

# 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 includes instruction and testing to help students 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. 63.
- Students may substitute a technical elective for EST 113 with approval of program director.

### Suggested Full-time Sequence

FALL	SPRING	SUMMER
1st Semester	2nd Semester	3rd Semester
CTC 132	CIT 114	EST 113
CTC 193	ELT 131	
ELT 150	ELT 134	
HVC 111	HVC 112	
HVC 113	HVC 114	
ELT 179		

FALL	SPRING
4th Semester	5th Semester
CIT 130	HVC 132
HVC 151	HVC 134
HVC 152	COM 103
MAT 131	or COM 120
ENG 101 or ENG 111	Gen Ed Elec
	Gen Ed Elec

### Required Program Courses (45 hours)

Cr. Hrs.

CIT 114	Plumbing .....	3
CIT 130	Construction Plan Fundamentals .....	3
CTC 132	Computer Basics I .....	1
CTC 193	Windows .....	1
ELT 131	Residential Wiring .....	3
ELT 134	Motors, Controls, and Drives .....	3
ELT 150	Introduction to Electricity and Electronics. ....	3
ELT 179	Industrial Control Devices.....	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 Control Systems.....	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 103	Introduction to Public Speaking	
or COM 120	Interpersonal Communication.....	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