

**• INDUSTRIAL MAINTENANCE TECHNOLOGY
HEATING AND AIR CONDITIONING CONCENTRATION •
Associate in Applied Science Degree**

LENGTH: Six-Semester (Two-Year) Program

PURPOSE: The Associate in Applied Science degree in Heating and Air Conditioning is an occupational degree, which introduces the principles of preventive, predictive, and corrective maintenance. Students will learn to perform troubleshooting and analysis on machinery used in various facilities and apply sound maintenance practices in all aspects of their work.

AREA I WRITTEN COMPOSITION

ENG 101.....English Composition I..... 3

AREA II HUMANITIES AND FINE ARTS

ART 100 or MUS 101 Art Appreciation or Music Appreciation 3
SPH 107 Fundamentals of Public Speaking 3

AREA III NATURAL SCIENCES AND MATHEMATICS

CHOOSE TWO OF THE FOLLOWING COURSES:..... 6
MTH116 or more advanced..... Mathematical Applications or more advanced
BUS150..... Business Math
CIS 146..... Microcomputer Applications

AREA IV HISTORY, SOCIAL, AND BEHAVIORAL SCIENCES

Elective History, Social, or Behavioral Science Elective 3
PSY200 or SOC200..... Principles of Psychology or Introduction to Sociology 3

AREA V PRE-PROFESSIONAL, MAJOR, AND ELECTIVE COURSES

IET 111..... DC Fundamentals 3
IET143..... Principles of Electricity..... 3
IET 122..... Rotating Machinery & Controls I..... 3
ELT222 Motor Controls II..... 3
INT117 Principles of Industrial Mechanics 3
INT126 Preventive Maintenance 3
CAR111 Construction Basics 3
CAR114 Construction Basics Lab 3
WKO107 Work Place Skills Preparation..... 1
ACR 111 Principles of Refrigeration..... 3
ACR 112 HVACR Service Procedures..... 3
ACR126 Commercial Heating Systems..... 3
ACR148 Heating Pump Systems I..... 3
ACR149 Heating Pump Systems II..... 3
CHOOSE TWO OF THE FOLLOWING:..... 6
INT158 Industrial Wiring I
INT 161 Blueprint Reading for Industrial Technicians
INT 291 Cooperative Education
Total Hours 67

This is a career program designed for students to go directly into the labor market upon completion. Although some of the courses in this program will transfer to four-year institutions, this program is not designed to be a transfer program of study therefore it is not subject to the terms and conditions of STARS.

• HVAC TECHNOLOGY •
Training Certificate (PENDING APPROVAL)

DEGREE: Training Certificate

LENGTH: Two Semesters

PURPOSE: This program in HVAC Technology is an occupational degree, which introduces the principles of preventive, predictive, and corrective maintenance on HVACR equipment including performing troubleshooting and analysis

ACR 111	Principles of Refrigeration	3
ACR 112	HVACR Service Procedures.....	3
ACR 126	Commerical Heating Systems.....	3
ACR 148	Heat Pumps I.....	3
ACR 149	Heat Pumps II.....	3
WKO 107.....	Work Place Skills Preparation.....	1
Total Hours		16

This is a career program designed for students to go directly into the labor market upon completion. Although some of the courses in this program will transfer to four-year institutions, this program is not designed to be a transfer program of study therefore it is not subject to the terms and conditions of STARS.