Lehigh Carbon Community College
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Heating, Ventilation, Air Conditioning, Refrigeration (HVACR) Program

Lehigh Carbon Community College (LCCC) announces an accelerated Heating Ventilation Air Conditioning Refrigeration (HVACR) certificate program that will begin in August for the Fall 2021 semester. The training will be identical to the existing certificate program but at an accelerated pace, and students will receive the same training and certifications as the other programs. The program, when followed as designed, will take 12 months to complete instead of 24 months, with HVACR classes to be offered during the summer, as well as both morning and evening classes, which allows students the flexibility to take classes no matter what their work schedule responsibilities are.

Students in both of LCCC's degree and regular certificate programs will benefit from the new HVACR program, allowing them to take classes in other semesters and pick up classes they may have missed. Students can also begin in either the fall or spring semester.

All the HVACR programs are variations of the Associate in Applied Science (A.A.S.) degree, with the difference being the amount of time the student needs or wants to complete the requirements. Students can switch from one program to another if the need arises, and those who have completed the certificate program can continue to earn credits towards the A.A.S. in the following semester if desired.

For more information, enrollment and schedule options on this program, contact LCCC Advisor Mary Black at mblack@lccc.edu. For academic, training and facilities information, contact Timothy Brady, assistant professor, at tbrady@lccc.edu or 610-799-1028.

HVACR Program Sequencing Comparison

A.A.S.			Certificate			Accel. Certificate		
Course Code	Course Title	Credits	Course Code	Course Title	Credits	Course Code	Course Title	Credits
	FALL SEMESTER			**FALL SEMESTER**			**FALL SEMESTER**	
HAC 104	Basic Electricity	3	HAC 104	Basic Electricity	3	HAC 104	Basic Electricity	3
HAC 119	Construction Print Reading	3	HAC 119	Construction Print Reading	3	HAC 119	Construction Print Reading	3
HAC 131	Air Conditioning and Refrigeration I	3	HAC 131	Air Conditioning and Refrigeration I	3	HAC 131	Air Conditioning and Refrigeration I	3
MAT 118	Business and Financial Mathematics	3				HAC 150	Heating Systems	3
ENG 105	Research and Composition	3						
	SEMESTER TOTAL	**15**		**SEMESTER TOTAL**	**9**		**SEMESTER TOTAL**	**12**
	SPRING SEMESTER			**SPRING SEMESTER**			**SPRING SEMESTER**	
HAC 132	Air Conditioning and Refrigeration II	3	HAC 132	Air Conditioning and Refrigeration II	3	HAC 132	Air Conditioning and Refrigeration II	3
HAC 140	Electrical Maintenance I	3	HAC 140	Electrical Maintenance I	3	HAC 140	Electrical Maintenance I	3
HAC 150	Heating Systems	3	HAC 150	Heating Systems	3	HAC 135	Domestic Oil Burners	3
ENG 107	Writing in the Workplace	3				HAC 204	Gas Furnaces	3
ENG 111	Speech	3						
	SEMESTER TOTAL	**15**		**SEMESTER TOTAL**	**9**		**SEMESTER TOTAL**	**12**
	SUMMER SEMESTER			**SUMMER SEMESTER**			**SUMMER SEMESTER**	
						HAC 145	Advanced Air Conditioning and Refrigeration	3
						HAC 125	Piping and Hydronic Heating	3
						HAC 160	Residential Wiring	3
						HAC 203	Heat Pumps	3
							SEMESTER TOTAL	**12**
	FALL SEMESTER			**FALL SEMESTER**				
HAC 135	Domestic Oil Burners	3	HAC 135	Domestic Oil Burners	3			
HAC 145	Advanced Air Conditioning and Refrigeration	3	HAC 145	Advanced Air Conditioning and Refrigeration	3			
HAC 160	Residential Wiring	3	HAC 160	Residential Wiring	3			
HAC 155	Electrical Maintenance II	3						
PHY 101	Conceptual Physics	4						
Elective	Social Science/Humanities	3						
	SEMESTER TOTAL	**19**		**SEMESTER TOTAL**	**9**			
	SPRING SEMESTER			**SPRING SEMESTER**				
HAC 125	Piping and Hydronic Heating	3	HAC 125	Piping and Hydronic Heating	3			
HAC 203	Heat Pumps	3	HAC 203	Heat Pumps	3			
HAC 204	Gas Furnaces	3	HAC 204	Gas Furnaces	3			
HAC 210	HVACR Practicum	2						
HAC 250	Commercial and Industrial Wiring	3						
Elective	Social Science/Humanities	3						
	SEMESTER TOTAL	**17**		**SEMESTER TOTAL**	**9**			
	TOTAL CREDITS	**66**		**TOTAL CREDITS**	**36**		**TOTAL CREDITS**	**36**