



Certificate/AS-Air Conditioning Refrigeration Specialist 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
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)		3	General Education Area B (Social Science)		3
General Education Area E (Additional Breadth)		3	General Education Area A (Science)		3
** These courses intended for night students					
Total		16	Total		16
Term 2: (Interession(6/3)-Summer (9/6) Max./Recommended units)			Term 5: (Interession(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
Daytime: ACRV 125 (10) & ACRV 213** (5)		15	Daytime: No Class Available		10
Nighttime: ACRV 123** (5) & ACRV 113** (5)		10	Nighttime: ACRV 223** (5) & ACRV 213** (5)		
General Education Area D2 (Communication & Critical Thinking)		3	General Education Area C (Humanities)		3
			General Education Area F (Diversity Studies)		3
Order for classes and time to complete may vary for night students			Students may begin the program at any point in the degree plan		
Total		18/13	Total		16
Term 4: (Interession(6/3)-Summer (9/6) Max./Recommended units)			Graduate		

Take Summer or Interession 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:

ACRV 125, Residential Air Conditioning Systems and Controls or	10
ACRV 122**, Residential Air Conditioning Systems AND	
ACRV 123**, Residential Air Conditioning Controls	
ACRV 222+**, Commercial Air Conditioning Controls	5
ACRV 223+**, Commercial Air Conditioning Systems	5
ACRV 115, Basic Refrigeration Systems and Controls or	10
ACRV 112**, Basic Refrigeration Systems AND	
ACRV 113**, Basic Refrigeration Controls	
ACRV 212+**, Commercial Refrigeration Systems	5
ACRV 213+**, Commercial Refrigeration Controls	5

Units Required for the Certificate/Major: 40

other requirements for degree

General Education	21-27
Proficiency (See Proficiency Requirements)	*
Electives	0

Minimum Units Required for AS Degree 60

Other Requirements:

- Minimum grade of "C" required on each course
- Maximum of 12 pass/no-pass units accepted for the Degree, 6 units for a
- 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)

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+
 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+, 221+, 222+, 225+, 227+, 230+, 231+, 235+, 242+,
 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

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+

Certificate/AS-Air Conditioning Refrigeration Specialist 19-20

Recommended Program Sequence

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 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 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 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

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
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.