



Program Completion Guide  
**ASSOCIATE IN APPLIED SCIENCE**  
**AIR CONDITIONING, HEATING, AND REFRIGERATION TECHNOLOGY (A35100)**  
**Heating and AC Technician**

Student Name: \_\_\_\_\_ ID #: \_\_\_\_\_ Date of Enrollment: \_\_\_\_\_

Advisor Name: \_\_\_\_\_ Contact Information: \_\_\_\_\_

**Note:** Developmental coursework may be required. Please refer to the Developmental Education Guide for additional information.

**A. Air Conditioning Certificate (C35100C) Course Requirements 13 credit hours: Complete Section A.**

Courses	Cr.	Recommended Semester	Prerequisites/Corequisites	Semester Registered/Planned	Semester Completed/Grade
AHR 110 Intro to Refrigeration*	5	1 <sup>st</sup> year – fall	None		
AHR 111 HVACR Electricity*	3	1 <sup>st</sup> year – fall	None		
AHR 113 Comfort Cooling* (not required for heating certificate)	4	1 <sup>st</sup> year – fall	None		
AHR 160 Refrigerant Certification	1	1 <sup>st</sup> year – spring	None		

**B. Heating Certificate (C35100H) Course Requirements 17 credit hours: Complete Sections A and B.**

Courses	Cr.	Recommended Semester	Prerequisites/Corequisites	Semester Registered/Planned	Semester Completed/Grade
AHR 112 Heating Technology*	4	1 <sup>st</sup> year – spring	None		
AHR 114 Heat Pump Technology*	4	1 <sup>st</sup> year – spring	Pre: AHR 110 or AHR 113		

**C. Air Conditioning, Heating, and Refrigeration Technology (D35100) Course Requirements 36 credit hours: Complete Sections A, B, and C.**

Courses	Cr.	Recommended Semester	Prerequisites/Corequisites	Semester Registered/Planned	Semester Completed/Grade
ACA 122 College Transfer Success	1	1 <sup>st</sup> year – fall	None		
AHR 180 HVACR Customer Relations	1	1 <sup>st</sup> year – fall	None		
CIS 110 Introduction to Computers	3	1 <sup>st</sup> year – fall	None		
AHR 151 HVAC Duct Systems I	2	1 <sup>st</sup> year – spring	None		
BUS 110 Introduction to Business or BUS 230 Small Business Management	3	1 <sup>st</sup> year – spring	None		
ENG 102 Applied Communications II (Required only for diploma.)	3	1 <sup>st</sup> year – spring	None		
MAT 110 Math Measurement and Literacy or MAT 143 Quantitative Literacy	3	2 <sup>nd</sup> year – fall	Pre: None  Pre: MAT 025		

**D. Air Conditioning, Heating, and Refrigeration Technology Associate in Applied Science Degree (A35100) Course Requirements 65 credit hours: Complete Sections A, B, C, and D.**

Courses	Cr.	Recommended Semester	Prerequisites/Corequisites	Semester Registered/Planned	Semester Completed/Grade
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ENG 111 Writing and Inquiry	3	1st year – spring	Pre: ENG 025 Co: None		
AHR 115 Refrigeration Systems	2	2 <sup>nd</sup> year – fall	Pre: AHR 110		
AHR 211 Residential Systems Design*	3	2 <sup>nd</sup> year – fall	None		
AHR 213 HVACR Building Code*	2	2 <sup>nd</sup> year – fall	None		
COM 231 Public Speaking	3	2 <sup>nd</sup> year – fall	None		
AHR 120 HVACR Maintenance or WBL 111 Work-Based Learning I and WBL 115 Work-Based Learning Seminar I	2  1  1	  2 <sup>nd</sup> year – spring	None  Pre: 9 or 14 SHC in the major core courses depending on program Co: WBL 115  Pre: 9 or 14 SHC in the major core courses depending on program Co: WBL 111		
AHR 130 HVAC Controls*	3	2 <sup>nd</sup> year – spring	Pre: AHR 111 or ELC 111		
AHR 212 Advanced Comfort Systems*	4	2 <sup>nd</sup> year – spring	Pre: AHR 114		
AHR 235 Refrigeration Design	3	2 <sup>nd</sup> year – spring	Pre: AHR 110		

**Electives: (All degree seeking students must take one Humanities/Fine Arts and one Social/Behavioral Sciences elective from lists below unless a specific course is required above.)**

<b>Humanities/Fine Arts Electives (3 credit hours)** (Courses with the following prefixes will satisfy this requirement: ART, DRA, ENG (literature courses only), HUM, MUS, PHI, REL, and SPA (Intermediate Spanish I only).</b>			
Courses offered at RCC: ART 111, DRA 111, ENG 231, ENG 232, MUS 110, PHI 240, REL 211, REL 212			
Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
	2 <sup>nd</sup> year – fall		

<b>Social/Behavioral Sciences Electives (3 credit hours)** (Courses with the following prefixes will satisfy this requirement: ANT, ECO+, GEO, HIS, POL, PSY, and SOC) +Some business and accounting curricula require economics and do not accept ECO courses as fulfillment of this elective requirement.)</b>			
Courses offered at RCC: ANT 220, HIS 111, HIS 112, HIS 131, HIS 132, PSY 150, PSY 241, SOC 210, SOC 213			
Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
	2 <sup>nd</sup> year – spring		

**NOTES:** \*All courses must be completed with a grade of “C” or better.

\*\*See course catalog for prerequisite and/or corequisite requirements.

**Students please read the following and sign below.**

I understand that as an RCC student, I am ultimately responsible for my schedule. I understand that I must complete each course with a grade of “C” or better and follow the established course sequence or my ability to graduate on time may be affected.

My advisor has information regarding other colleges and transfer opportunities that I can investigate after completing my degree/diploma/certificate, and I understand that if I would like more information I can schedule an appointment with him/her.

Student Name: \_\_\_\_\_ Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor Name: \_\_\_\_\_ Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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