



DABNEY S. LANCASTER  
COMMUNITY COLLEGE

## Heating, Ventilation, Air Conditioning and Refrigeration Fundamentals Career Studies Certificate

Campus  
1000 Dabney Drive  
Clifton Forge, Virginia 24422  
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Rockbridge Regional Center  
35 Vista Links Drive  
Buena Vista, Virginia 24416  
540.261.1211  
RRCFrontDesk@dslcc.edu

[www.dslcc.edu](http://www.dslcc.edu)

### **Purpose**

This program will provide individuals with knowledge and skills to enter technical support positions related to heating, ventilation, air conditioning and refrigeration systems. It is important for those technicians to have an understanding of how electrical, electronic, mechanical, and computer technologies are used and integrated into systems that work efficiently and consistently perform with little downtime.

### **Admission Requirements**

Students who meet the admission requirements to the College are eligible for enrollment into the program. Individuals are expected to be proficient in basic English, mathematics and reading. Appropriate developmental courses are available for those who need to update their skills.

### **Program Description**

The DSLCC program covers fundamentals, energy management, basic of control systems, and safety. Students will be prepared to earn industry certifications and government credentials.

### **Employment Outlook**

The outlook for HVACR technicians is very good, as growth is expected to be better than average. It is important to complete training for securing the best jobs as newer systems are more and more complex. In 2012, median pay was \$43,640, with the top 10 percent earning over \$68,900.



For more information contact:

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## Heating, Ventilation, Air Conditioning and Refrigeration Fundamentals

Course Number	Course name	Cr.	Pre/Co Requisites	Semester Completed	Grade
<b>First Semester – Fall (11 credits)</b>					
AIR 121	Air Conditioning & Refrigeration I	4	None		
BLD 110	Introduction to Construction	3	None		
ELE 140	Basic Electricity and Machinery	4	None		
<b>Second Semester – Spring (11 credits)</b>					
AIR 122	Air Conditioning & Refrigeration II	4	Pre: AIR 121		
AIR 134	Circuits and Controls I	3	None		
AIR 154	Heating System I	4	None		

Total credits required for Career Studies Certificate in  
Heating Ventilation, Air Conditioning and Refrigeration Fundamentals      22

***Please note that these will be evening courses scheduled at Rockbridge County High School, 143 Greenhouse Road, located off of North Lee Highway (Route 11). Take Exit 55 (Lexington), Interstate 64.***

#### TRANSFER OPTIONS

Agreements exist between Dabney S. Lancaster Community College and various four-year colleges and universities. Contact Student Services for information about further study after graduation from DSLCC.

#### DISCLAIMERS

Every effort is made to ensure accuracy, but the College reserves the right to make edits with respect to course offerings, programs and requirements contained in this publication. This information is provided for the convenience of the reader and DSLCC disclaims any liability.  
Please note that not all courses are offered at all locations or during all sessions. Check class sites and times when registering.  
Most programs of study begin in the fall semester. Please note that while new students are welcome to enroll in any session, those who enter in spring or summer will likely find that completion of requirements may take longer.