



Heating, Ventilation, and Air Conditioning Technology (HVAC) Large Commercial Certificate

2018–2019

DESCRIPTION:

In the six-course HVAC Large Commercial Certificate program, the student will gain the basic knowledge of large commercial systems and how they interact with buildings and occupants. This certificate is designed to help the residential/light commercial service technician transfer into the world of large commercial equipment. Students learn with a combination of theory and hands-on education. For more information, see csc.edu/hvac.

ADMISSION REQUIREMENTS:

This certificate is NOT for beginners. It is designed for individuals with five or more years of directly-related industry experience or relevant education.

ONGOING REQUIREMENTS:

None.

OPPORTUNITIES FOR GRADUATES:

Career:

The HVAC Large Commercial Certificate prepares students for careers as building HVAC maintenance technicians, service technicians, or install mechanics for large commercial buildings like hospitals, computer servers, high-rise office buildings, and industrial applications.

Transfer:

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

CERTIFICATE REQUIREMENTS (HEATING, VENTILATION, AND AIR CONDITIONING TECHNOLOGY LARGE COMMERCIAL CERTIFICATE):

FIRST SEMESTER

Course	Term	Credits	Milestones/Progress Check
HVAC 1140 Principles of Refrigeration	AU/SP	3	
HVAC 1180 Wiring Circuits 1	AU	2	
Semester Credits		5	

SECOND SEMESTER

Course	Term	Credits	Milestones/Progress Check
HVAC 1150 Instrumentation / Combustion Process	SP	3	
HVAC 2190 Boiler Systems	SP	4	
Semester Credits		7	

THIRD SEMESTER

Course	Term	Credits	Milestones/Progress Check
HVAC 2170 Commercial A/C Systems	AU	3	<ul style="list-style-type: none"> • Students who complete all 6 courses receive the Large Commercial Certificate.
HVAC 2180 Advanced Controls	AU	5	
Semester Credits		8	
Total		20	

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