



Certificate/AS-Air Conditioning Refrigeration Specialist 21-22

Recommended Program Sequence

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

Term 1 (Semester: Maximum 19 units, 15 units recommended)			Term 3 (Semester: Maximum 19 units, 15 units recommended)		
Daytime:	ACRV 115	10	Daytime:	No Class Available	10
Nighttime:	ACRV 122**(5) & ACRV 112**(5)		Nighttime:	ACRV 222**(5) & ACRV 212**(5)	
General Education Area D1 (English 101)			General Education Area B (Social Science)		
3			3		
General Education Area E (Additional Breadth)			General Education Area A (Science)		
3			3		
** These courses intended for night students			Completion order & time may vary for night students		
Total		16	Total		16
Term 2 (Semester: Maximum 19 units, 15 units recommended)			Term 4 (Semester: Maximum 19 units, 15 units recommended)		
Daytime:	ACRV 125 (10)	15	Daytime:	No Class Available	10
Nighttime:	ACRV 123**(5) & ACRV 113**(5)	10	Nighttime:	ACRV 223**(5) & ACRV 213**(5)	5
General Education Area D2 (Communication & Critical Thinking)			General Education Area C (Humanities)		
3			3		
General Education Area F (Diversity Studies)			General Education Area F (Diversity Studies)		
3			3		
Term 3 (Summer: Max. 15 units, 12 units recommended)			Students may begin the program at any point in the degree plan		
Total		18/13	Total		16

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>

Certificate/Major Required Courses:	Area C Humanities: (min. 3 units)
ACRV 125, Residential Air Conditioning Systems and Controls or ACRV 122**, Residential Air Conditioning Systems AND ACRV 123**, Residential Air Conditioning Controls	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+
ACRV 222+**, Commercial Air Conditioning Controls	COMM 103, 112, 114, 214+
ACRV 223+**, Commercial Air Conditioning Systems	DA 101
ACRV 115, Basic Refrigeration Systems and Controls or ACRV 112**, Basic Refrigeration Systems AND ACRV 113**, Basic Refrigeration Controls	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+
ACRV 212+**, Commercial Refrigeration Systems	FREN 101, 102+, 201+, 202+, 203+
ACRV 213+**, Commercial Refrigeration Controls	FTV 101, 103, 107, 108, 201, 203, 241, 251, 261
Units Required for the Certificate/Major:	40
<i>other requirements for degree</i>	
General Education	21-27
Proficiency (See Proficiency Requirements)	*
Electives	0
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, 6 units for a cert. • 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: 21	
Area A Natural Sciences: (min. 3 units)	Area D Language & Rationality: (min. 3 units from (1) and 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	1. <i>Academic Composition:</i> Courses fulfilling the written composition requirement shall be designed to include both expository and argumentative writing. ENGL 101+ 2. <i>Communication and Analytical Thinking</i> 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 B Social & Behavioral Sciences: (min. 3 units)	Area E - Additional Breadth: (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	From areas A**, B**, C**, D2, ** or CFE 102 COMM 103, 107, 219+ NF 100, 102, 103, 110, 150 DFST 105 PSY 212 HD 100, 101, 102, 103, 105 SOC 111, 116 HE 101, 120, 201 ID 100, 120 (ID courses no longer offered 20-21) KINT 100 LIB 107, 110 MUSC 108

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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	POLS 202+
BUS 212	SOC 105, 110, 116
CFE 116+	THA 239
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	

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

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 corequisite.