

# AIR CONDITIONING & REFRIGERATION PROGRAM

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

### 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
WLD 1302 Metallurgy	2
<b>Total Hours</b>	<b>16</b>

#### 2nd Semester

Course Number and Name	Credits
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
<b>Total Hours</b>	<b>14</b>

#### 3rd Semester

Course Number and Name	Credits
FAC 2104 Construction Fundamentals or Approved Elective	3
BST 2143 Introduction to Management	3
BST 1303 Introduction to Computers or CIS 1113 Fundamental Computer Operation	3
ICS 2123 Industrial Fluid Power	3
Approved Elective	3
<b>Total Hours</b>	<b>15</b>

**4th Semester**

<b>Course Number and Name</b>	<b>Credits</b>
Any Approved Social Science <sup>1</sup>	3
INT 2904 Internship	4
ENGL 1023	3
FAC 2222 Grounds Maintenance	2
WLD 1403 Welding for Trades and Industry	3
<b>Total Hours</b>	<b>15</b>

<sup>1</sup>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, ICS 1163 Fundamentals of Electricity I (DC Circuits) and ICS 1173 Fundamentals of Electricity II (AC Circuits), or ICS 1303 PC Maintenance I)

\*Usually offered in Summer