

AIR CONDITIONING & REFRIGERATION, ASSOCIATE OF APPLIED SCIENCE

Curriculum

The matrix below is a sample plan for all coursework required for this program.

Course	Title	Hours
First Semester		
ACR 1203	Fundamentals of Electricity	3
ACR 1205	Tubing and Piping	5
ACR 1301	Industrial Safety in Air Conditioning and Refrigeration	1
ACR 1302	Basic Compression and Refrigeration	2
ENGL 1013	Composition I	3
TMAT 1203	Technical Mathematics	3
Hours		17
Second Semester		
ACR 1222	Industrial Controls	2
ACR 1503	Electronic Components	3
ACR 1602	Schematics	2
ACR 2102	Residential Systems	2
ACR 2104	Heat Gain and Loss	4
ENGL 1023	Composition II	3
Hours		16
Third Semester		
Any Approved Social Science ¹		3
WLD 1403	Welding for Trades and Industry	3
ACR 2134	Boiler Operations	4
BST 1303 or CIS 1113	Introduction to Computers or Fundamental Computer Operation	3
Hours		13
Fourth Semester		
ACR 2114	Commercial Refrigeration	4
ACR 2124	Sheet Metal	4
Hours		8
Summer		
ACR 2112 or ACR 2122	Air Conditioning Service or Occupational Safety and Health Administration-10	2
ACR 2994 or INT 2904	SPECIAL TOPICS FOR AIR CONDITIONING AND REFRIGERATION or Internship	4
Hours		6
Total Hours		60

¹ See appropriate alternatives or substitutions in "General Education Requirements".