

HEATING, VENTILATION, AND AIR CONDITIONING (CONT'D)

HVAC INSTALLATION TECHNICIAN CERTIFICATE

Program Code: E.HVC.CER

Certificate

Graduation requirement — 30 semester hours

The HVAC Installation Technician program prepares graduates for entry-level positions as installers of heating, ventilation, and air conditioning system equipment for residential and light commercial facilities. The program prepares the student to earn EPA refrigerant certification.

Suggested Full-time Sequence

FALL	SPRING
1st Semester	2nd Semester
ELT 150	HVC 112
CIT 130	HVC 114
HVC 111	CIT 114
HVC 113	ELT 131
ELT 179	ELT 134

SUMMER
3rd Semester
EST 113

Required Program Courses (27 hours) Cr. Hrs.

CIT 114	Plumbing	3
CIT 130	Construction Plan Fundamentals	3
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

Total Semester Credit Hours 30

HVAC SERVICE TECHNICIAN I CERTIFICATE

Program Code: E.HAC.CER

Certificate

Graduation requirement — 45 semester hours

The HVAC Service Technician I program prepares graduates for entry-level positions troubleshooting and repairing heating, ventilation, and air conditioning systems in residential and light commercial facilities. The program prepares the student to earn EPA refrigerant certification.

Suggested Full-time Sequence

FALL	SPRING
1st Semester	2nd Semester
ELT 150	ELT 131
CIT 130	ELT 134
HVC 111	HVC 112
HVC 113	HVC 114
ELT 179	CIT 114

SUMMER
3rd Semester
EST 113

FALL
4th Semester
HVC 151
HVC 152
ENG 101 or ENG 111
ELT 111
MAT 131

Required Program Courses (39 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 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 151	Basic Air Conditioning Service	4
HVC 152	Basic Heating Service	3

Required General Education Courses (6 hours)

MAT 131	Applied Mathematics	3
ENG 101	Composition I	
or ENG 111	Workplace Writing	3

Total Semester Credit Hours 45