

Heating, Ventilation, & Air Conditioning Academic Degree Map

Certificate B



Year 1 – Fall Semester			
Course Code	Course Title	Credits	Notes
HVA 103	Safety Orientation / OSHA 10	1	
HVA 1044	HVAC Fundamentals	4	Prerequisite(s): Co-requisite: HVA 103 OSHA 10.
HVA 1104	Electrical Fundamentals	4	
HVA 120	Domestic Refrigeration	3	Prerequisite(s): HVA 103 & HVA 1044.
HVA 140	Heating System Fundamentals	3	Prerequisite(s): HVA 103 & HVA 1104.
HVA 170	Design and Blueprint Reading	3	Prerequisite(s): HVA 103 OSHA, HVA 1044, and HVA 140
	Math Option ¹	3	Based upon placement testing requirements.
CREDIT HOURS SUBTOTAL		21	

Year 1 – Spring Semester			
Course Code	Course Title	Credits	Notes
HVA 130	Controls and Motors	3	Prerequisite(s): HVA 104, HVA 110, HVA 120, HVA 140.
HVA 150	Cooling	3	Prerequisite(s): HVA 104, HVA 110, HVA 120, HVA 170.
HVA 151	Advanced Refrigeration	3	Prerequisite(s): HVA 104, HVA 110, HVA 120 with a grade of C or higher or with instructor approval.
HVA 161	EPA 608	1	Prerequisite(s): HVA 1044 & HVA 120 with a grade of C or higher or with instructor approval.
HVA 181	Commercial Refrigeration	3	Prerequisite(s): HVA 104 and HVA 120 with a grade of C or higher or with instructor approval.
HVA 185	Workplace Skills	1	
HVA 199	Occupational Work Experience	2	Prerequisite(s): HVA 181 and faculty recommendation.
	English Option ²	3	Based upon placement testing requirements.
CREDIT HOURS SUBTOTAL		19	

TOTAL HOURS IN PROGRAM: 40

Math Options ¹			
Course Code	Course Title	Credit Hours	Notes
MAT 101	Technical Mathematics I	3	Prerequisite(s): Meet placement guidelines.
MAT 108	Beginning Algebra	3	
MAT 109	Technical Mathematics II	3	Prerequisite(s): Meet placement guidelines OR MAT 101 with a grade of "C" or higher OR MAT 108 with a grade of "C" or higher.
MAT 110	Intermediate Algebra	3	Prerequisite(s): Meet placement guidelines OR MAT 108 Beginning Algebra with a grade of "C" or higher.
MAT 135	College Algebra	3	Prerequisite(s): Meet Placement Guidelines OR MAT 109 with a grade of "C" or better OR MAT 110 with a grade of "C" or better.

English Options ²			
Course Code	Course Title	Credit Hours	Notes
COM 110	Technical Writing	3	Prerequisite(s): Meet placement guidelines.
COM 105	English Composition I	3	Prerequisite(s): Meet placement guidelines.
OM 106	English Composition II	3	Prerequisite(s): COM 105 with a grade of "C" or higher.