



Heating, Ventilation, and Air Conditioning Technology (HVAC) Residential/Light Commercial Certificate

2018–2019

DESCRIPTION:

In the HVAC Residential/Light Commercial certificate program, the student will gain the basic knowledge and skills of the basic residential and light commercial heat and cooling systems that are currently in the general market. This certificate is designed to help the individual become prepared to enter the HVAC career field as a second-year apprentice. For more information, see csc.edu/hvac.

ADMISSION REQUIREMENTS:

This is a non-selective, open-admission program. Students may begin this program during any semester.

ONGOING REQUIREMENTS:

Student can take the EPA 608 exam at the completion of HVAC 1140. The student can take the ESCO Certified Carbon Monoxide Inspector Exam at the end of HVAC 1150.

OPPORTUNITIES FOR GRADUATES:

Career:

The HVAC Residential/Light Commercial Certificate will prepare students for employment in the residential and light commercial market as entry level service technicians or installers.

Transfer:

Students who complete the Residential/Light Commercial Certificate will have courses to apply to the Heating, Ventilation, and Air Conditioning A.A.S degree.

**CERTIFICATE REQUIREMENTS (HEATING, VENTILATION, AND AIR CONDITIONING TECHNOLOGY
RESIDENTIAL/LIGHT COMMERCIAL CERTIFICATE):**

FIRST SEMESTER

Course	Term	Credits	Milestones/Progress Check
HVAC 1140 Principles of Refrigeration	AU/SP	3	• Student can take the EPA 608 exam at the completion of HVAC 1140.
HVAC 1160 Hand Tools/Safety	AU	3	
HVAC 1180 Wiring Circuits 1	AU	2	
Semester Credits		8	

SECOND SEMESTER

Course	Term	Credits	Milestones/Progress Check
HVAC 1150 Instrumentation/Combustion Process	SP	3	• The student can take the ESCO Certified Carbon Monoxide Inspector Exam at the end of HVAC 1150
HVAC 1280 Wiring Circuits 2	SP	3	
Semester Credits		6	

THIRD SEMESTER

Course	Term	Credits	Milestones/Progress Check
HVAC 2140 A/C & Heat Pump	AU/SP	4	• Students who complete all 7 courses receive the Residential / Light Commercial Certificate.
HVAC 2150 Heating Systems	AU/SP	3	
Semester Credits		7	
Total		21	

AU: Autumn Semester/SP: Spring Semester/SU: Summer Semester
Requirements subject to change.