
Guided Pathways Program Map

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

**EXPECTED CERTIFICATE/DEGREE (Total Number of Units):
ASSOCIATES OF APPLIED SCIENCE-60 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](#) webpage at epcc.edu to access the information.



PROGRAM DESCRIPTION: This two-year Associate of Applied Science degree in Heating, Ventilation, and Air Conditioning (HVAC) prepares students for employment in the heat transfer industries. Course content provides theory and practical experience in this field. This program also offers certificate options. The capstone course for the AAS degree is HART 2380: Cooperative Education – Heating Air Conditioning and Refrigeration Technology.

CAREER OPPORTUNITIES: This course of study prepares students for careers in commercial/ residential heating to enter the field in technical or administrative positions. Students are offered the opportunity to take the exam for EPA Certification, which is required by federal law when handling refrigerants. Students who pass the exam are allowed to handle refrigerants. Environmental Protection Agency (EPA), Section 608, Northern American Technical Excellence (NATE) and Refrigeration Services Excellence Society (RSES) are recognized certifications which open the door for students to apply for city, state, and federal positions.

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

2019 - 2020
AAS-HART

Expires in 5 years

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ASSOCIATE OF APPLIED SCIENCE-60 CREDIT HOURS-FULL TIME**

Student Name _____ ID# _____ VA Student _____

Student Signature _____ Date _____

Counselor Name _____ Counselor Signature _____

◆ Courses count toward the Certificate of Completion in Heating, Ventilation, and Air Conditioning

* Courses count toward the Residential HVAC Technician Certificate of Completion-C1-HVAC

FIRST YEAR

FIRST SEMESTER

| Code | Course Name | Units | Milestones | Policies/structures needed to support student progression | Semester Completed | Grade |
|--------------------------------------------------------------------------------|---------------------------------|-----------|-----------------------------------------------------------------------------|-----------------------------------------------------------|--------------------|-------|
| ◆*HART 1407 | Refrigeration Principles | 4 | | | | |
| ◆*HART 1401 | Basic Electricity HVAC | 4 | | | | |
| ◆*HART 1445 | Gas & Electric Heating | 4 | | | | |
| *DFTG 1325 | Blue Print Reading & Sketching | 3 | | | | |
| *^Select one of the following courses to take: KINE 2100 or KINE 1100 | Weight Training or Conditioning | 1 | Please visit your counselor/ advisor to discuss your next semester courses. | | | |
| Total | | 16 | | | | |

SECOND SEMESTER

| Code | Course Name | Units | Milestones | Policies/structures needed to support student progression | Semester Completed | Grade |
|-------------|-------------------------------------|-------|-------------------------------------|-----------------------------------------------------------|--------------------|-------|
| ◆*HART 1403 | Air Conditioning Control Principles | 4 | | | | |
| ◆HART 1441 | Residential Air Conditioning | 4 | | | | |
| ◆HART 2442 | Commercial Refrigeration | 4 | Please visit your counselor/advisor | | | |

| Code | Course Name | Units | Milestones | Policies/structures needed to support student progression | Semester Completed | Grade |
|----------------------------------------|-------------|-----------|----------------------------------------|-----------------------------------------------------------|--------------------|-------|
| *^Select one Computer elective to take | | 3 | to discuss your next semester courses. | | | |
| Total | | 15 | | | | |

^**INMT 1370** is the preferred course to take for HVAC. However, you may take another Computer elective course if it better suits you. Check the [course catalog](#) for all applicable courses and information and/or visit your counselor/advisor to review your options.

SUMMER SESSION ONE

| Code | Course Name | Units | Milestones | Policies/structures needed to support student progression | Semester Completed | Grade |
|-----------------------------------------------------------|-----------------------------------------|-----------|----------------------------------------------------------------------------|-----------------------------------------------------------|--------------------|-------|
| HART 2438 | Air Conditioning Installation & Startup | 4 | | | | |
| ◆ENGL 1301 | Expository English Composition | 3 | | Core Curriculum Course | | |
| ◆^Select one Mathematics elective to take | | 3 | | Core Curriculum Course | | |
| ^Select one Social & Behavioral Sciences elective to take | | 3 | Please visit your counselor/advisor to discuss your next semester courses. | Core Curriculum Course | | |
| PHIL 2306 | Ethics | 3 | | Core Curriculum Course | | |
| Total | | 16 | | | | |

^**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.

^**SOCI 1301** is the preferred course to take for HVAC. However, you may take another Social & Behavioral Sciences 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.

SECOND YEAR

FOURTH SEMESTER

| Code | Course Name | Units | Milestones | Policies/structures needed to support student progression | Semester Completed | Grade |
|---------------------------------------|-------------|-------|------------|-----------------------------------------------------------|--------------------|-------|
| ^Select one Business elective to take | | 3 | | | | |

| Code | Course Name | Units | Milestones | Policies/structures needed to support student progression | Semester Completed | Grade |
|---------------------------------------------------|----------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------|-------|
| HART 2380 | Cooperative Education–Heating, Air Conditioning & Refrigeration Technology/ Technician | 3 | Completion of the Associate of Applied Science degree in Heating, Ventilation, & Air Conditioning | | | |
| ^Select one Speech Communication elective to take | | 3 | | Core Curriculum Course | | |
| HART 2470 | Pneumatics & System Controllers | 3 | | | | |
| Total | | 12 | | | | |

^BUSG 1301 is the preferred course to take for HVAC. However, you may take another Business 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.

^SPCH 1315 is the preferred course to take for HVAC. However, you may take another Speech Communication 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.

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.