



# Certificate/AS-Refrigeration Specialist 23-24

## Recommended Plan of Study - Counseling

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

Term 1 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units	Term 3 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units
ACRV 112 or ACRV 113	5	ACRV 212+, (Night Classes)	5
General Education Area D1 (English 101)	3	General Education Area C (Humanities) # SPAN 101	5
General Education Area E (Additional Breadth) # HD 101	3	General Electives	3
General Electives	3	General Electives	3
# Recommended		Day/Night Total	
	<b>14</b>		<b>16</b>
Term 2 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units	Term 4 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units
ACRV 112 or ACRV 113	5	ACRV 213+, (Night Classes)	5
General Education Area D2 (Communication & Critical Thinking)	3	General Education Area B (Social Sciences)	3
General Education Area A (Natural Sciences) # (ELTE 101 or PHYS 101)	4	General Education Area F (Diversity Studies)	3
General Electives. # ENGL 115	3	General Electives	4
(Summer: Max. 15 units, 12 units recommended)		Day/Night Total	
	<b>15</b>		<b>15</b>
<b>Graduate</b>			

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:	Units	List of Courses
ACRV 112, Basic Refrigeration Systems	5	HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116+, 118, 119
ACRV 113, Basic Refrigeration Controls	5	POLS 101, 103, 200, 201+, 202+, 203+
ACRV 212+, Commercial Refrigeration Systems	5	PSY 101, 200+, 201+, 212+, 230+, 232, 233+, 234+, 235+, 236+
ACRV 213+, Commercial Refrigeration Controls	5	SOC 101, 105, 110, 111, 112, 115, 116, 120, 200+
<b>Units Required for the Certificate/Major:</b>	<b>20</b>	<b>Area C Humanities: (min. 3 units)</b>
<i>other requirements for degree</i>		ART 100, 101, 102, 103, 104, 106, 110, 113, 120, 132, 135, 136+, 137+, 140, 145, 150, 163+, 170+, 210+, 213+
General Education	21-27	CHIN 101, 102+, 201+, 202+
Proficiency (See Proficiency Requirements)	*	COMM 112, 114, 214+, 217+, 219+
Electives	13-19	DA 101
<b>Minimum Units Required for AS Degree</b>	<b>60</b>	DFST 101, 102+, 105, 106, 201+, 202+
<b>Other Requirements:</b>		ENGL 102, 111+, 112+, 221+, 222+, 225+, 227+, 230+, 231+, 235+, 242+, 253+, 256+, 257+, 259+, 265+, 279+
• Minimum grade of "C" required on each course		FREN 101, 102+, 201+, 202+, 203+
• Max. of 12 pass/no-pass units accepted for the Degree, 6 units for cert.		FTV 101, 103, 107, 108, 201, 203, 241, 251, 261
• Refer to catalog or online website for course listings and descriptions		GER 101, 102+, 201+, 202+
<b>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</b>		HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 115, 118, 119
<b>Area A Natural Sciences: (min. 3 units)</b>		LATN 101, 102+, 201+
ANTH 101, 101L		MUS 101, 105, 111, 121+, 131, 132+, 151+, 153+, 185+, 231+, 232+, 251A+, 251B+, 253A+, 253B+
ASTR 101+, 101L+		MUSC 102, 103, 107, 108, 109
BIOL 100, 101+, 101L+, 102, 103, 104, 110+, 120+, 201+, 202+, 204+,		NF 150
CHEM 101+, 102+, 110+, 120+, 210+, 220+		PHIL 105, 106, 108, 109
ELTE 101		PHOT 107
ERSC 101+		PHTC 101, 150+, 201+
GEOG 101+, 101L+, 102, 102L+		SPAN 101, 110SS, 102+, 201+, 202+, 210SS+, 220SS+
GEOL 101+, 101L+, 102+, 102L+		THA 101, 102, 103, 110, 115A, 115B+, 116A+, 116B+, 117A+, 117B+, 118A+, 118B+, 121A, 121B, 130, 133, 225+, 239
PHYS 101, 102+, 110+, 120+, 211+		<b>Area D Language &amp; Rationality: (min. 3 units from (1) and 3 units from (2))</b>
PSCI 101		1. <i>Academic Composition:</i> Courses fulfilling the written composition requirement shall be designed to include both expository and argumentative writing.
<b>Area B Social &amp; Behavioral Sciences: (min. 3 units)</b>		ENGL 101+
AJ 201, 204, 206		2. <i>Communication and Analytical Thinking</i>
ANTH 102, 103, 110, 112, 140		BUS 113+
BUS 101, 212		CA 103
CFE 102, 103+		CS 120, 121, 122, 123
COMM 217+		COMM 101, 107, 109, 112, 114, 115, 217+, 219+
DFST 105, 106, 110		ENGL 102+, 103+
ECON 100, 101+, 102+, 110		
GEOG 105, 106, 110		

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GEOG 201, 205  
 MATH 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

DA 111  
 HD 100, 101, 102, 103, 105  
 HE 101, 120, 201  
 KINT 100  
 LIB 107, 110  
 NF 100, 102, 103, 110

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.

**Grade Point Average Requirement:** An overall grade point average of 2.0 ("C" average) is required.

**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.

**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](http://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.