



Certificate/AS - Drafting/Computer Aided Design 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 recommended)		Units
ENGR 115, Basic Engineering Drawing		3	DRFT 125+, Mechanical Drafting <i>or</i> DRFT 230+, Architectural Drafting		4
DRFT 120, Introduction to 2-D Auto-CAD (not on 2-year		3	DRFT 240+, Electronic Drafting		3
General Education Area D1 (English 101+)		3	DRFT 130+, Architectural Drafting I		3
General Education Area E (Additional Breadth)		3	General Education Area A (Science)		3
General Elective		3	General Education Area F (Diversity Studies)		3
Total		15	Total		16
Term 2: (Intersession(6/3)-Summer (9/6) Max./Recommended units)			Term 6: (Intersession(6/3)-Summer (9/6) Max./Recommended units)		
Term 3 (Semester: Maximum 19 units, 15 units recommended)		Units	Term 7 (Semester: Maximum 19 units, 15 units recommended)		Units
DRFT 150+, Intermediate 2-D AutoCAD		3	General Education Area B (Social Science)		3
DRFT 250+, Introduction to 3-D Auto-CAD		2	General Elective		3
General Education Area D2		3	General Elective		3
General Education C (Humanities)		3	General Elective		3
General Elective		3	General Elective		3
Total		14	Total		15
Term 4: (Intersession(6/3)-Summer (9/6) Max./Recommended units)			Transfer or Graduate		

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.

Certificate/Major Required Courses:		
ENGR 115, Basic Engineering Drawing	3	PSY 101, 201+, 212+, 230+, 232, 233+, 234+, 235+, 236+
DRFT 120, Introduction to 2-D Auto-CAD	3	SOC 101, 105, 110, 111, 112, 115, 116+, 120
DRFT 125+, Mechanical Drafting or DRFT 230+, Architectural Drafting II	3	Area C Humanities: (min. 3 units)
DRFT 130+, Architectural Drafting I	3	ART 100, 101, 102, 103, 104, 106, 110, 113, 120, 132, 135, 136+, 137+, 140,
DRFT 150+, Intermediate 2-D AutoCAD	3	145, 150, 163, 170+, 210+, 213+
DRFT 240+, Electronic Drafting	3	CHIN 101, 102+, 201+, 202+
DRFT 250+, Introduction to 3-D Auto-CAD	3	COMM 103, 112, 114, 214+
Units Required for the Certificate/Major:		20
other requirements for degree		
General Education	21-27	DA 101
Proficiency (See Proficiency Requirements)	*	DFST 101, 102+, 105, 106, 201+, 202+
Electives	13-19	ENGL 102, 111+, 112+, 221+, 222+, 225+, 227+, 230+, 231+, 235+, 242+,
Minimum Units Required for AS Degree		60
Other Requirements:		
<ul style="list-style-type: none"> • Minimum grade of "C" required on each course • Maximum of 12 pass/no-pass units accepted for the Degree and 6 units for a Certificate • Refer to catalog or online website for course listings and descriptions 		
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		
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+,		
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+		
<div style="background-color: #e0e0e0; padding: 5px;"> Area D Language & Rationality: (min. 3 units from (1) and 3 units from (2)) </div>		
<ol style="list-style-type: none"> 1. <i>Academic Composition:</i> Courses fulfilling the written composition requirement shall be designed to include both expository and argumentative writing. <ul style="list-style-type: none"> ENGL 101+ 2. <i>Communication and Analytical Thinking</i> <ul style="list-style-type: none"> 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 110, 106, 110, 201+ 		

For an educational plan, please consult with a counselor. To obtain counseling services please call: (661) 722-6338. Antelope Valley College's website: www.avc.edu. To contact the Career & Technical Education Division, please call: 661-722-6300 ext. 6327

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

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

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

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 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 **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.

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 co-requisite