



# Heating, Ventilation, and Air Conditioning Technology (HVAC) Test and Balance Certificate

2018–2019

## DESCRIPTION:

This certificate is designed to help students understand how the building/equipment must work together to provide the proper requirements to allow the building/equipment to operate correctly. Students will be able to understand what is and how to perform building/equipment commissioning. Students learn with a combination of theory and hands-on education. For more information, see [csc.edu/hvac](http://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 Test and Balances Certificate prepares students for careers in HVAC design/commissioning and recommissioning as well as energy management and occupant comfort fields.

### Transfer:

Students who complete the Heating, Ventilation, and Air Conditioning Technology (HVAC) Test and Balance 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 TEST AND BALANCE CERTIFICATE):**

**FIRST SEMESTER**

Course	Term	Credits	Milestones/Progress Check
HVAC 1120 Load Calculations 1	SP	3	
HVAC 1140 Principles of Refrigeration	AU/SP	3	
HVAC 1150 Instrumentation / Combustion Process	SP	3	
ARCH 1100 Visual Communications 1	AU/SP/SU	1	
ARCH 1120 Architectural CAD 1	AU/SP/SU	1	
<b>Semester Credits</b>		<b>11</b>	

**SECOND SEMESTER**

Course	Term	Credits	Milestones/Progress Check
HVAC 2110 Piping Systems	AU	2	• Students who complete all 7 courses receive the Test and Balance Certificate.
HVAC 2220 Load Calculations 2	AU	2	
<b>Semester Credits</b>		<b>4</b>	
<b>Total</b>		<b>15</b>	

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