

AIR CONDITIONING & REFRIGERATION, ASSOCIATE OF APPLIED SCIENCE - FACILITIES MANAGEMENT OPTION

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
WLD 1302	Metallurgy	2
Hours		16
Second Semester		
ACR 1222	Industrial Controls	2
ACR 1503	Electronic Components	3
ACR 1602	Schematics	2
FAC 2202	Carpentry	2
FAC 2212	Plumbing	2
TMAT 1203	Technical Mathematics	3
Hours		14
Third Semester		
FAC 2104	Construction Fundamentals (or Approved Elective)	4
BST 2143	Introduction to Management	3
BST 1303 or CIS 1113	Introduction to Computers or Fundamental Computer Operation	3
AT 2123	INDUSTRIAL FLUID POWER	3
Approved Elective		3
Hours		16
Fourth Semester		
Any Approved Social Science ¹		3
INT 2904	Internship	4
ENGL 1023	Composition II	3
FAC 2222	Grounds Maintenance	2
WLD 1403	Welding for Trades and Industry	3
Hours		15
Total Hours		61

¹ See appropriate alternatives or substitutions in "General Education Requirements". (Suggested approved electives include: AST 1004 Gasoline Engine Theory, BST 1073 Accounting, CRT 1124 Painting I, AT 1163 FUND ELECTRICITY I (DC CRCTS) and AT 1173 FUND ELECTRICITY II (AC CRCTS).

*Usually offered in Summer