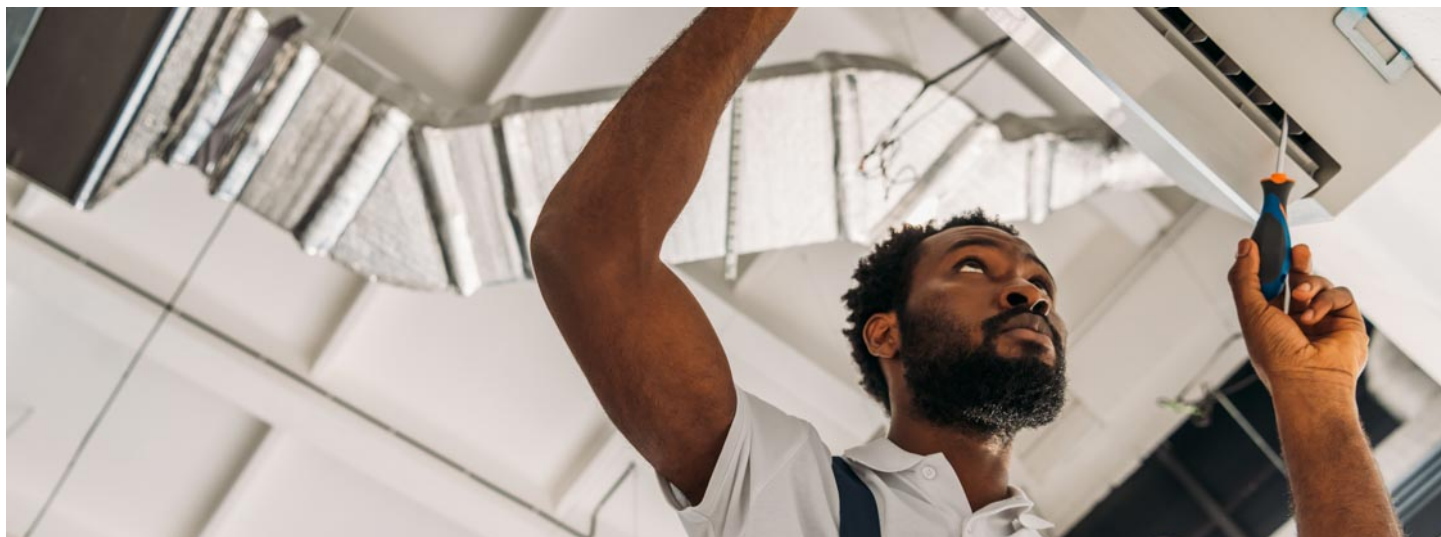


AIR CONDITIONING AND REFRIGERATION, ADVANCED CERTIFICATE



College(s): KK

Program Code: 0118

The Advanced Certificate program in Air Conditioning and Refrigeration studies the design, selection, maintenance, testing and installation of residential and commercial air conditioning, refrigeration, heating, and ventilation systems with emphasis on business skills. No General Education or elective courses are required for this program.

Program Requirements

Code	Title	Hours
Required Program Core		
AIR CON 101	Intro Air Conditioning I	3
AIR CON 102	Intro Air Conditioning II	3
AIR CON 103	Duct Design And Layout	3
AIR CON 104	Equipment and Systems Controls	3
AIR CON 105	Owner-Contractor Management	3
AIR CON 120	Introductory Laboratory	2
AIR CON 150	Intro To Refrigeration	3
AIR CON 151	Commercial Refrigeration	3
AIR CON 155	Refrigeration Laboratory	2
AIR CON 158	Commercial Refrigeration Laboratory	2
AIR CON 160	Intro to Principles of Heating	3
AIR CON 165	Heating Laboratory	2
AIR CON 204	Advanced Control Systems	3
MATH 107	Math For Technicians I	4
Total Hours		39

Pathway

This is an example course sequence for students interested in pursuing Air Conditioning and Refrigeration. It does not represent a contract, nor does it guarantee course availability. If this pathway is followed as outlined, you will earn a Basic Certificates (BCs) in Domestic Refrigeration and Heating and an Advanced Certificate (AC) in Air Conditioning and Refrigeration.

Semester-by-Semester Program Plan for Full-Time Students

All plans can be modified to fit the needs of part-time students by adding more semesters.

Course	Title	Hours
Semester 1		
AIR CON 104	Equipment and Systems Controls	3
AIR CON 150	Intro To Refrigeration	3
AIR CON 160	Intro to Principles of Heating	3
MATH 107	Math For Technicians I	4
	Hours	13
Semester 2		
AIR CON 101	Intro Air Conditioning I	3
AIR CON 102	Intro Air Conditioning II	3
AIR CON 120	Introductory Laboratory	2
AIR CON 151	Commercial Refrigeration	3
AIR CON 165	Heating Laboratory	2
	Hours	13
Semester 3		
AIR CON 103	Duct Design And Layout	3
AIR CON 105	Owner-Contractor Management	3
AIR CON 155	Refrigeration Laboratory	2
AIR CON 158	Commercial Refrigeration Laboratory	2

AIR CON 204	Advanced Control Systems	3
	Hours	13
	Total Hours	39

Choose your courses with your College Advisor.