

EDUCATION FOR EMPLOYMENT PROGRAM OF STUDY		
Major area of study: Heating, Air Conditioning & Refrigeration/Heat, Ventilation, Air Condition		
HIGH SCHOOL		COLLEGE
EFE Program: Heating, Air Conditioning & Refrigeration		Certificate: Heat, Ventilation, Air Condition
CIP Code: DUAL ENROLLED PROGRAM		CIP Code: 15.0501
HIGH SCHOOL SCHEDULE		
9 TH GRADE	Graduation Requirements: Electives (2), English, Foreign Language, Health, Math (Algebra), Physical Education, Science (Biology), Social Studies (US History/Geography)	
10 TH GRADE	Graduation Requirements: Electives (2), English, Foreign Language, Math (Geometry), Science (Chemistry/Physics), Social Studies (Government/Econ)	
11 TH GRADE	Graduation Requirements: Electives (3), English, Math (Algebra II), Science (3 rd), Social Studies (World History/Geography)	EFE High School Program Heating, Air Conditioning & Refrigeration Kalamazoo Valley Community College Credit HVAC 118: Electricity/HVAC Controls I (3CR) HVAC 119: Electricity/HVAC Controls II (3CR) HVAC 123: Refrigeration I (3CR) HVAC 124: Refrigeration II (3CR)
12 TH GRADE	Graduation Requirements: Electives (5), English, Fine Arts, Math (HVAC equivalent credit)	
Delete two electives a year for a 6 hour day; delete three electives a year for a five hour day.		
High School courses listed above in red bold (yellow highlight) provide an opportunity to earn FREE COLLEGE CREDIT for the college course(s) listed below in black bold (yellow highlight). Students must maintain a B or higher per semester/trimester to earn credit.		
COLLEGE SCHEDULE		
Program Requirements for a Certificate		
HVAC 118 (3CR) Electricity/HVAC Controls I HVAC 119 (3CR) Electricity/HVAC Controls II	HVAC 133 (3CR) Heating Concepts & Systems II	HVAC 215 (2CR) Hydronic Heat/Hot Water Boiler
HVAC 123 (3CR) Refrigeration I HVAC 124 (3CR) Refrigeration II	HVAC 141 (3CR) Sheet Metal Layout I	HVAC 220 (3CR) Heat/Air Condition Systems Des
HVAC 125 (1CR) EPA Recovery/Certification	HVAC 200 (1CR) Customer Relations	HVAC 230 (2CR) Heat Pumps & Chilled Water Systems
HVAC 132 (3CR) Heating Concepts & Systems I	HVAC 209 (2CR) Oil Burners	HVAC 100 (2CR) Shop Fundamentals or HVAC 110 (2CR) Duct/Hydronic System Design
Required Credit Hours:	34	Average Salary Range: \$20,000 - \$90,000
Earned College Credit Hours:	3-12	Occupations: Furnace and Air Conditioning Repair, Refrigerator Repair, HVAC Mechanic, HVAC Installer, Boilermaker, Home Appliance Repairer
Hours Remaining to Obtain Degree:	22-31	
Average College Savings:	\$918.00	
*Subject to change – tuition rates based at \$76.50/Credit (CR)		