

AIR CONDITIONING & REFRIGERATION, TECHNICAL CERTIFICATE - FACILITIES MAINTENANCE OPTION

Spring		
ACR 1222	Industrial Controls	2
ACR 1503	Electronic Components	3
ACR 1602	Schematics	2
TMAT 1203	Technical Mathematics	3
Hours		10
Total Hours		26

Curriculum

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

Course	Title	Hours
Fall		
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
BST 1003	Business English	3
WLD 1302	Metallurgy	2
Hours		16
Spring		
ACR 1222	Industrial Controls	2
ACR 1503	Electronic Components	3
ACR 1602	Schematics	2
TMAT 1203	Technical Mathematics	3
FAC 2202	Carpentry	2
FAC 2212	Plumbing	2
Hours		14
Summer		
1st Summer Session (five-week courses)		
ICS 2123		3
Approved Elective		3
Hours		6
Total Hours		36

Suggested approved electives include:

Code	Title	Hours
AST 1004	Gasoline Engine Theory	4
BST 1073	Accounting	3
CRT 1124	Painting I	4
ICS 1104		
ICS 1303		

(Concurrent students who earn a Certificate of Proficiency in Construction Technology may progress to earn a Technical Certificate in Air Conditioning and Refrigeration - Facilities Maintenance Option by completing the remaining required courses below.)

Course	Title	Hours
Fall		
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
BST 1003	Business English	3
WLD 1302	Metallurgy	2
Hours		16