



## COUNSELING CENTER ADVISING Certificate Program

- Requires a minimum grade of “C” 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)
- Semester order for courses and time to complete may vary for night students
- Refer to catalog or online website for course listings, descriptions, and suggested course sequence if available

### DRAFTING/COMPUTER AIDED DESIGN

Required Courses	units
ENGR 115, Basic Engineering Drawing	3
ENGR 120, Introduction to 2-D Auto-CAD	3
DRFT 125, Mechanical Drafting <b>or</b>	
DRFT 230, Architectural Drafting II	3
DRFT 130, Architectural Drafting I	3
DRFT 150, Intermediate 2-D AutoCAD	3
DRFT 240, Electronic Drafting	3
DRFT 250, Introduction to 3-D Auto-CAD	2
<b>Total Units Required for Certificate</b>	<b>20</b>

## AS-Associate Degree

- Requires a minimum grade of “C” on each course in the major
- Maximum of 12 pass/no pass units accepted
- Minimum of 12 units must be completed at AVC (credit earned by examination will not be included in these 12 units)
- Semester order for courses and time to complete may vary for night students
- Refer to catalog or online website for course listings, descriptions, and suggested course sequence if available

### DRAFTING/COMPUTER AIDED DESIGN

Major Required Courses	units
ENGR 115, Basic Engineering Drawing	3
ENGR 120, Introduction to 2-D Auto-CAD	3
DRFT 125, Mechanical Drafting <b>or</b>	
DRFT 230, Architectural Drafting II	3
DRFT 130, Architectural Drafting I	3
DRFT 150, Intermediate 2-D AutoCAD	3
DRFT 240, Electronic Drafting	3
DRFT 250, Introduction to 3-D Auto-CAD	2
<b>Units Required for Major</b>	<b>20</b>
<i>other requirements for degree</i>	
General Education	21-27
Proficiency (See Proficiency Requirements) *	
Electives	13-19
<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.

# Drafting - Computer Aided Design

## 18-19

### 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, 101L, 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  
DFST 105  
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, 106, 110, 113, 120, 132, 135, 136, 137, 140, 145, 150, 163, 170, 210, 213  
CHIN 101, 102, 201, 202  
COMM 103, 112, 114, 214  
DA 101  
DFST 101, 102, 105, 106, 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, 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 (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  
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

#### Area E - Additional Breadth

(min. 3 units)

From areas A\*\*, B\*\*, C\*\*, D2 \*\*or

CFE 102  
COMM 103, 107, 219  
DFST 105  
HD 100, 101, 102, 103, 105  
HE 101, 120, 201  
ID 100, 120  
KINT 100  
LIB 107, 110  
MUSC 108  
NF 100, 102, 103, 110, 150  
PSY 212  
SOC 111, 116  
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  
BUS 212  
CFE 116  
COMM 114, 217, 219  
DFST 105, 106  
ECON 110  
ENGL 250, 253, 256, 257, 259  
FTV 201, 203  
HE 201  
HIST 110, 111, 113  
MUSC 107, 108  
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 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.

**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.

**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.

### 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.

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

**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)

To contact the Career Technical Education Division, please call: 661-722-6300 ext. 6415

DRFT 125 MECHANICAL DRAFTING

**Prerequisite:** Completion of ENGR 120. (CSU, AVC)

DRFT 130 \*ARCHITECTURAL DRAFTING I

**Prerequisite:** Completion of ENGR 120.

*Advisory:* Eligibility for ENGL 100A, READ 095 and MATH 070. (AVC)

DRFT 150 \*INTERMEDIATE 2-D AUTOCAD

**Prerequisite:** Completion of ENGR 120.

*Advisory:* Eligibility for READ 099. (CSU, AVC)

DRFT 230 \*ARCHITECTURAL DRAFTING II.

**Prerequisite:** Completion of DRFT 130.

*Advisory:* Eligibility for ENGL 100A and READ 095. (AVC)

DRFT 240 \*ELECTRONIC DRAFTING

**Prerequisite:** Completion of ENGR 120.

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

DRFT 250 \*INTRODUCTION TO 3-D CAD

DRAFTING. **Prerequisite:** Completion of ENGR 120. (AVC)

ENGR 115 \*BASIC ENGINEERING

DRAWING. *Advisory:* Eligibility for MATH 070. (CSU, AVC)

ENGR 120 \*INTRODUCTION TO 2-D CAD

*Advisory:* Eligibility for READ 099. (CSU, AVC) (not shown in catalog)

#### *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.