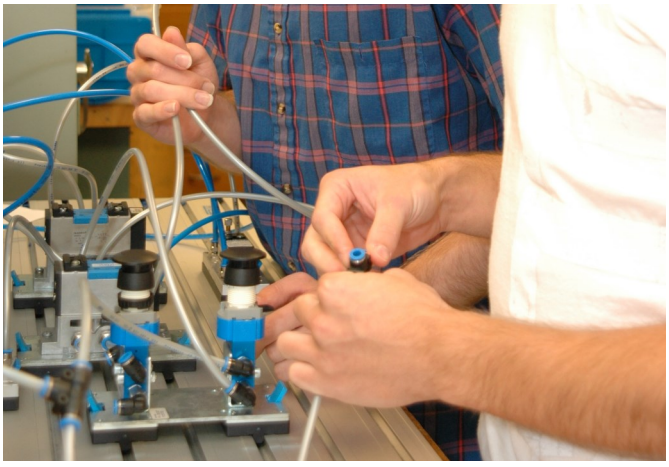
Northwest State Community College

HVAC-R (CLIMATE CONTROL) CERTIFICATE

HVAC-R (Climate Control) Certificate

Heating, Ventilating, Air Conditioning, and Refrigeration, as a technical discipline, has made its transition to the "high-tech" field. Modern environmental control equipment use advanced controls involving pneumatic, electro-mechanical and direct digital control technologies. Today, common HVAC-R applications include the use of computers and computer network interfaces to facilitate building/space climate control and monitoring. Presently, manpower shortages exist for qualified personnel (see http://www.mepatwork.com for additional information). Men and women wanting to enter this field must understand these advanced technologies, their controls and communications networks if they are to be successful in this changing field.



Career Outlook

A wide variety of employment possibilities exist for those individuals who have training in the Climate Control field. HVAC-R Installers and Service Technicians are always needed to support companies involved in product sales and service.

STEM and Industrial Technology Division

Ryan Hamilton
Dean

Education Pays
Average Annual Earnings
Based on Education

Based on data from the Bureau of Labor Statistics

Questions:
NSCC Admissions Office
(419) 267-1320
admissions@NorthwestState.edu

www.NorthwestState.edu

2019-2020

NSCC is accredited by:
The Higher Learning Commission
(312) 263-0456
www.ncahigherlearningcommission.org

PROGRAM SEQUENCE

Northwest State Community College

First Semester / 1st 8 weeks		Credits
+IND120	Industrial Electricity I	3
IND105	Industrial Safety	2
+AET110	Energy Audit	3
		8

First Semester / 2nd 8 weeks		Credits
+INT120	HVACR I	3
+IND220	Electrical Prints & Troubleshooting	3
+IND131	Industrial Pipefitting	3
		9

Second Semester / 1st 8 weeks		Credits
+IND223	Motors & Motor Controls	3
+IND121	Industrial Electricity II	3
	Communications Elective	3
		9

Second Semester / 2nd 8 weeks		Credits
+INT220	HVACR II	3
+INT221	HVACR III	3
		6

Total Program Credit Hours **32**

+ Refers to technical coursework. Students must attain a minimum grade of “C” in these technical courses to progress in the program and to graduate.

Gainful employment information for NSCC's certificate programs can be found online at: https://northweststate.edu/gedt/hvac/
Gainful employment information includes: estimated cost of the program, average student loan debt and types of jobs available.

Course curriculum is subject to change. Please consult with an Academic Advisor for up-to-date information. Updated 2/10/20