CONSTRUCTION TECHNOLOGY - HVAC/R, ASSOCIATE IN APPLIED SCIENCE DEGREE

NMC Code 654

The AAS in HVAC/R provides in-depth training and knowledge to those students who seek to have a well-balanced foundation of not only technical skills, but soft skills as well. Students completing this degree will find a wide range and availability of job opportunities. HVAC/R technicians have been in demand for installations, maintenance, repair, and support for industries ranging from private home owners to hospitals, manufacturers, and breweries. Technical training includes heating, ventilating, air-conditioning, and refrigeration systems for residential through commercial/industrial applications. The curriculum is designed by the industry and aligned with national competency standards (EPA certification). Focus is on hands-on training in our state-of-the-art facility. Information: (231) 995-2803.

Within this degree students will have the opportunity to earn the following: Mechanical Contractor License and EPA Certification.

Requirements

Major Requirements

Course	Title	Credits
General Education Requirements		
ENG 111	English Composition	4
Select one of the following:		3-4
BUS 231	Professional Communications	
ENG 112	English Composition	
ENG 220	Technical Writing	
Any Group 1 Humanities course		3
Math Competency [1]		4
Select one of the following:		4
ENV 117	Meteorology & Climatology	
PHY 121	General Physics I	
ENV 103	Earth Science	
Any Group 1 Social Sciences course		3
Occupational Specialty Requirements		
CMT 100	Introductory Craft Skills	2
ELE 107	Introduction to Electrical II	3
ELE 144	Advanced Electrical Studies I	3
ELE 147	Advan Electrical Studies II	3
HVA 101	Introduction to HVAC/R I	3
HVA 104	Introduction to HVAC/R II	3
HVA 120	Intermediate HVAC/R I	3
HVA 124	Intermediate HVAC/R II	3
HVA 130	Advanced HVAC/R I	3
HVA 136	Advanced HVAC/R II - EPA Cert	3
PLU 101	Introduction to Plumbing	3
PLU 105	Plumbing Components	3
PLU 121	Commercial Plumbing	3
Approved Elective		3
Total Credits		**62-63**

[1] Placement into MTH 122 Trigonometry ***or*** higher, ***or*** completion of MTH 121 College Algebra

Note: *This program requires a minimum of 60 credits. Courses tested out or waived must be replaced with approved program electives.*

Course Sequence Guide

Course	Title	Credits
Year 1		
Fall		
ENG 111	English Composition	4
MTH 121	College Algebra	4
CMT 100	Introductory Craft Skills	2
HVA 101	Introduction to HVAC/R I	3
PLU 101	Introduction to Plumbing	3
Social Science: Any Group 1 course		3
	Credits	**19**
Spring		
Select one of the following:		3-4
ENG 112	English Composition	
ENG 220	Technical Writing	
BUS 231	Professional Communications	
ELE 107	Introduction to Electrical II	3
HVA 104	Introduction to HVAC/R II	3
HVA 120	Intermediate HVAC/R I	3
PLU 105	Plumbing Components (Spring only)	3
	Credits	**15-16**

Year 2		
Fall		
ELE 144	Advanced Electrical Studies I	3
HVA 124	Intermediate HVAC/R II	3
PLU 121	Commercial Plumbing	3
Approved Elective		3
	Credits	**12**
Spring		
Select one of the following:		4
ENV 103	Earth Science	
ENV 117	Meteorology & Climatology	
PHY 121	General Physics I	
Humanities: Any Group 1 course		3
HVA 130	Advanced HVAC/R I	3
HVA 136	Advanced HVAC/R II - EPA Certification	3
ELE 147	Advanced Electrical Studies II	3
	Credits	**16**
	Total Credits	**62-63**

The responsibility for determining the transferability of this degree and courses to another institution is the sole responsibility of the student.