



COUNSELING CENTER ADVISING Certificate Program

- 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

AIRCRAFT FABRICATION AND ASSEMBLY TECHNICIAN

Required Courses	units
AFAB 110, Introduction to Aircraft Structures, Blueprint and Manufacturing Documentation	3
AFAB 115, Aircraft Structures	8
AFAB 120, Composites Fabrication and Repair	7
AFAB 130, Aerospace Workplace Issues and Ethics	4
AFAB 210, Aircraft Production Systems	4
Total Units Required	26

BLUEPRINTS AND STRUCTURES

The Blueprints and Structures certificate program includes course work that will prepare students for entry-level employment in the aerospace industry with an emphasis in ethical workplace standards. Students who complete this certificate will have the necessary skills to be employed by aircraft manufacturers and subcontractors in a variety of positions. Principles and techniques of aircraft structural, blueprint, and assembly will be thoroughly conveyed in both a lecture and laboratory environment as well as the ethical dynamics of the workplace.

Required Courses:	units
AFAB 110, Introduction to Aircraft Structures, Blueprint and Manufacturing Documentation	3
AFAB 115, Aircraft Structures	8
AFAB 130, Aerospace Workplace Issues and Ethics	4
Total	15

AS-Associate Degree

- Every course in the major requires a minimum grade of “C”
- 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)
- Refer to catalog or online website for course listings, descriptions, and suggested course sequence if available

AIRCRAFT FABRICATION AND ASSEMBLY TECHNICIAN

Major Required Courses	units
AFAB 110, Introduction to Aircraft Structures, Blueprint and Manufacturing Documentation	3
AFAB 115, Aircraft Structures	8
AFAB 120, Composites Fabrication and Repair	7
AFAB 130, Aerospace Workplace Issues and Ethics	4
AFAB 210, Aircraft Production Systems	4
Total Units Required	26
<i>other requirements for degree</i>	
General Education	21-27
Proficiency (See Proficiency Requirements) *	*
Electives	7-13
Minimum Units Required	60

*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, 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 numbers of units (up to a minimum of 60) are considered electives. Any course that has already been counted toward (1) the major or (2), the general education requirements, 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.

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.

Residence Requirement

Of the required 60 units, "at least 12 semester units must be completed in residence at the college granting the degree" as stated in Title 5, Section 55806. 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

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) 722-6338

Antelope Valley College's website: www.avc.edu

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

AFAB 110 *INTRODUCTION TO AIRCRAFT STRUCTURES, BLUEPRINT AND MANUFACTURING DOCUMENTATION. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (AVC)

AFAB 115 *AIRCRAFT STRUCTURES

Prerequisite: Completion of or concurrent enrollment in AFAB 110.

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

AFAB 120 *COMPOSITES FABRICATION AND REPAIR. **Prerequisite:** Completion of or concurrent enrollment in AFAB 110.

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

AFAB 130 *AEROSPACE ETHICS AND ISSUES. *Advisory:* Eligibility for College Level Reading and ENGL 101. (CSU, AVC)

AFAB 210 *AIRCRAFT PRODUCTION SYSTEMS. **Prerequisite:** Completion of AERO 230 or AFAB 115. *Advisory:* Eligibility for College Level Reading, ENGL 101 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.