.  
(AVC)

**AUTO 111 \*AUTOMOTIVE ENGINE REBUILDING (LOWER END)**

*Advisory:* Completion of AUTO 100, and Eligibility for ENGL 099, READ 099 and MATH 070.  
(AVC)

**AUTO 112 \*AUTOMOTIVE ENGINE REBUILDING (UPPER END)**

*Advisory:* Completion of AUTO 100, and Eligibility for ENGL 099, READ 099 and MATH 070.  
(AVC)

**AUTO 113 \*AUTOMOTIVE ENGINE REBUILDING (ADVANCED)**

**Prerequisite:** Completion of AUTO 110, or completion of both AUTO 111 and AUTO 112.  
*Advisory:* Eligibility for ENGL 099, READ 099 and MATH 070.  
(AVC)

**AUTO 125 \*AUTOMOTIVE CHASSIS**

*Advisory:* Completion of AUTO 100, and Eligibility for ENGL 099, READ 099 and MATH 070.  
(AVC)

**AUTO 126 \*AUTOMOTIVE BRAKES**

*Advisory:* Completion of AUTO 100, and Eligibility for ENGL 099, READ 099 and MATH 070.  
(AVC)

**AUTO 127 \*AUTOMOTIVE SUSPENSION, STEERING AND ALIGNMENT**

*Advisory:* Completion of AUTO 100, and Eligibility for ENGL 099, READ 099 and MATH 070.  
(AVC)

**AUTO 128 \*AUTOMOTIVE POWER TRAINS**

*Advisory:* Completion of AUTO 100, and Eligibility for ENGL 099, READ 099 and MATH 070.  
(AVC)

**AUTO 130 \*BASIC AUTOMATIC TRANSMISSIONS AND TRANSAXLES**

*Advisory:* Completion of AUTO 100, and Eligibility for ENGL 099, READ 099 and MATH 070.  
(AVC)

**AUTO 150 \*AUTOMOTIVE ELECTRICAL SYSTEMS**

*Advisory:* Completion of AUTO 100 and AUTO 101, and Eligibility for ENGL 099, READ 099 and MATH 070.  
(AVC)

**AUTO 151 \*AUTOMOTIVE CHASSIS AND BODY ELECTRICAL SYSTEMS**

*Advisory:* Completion of AUTO 100, and Eligibility for ENGL 099, READ 099 and MATH 070.  
(AVC)

**AUTO 152 \*AUTOMOTIVE IGNITION SYSTEMS**

*Advisory:* Completion of AUTO 100, AUTO 101 and AUTO 151, and Eligibility for ENGL 099, READ 099 and MATH 070.  
(AVC)

*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 requisite.