

AIR CONDITIONING & REFRIGERATION PROGRAM

ASSOCIATE OF APPLIED SCIENCE IN AIR CONDITIONING & REFRIGERATION

Curriculum

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

1st Semester

Course Number and Name	Credits
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	3
TMAT 1203 Technical Mathematics	3
Total Hours	17

2nd Semester

Course Number and Name	Credits
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	3
Total Hours	16

3rd Semester

Course Number and Name	Credits
Any Approved Social Science ¹	3
ACR 2112 Air Conditioning Service or ACR 2122	2
ACR 2134 Boiler Operations	4
BST 1303 Introduction to Computers or CIS 1113 Fundamental Computer Operation	3
Total Hours	12

4th Semester

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Course Number and Name	Credits
ACR 2114 Commercial Refrigeration	4
ACR 2124 Sheet Metal	4
INT 2904 Internship or ACR 2994 SPECIAL TOPICS FOR AIR CONDITIONING AND REFRIGERATION	4
WLD 1403 Welding for Trades and Industry	3
Total Hours	15

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

*Usually offered in Summer