

# Guided Pathways Program Map

NAME OF PROGRAM OF STUDY: **HEATING, VENTILATION, AND AIR CONDITIONING**

EXPECTED CERTIFICATE/DEGREE (Total Number of Units):  
**CERTIFICATE OF COMPLETION-30 CREDIT HOURS-FULL TIME**

**DEVELOPMENT EDUCATION OPTIONS:** At EPCC, some students need to take developmental courses in Reading, Writing, Math, and/or ESOL based on their placement scores. Designed to prepare students for their college level courses, developmental courses are also offered in accelerated formats to help students reach this level faster. There are many support services available to help students succeed on their developmental paths. Students should enroll in any required developmental coursework their first semester in order to meet college course requirements and not delay degree completion. You can also visit [Developmental Education](http://epcc.edu) webpage at [epcc.edu](http://epcc.edu) to access the information.



**PROGRAM DESCRIPTION:** This one-year Certificate of Completion in Heating, Ventilation, and Air Conditioning (HVAC) prepares students for employment in the heat transfer industries. Course content provides theory and practical experience in Heating, Air Conditioning, and Refrigeration Technology.

**CAREER OPPORTUNITIES:** This certificate prepares students for careers in commercial/residential Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR). Students completing the Certificate of Completion in HVACR gain the knowledge to enter the field in technical positions. Students are offered the opportunity to take the exam for Environmental Protection Agency (EPA) Certification Section 608 which is required by federal law when handling refrigerants. Students who pass this exam are certified to handle refrigerants. EPA, Northern American Technical Excellence (NATE) Refrigeration Service Engineer Society (RSES) are recognized certifications which opens the door for students applying for city, state, and federal positions.

Bring in this degree plan every time you meet with a counselor for advising and updating.

Expires in 5 years

2019 - 2020  
C2-HARC

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**EXPECTED CERTIFICATE/DEGREE (Total Number of Units):  
CERTIFICATE OF COMPLETION-30 CREDIT HOURS-FULL TIME**

Student Name \_\_\_\_\_ ID# \_\_\_\_\_ VA Student \_\_\_\_\_

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

Counselor Name \_\_\_\_\_ Counselor Signature \_\_\_\_\_

◆ **Courses count toward the Certificate of Completion in Residential HVAC Technician  
FIRST YEAR**

**SUMMER SESSION**

Code	Course Name	Units	Milestones	Policies/structures needed to support student progression	Semester Completed	Grade
ENGL 1301	Expository English Composition	3	Completion of the Certificate of Completion in Heating, Ventilation, & Air Conditioning.	Core Curriculum Course		
◆^Select one Mathematics elective to take		3		Core Curriculum Course		
<b>Total</b>		<b>6</b>				

^**MATH 1332** is the preferred course to take for HVAC. However, you may take another Mathematics elective course that better suits you. Check the [course catalog](#) for all applicable courses and information and/or visit your counselor/advisor to review your options.

**FIRST SEMESTER**

Code	Course Name	Units	Milestones	Policies/structures needed to support student progression	Semester Completed	Grade
◆HART 1407	Refrigeration Principles	4	Please visit your counselor/advisor to discuss your next semester courses.			
◆HART 1401	Basic Electricity HVAC	4				
◆HART 1445	Gas & Electric Heating	4				
<b>Total</b>		<b>12</b>				

**SECOND SEMESTER**

Code	Course Name	Units	Milestones	Policies/structures needed to support student progression	Semester Completed	Grade
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◆HART 1403	Air Conditioning Control Principles	4				
HART 1441	Residential Air Conditioning	4	Please visit your counselor/advisor to discuss your next semester courses.			
HART 2442	Commercial Refrigeration	4				
<b>Total</b>		<b>12</b>				

**TRANSFER PATHS AND REQUIREMENTS:** Students who plan to transfer are encouraged to obtain degree requirement for the transfer school and to work with an advisor or counselor to ensure transferability of EPCC courses to the transfer school.