



Heating, Ventilation and Air Conditioning (HVAC): Certificate

<http://catalog.ivcc.edu/guidesheet/certificate/hvac/>



This Career Pathway Plan of Study is to serve as a guide as coursework may change. Other career planning materials may be used as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives Recommended Electives Learner Activities	Career and Technical Courses and/or Degree Major Courses	SAMPLE Occupations Relating to This Pathway
SECONDARY	9	English I	Algebra I Geometry	Physical Science	World History	Consumer Ed, Am. Gov., Speech 11th grade; Take IVCC Placement test		<ul style="list-style-type: none"> •HVAC Installer •Wind Turbine Technicians •Wind Energy Technicians •Wind Turbine Machinist •Installation, Maintenance, and Repair Worker •Electromechanical Technician •Electrical & Power Transmission Installers •Industrial Electronics Technicians
	10	English II	Geometry Algebra II	Biology				
	11	AP English Language English III	Algebra II Pre-Calculus	Chemistry	US History			
	12	English IV	Pre-Calculus Calculus	Physics			DUAL CREDIT COURSES* (see high school counselor) The following courses may be offered as dual credit at the Area Career Center & some high schools ELE 1206, CSP 1203, CAD 1200	
To view detailed descriptions of the below courses, go to: http://catalog.ivcc.edu/courses/								
POSTSECONDARY	13						FALL ELE 1200 Basic Industrial Electricity I HVC 1210 Basic Heating HVC 1220 Basic Refrigeration HVC 1230 Sheet metal Fabrication SPRING ELE 1202 Motors and Controls I ELE 1204 Programmable Logic Controllers I ELE 1206* Electrical Wiring HVC 1240 Design, Installation & Servicing HVC 2210 Advanced Heating ANY SEMESTER CSP 1203* Microsoft Professional or CAD 1200* Computer Aided Draft I AutoCAD	
	Year 14 & 15 Continue courses in the area of specialization							

** Go to www.catalog.ivcc.edu/autosubstitutions/ to view allowed substitutions for required courses that may be offered as Dual Credit/Dual Enrollment at area high schools