

# HEATING, VENTILATION, AND AIR CONDITIONING (HVAC)

## HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) A.A.S.

Program Code: E.HAC.AAS

### Associate in Applied Science (A.A.S.)

Graduation requirement — 60 semester hours

The HVAC program prepares graduates for entry-level positions troubleshooting and repairing heating, ventilation, air conditioning, and refrigeration systems in residential and commercial facilities. The program prepares students to earn EPA refrigerant certification.

### Program Notes\*

General Education electives are chosen from two of the following categories: communications, social/behavioral sciences, humanities/fine arts, mathematics, physical/life sciences. For more information, see General Education requirements on p. 66.

### Suggested Full-time Sequence

<i>FALL</i>	<i>SPRING</i>	<i>SUMMER</i>
<i>1st Semester</i>	<i>2nd Semester</i>	<i>3rd Semester</i>
CIT 130	CIT 114	EST 113
ELT 150	ELT 131	
HVC 111	ELT 134	
HVC 113	HVC 112	
ELT 179	HVC 114	
<i>FALL</i>	<i>SPRING</i>	
<i>4th Semester</i>	<i>5th Semester</i>	
ELT 111	HVC 132	
HVC 151	HVC 134	
HVC 152	COM 120	
MAT 131	Gen Ed Elec	
ENG 101 or ENG 111	Gen Ed Elec	

### Required Program Courses (45 hours)

**Cr. Hrs.**

CIT 114	Plumbing .....	3
CIT 130	Construction Plan Fundamentals .....	3
ELT 111	Computer Applications for Technicians .....	2
ELT 131	Residential Wiring .....	3
ELT 134	Motors, Controls, and Drives .....	3
ELT 150	Introduction to Electricity and Electronics. ....	3
ELT 179	Industrial Controls.....	3
EST 113	Work Experience and Ethics.....	1
HVC 111	Basic Air Conditioning .....	3
HVC 112	Basic Heating.....	3
HVC 113	Residential HVAC Installation .....	3
HVC 114	Ductwork Fabrication.....	2
HVC 132	HVAC Controls .....	3
HVC 134	Commercial HVAC and Service .....	3
HVC 151	Basic Air Conditioning Service.....	4
HVC 152	Basic Heating Service .....	3

### Required General Education Courses (15 hours)

COM 120	Interpersonal Communications .....	3
ENG 101	Composition I	
or ENG 111	Workplace Writing.....	3
MAT 131	Applied Mathematics .....	3
	General Education electives* .....	6

Total Semester Credit Hours

60