

## ASSOCIATE OF APPLIED SCIENCE DEGREE

### HEATING, VENTILATION, AIR CONDITIONING, AND REFRIGERATION TECHNOLOGY

**Length: 20 Months**

*Program length includes 8 break-weeks and class time for Review Math and Basic English if required.*

Students in this program will prepare for entry-level positions in the heating, ventilation, air conditioning, and refrigeration industry by acquiring both the technical and management skills currently applicable to the industry. They will also take a core of general education courses to augment their technical education.

**MISSION STATEMENT:** The HVAC/R Department's mission is to present the student with the knowledge, technical, and personal skills needed to obtain productive employment in the HVAC/R field, as the first stepping stone of a successful career.

<u>Technical Requirements</u>	<u>Instructional Hours</u>	<u>Credit Hours</u>
HV110 Service & Procedures I	120	6
HV115 Electrical & Electronics	120	6
HV120 Air Conditioning Systems and Controls	120	6
HV125 Heating Systems & Controls	120	6
HV210 Refrigeration Systems & Controls	120	6
HV215 Heat Pump Systems & Controls	120	6
HV220 Service & Procedures II	120	6
HV225 Special Topics & Applications of Refrigeration and Temperature Controls	120	6
UN295 Major Specific Capstone - Associate	<u>24</u>	<u>3</u>
<b>Total Technical Hours</b>	<b>984</b>	<b>51</b>

<u>General Education &amp; Related Requirements</u>	<u>Instructional Hours</u>	<u>Credit Hours</u>
DP153 Digital Documents & Spreadsheets	36	3
CO179 Introduction to Human Communication	24	3
MH150 Technical Math	36	4
EN180 Composition I	48	5
PS274 The American Political Scene	24	3
PY177 Psychology	24	3
SC205 Earth Science	24	3
UN220 Introduction to Diversity Issues	24	3
MA234 Customer Relations Automated Management	48	3
EN200 Composition II	48	5
UN110 First-Year Experience	<u>11</u>	<u>2</u>
<b>Total General Hours</b>	<b>347</b>	<b>37</b>
<b>TOTAL HOURS FOR GRADUATION</b>	<b>1331</b>	<b>88</b>

\*EN070 Basic English

48

3

\*MH065 Review Math

48

3

\*If the placement test is passed with a score of 70% or higher, course will not be required to graduate.

<u>Recommended Additional Courses</u>	<u>Instructional Hours</u>	<u>Credit Hours</u>
CDL101 Commercial Driver License I	120	6
CDL102 Commercial Driver License II	120	6