



HVAC AND REFRIGERATION TECHNOLOGY CAREER PATHWAY MAP

✓	RECOMMENDED COURSE SEQUENCE	General Ed. Area shown on page 2	SEMESTERS OFFERED	MY PLAN (Semester and Year)	CREDIT HOURS
<input type="checkbox"/>	1. HART 1307 Refrigeration Principles		F		3
<input type="checkbox"/>	2. HART 1341 Residential Air Conditioning		F		3
<input type="checkbox"/>	3. ELPT 1311 Basic Electrical Theory		F,SP		3
<input type="checkbox"/>	4. ENTC 1347 Safety and Ergonomics		F,SP		3
<input type="checkbox"/>	5. DFTG 1325 Technical Drawing Reading & Sketching		F,SP,SU		3
					<i>15 hours</i>
<input type="checkbox"/>	6. HART 2336 A/C Troubleshooting		SP		3
<input type="checkbox"/>	7. HART 1345 Gas & Elect. Heating		SP		3
<input type="checkbox"/>	8. HART 2449 Heat pumps		SP		4
<input type="checkbox"/>	9. HART 2331 Adv. Elect. For HVAC-R		SP		3
<input type="checkbox"/>	10. HART 2334 Adv. A/C Controls		SP		3
	Residential A/C Certificate Earned				31 hours
<input type="checkbox"/>	11. HART 2441 Commercial A/C		SU		4
<input type="checkbox"/>	12. HART 2342 Commercial Refrigeration		SU		3
<input type="checkbox"/>	13. HART 2457 Specialized Commercial Refrig		SU		4
	***Commercial Refrigeration Certificate Earned ***				42 hours
<input type="checkbox"/>	14. HART 1383 Internship		SU		3
<input type="checkbox"/>	15. <i>ENGL 1301 Composition I</i>	GE H&FA !	F, SP, SU		3
<input type="checkbox"/>	16. <i>PHIL 1301 Introduction to Philosophy*</i>	GE H&FA !	F, SP, SU		3
<input type="checkbox"/>	17. <i>MATH 1332 Contemporary Mathematics or MATH1342 Elementary Statistical Methods **</i>	GE NS&M @	F, SP, SU		3
<input type="checkbox"/>	18. <i>SOCI 1301 Introductory Sociology*</i>	GE S&B \$	F, SP, SU		3
<input type="checkbox"/>	19. <i>SPCH 1315 Public Speaking*</i>	GE AC %	F, SP, SU		3
	*** ASSOCIATE OF APPLIED SCIENCE DEGREE EARNED ***				60 hours
	NOTE: Check with the Office of Financial Aid as aid may not be available beyond degree completion and/or 60 hours.				

READ ALL NOTES CAREFULLY:

- a) Courses in **bold** have a pre-requisite (previous course required). [See Catalog](#)
 - b) Courses in *italics* can be taken in any order.
 - c) ENGL 1301 and the first MATH class may require a co-requisite and/or developmental course depending on TSI Scores.
 - d) Refer to [KC Catalog](#) for Field of Study and Degree Requirements.
- * Refer to list of General Ed. Courses and KC Catalog for all possible options.

** [Required for degree plan]

CAREER OPPORTUNITIES

Career Options: HVAC Technician, Refrigeration Technician

Salary Information: 59,810 (2024 Median Salary-U.S. Bureau of Labor Statistics)

<https://www.bls.gov/ooh/installation-maintenance-and-repair/heating-air-conditioning-and-refrigeration-mechanics-and-installers.htm>

ADVANCED DEGREES/CREDENTIAL OPPORTUNITIES

EPA-608

LINKS TO COLLEGES AND PROFESSIONAL ORGANIZATIONS:

NCCER-National Center for Construction Education and Research <https://www.nccer.org/>

TDLR- Texas Department of Licensing & Regulation <https://www.tdlr.texas.gov/acr/>

CONTACT INFORMATION (Click link for [KC Digital Map](#))

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Kilgore College Composite List of General Education Courses

! Humanities and Fine Arts

[ARTS 1301 \(T\) - Art Appreciation](#)
[ARTS 1303 \(T\) - Art History I](#)
[ARTS 1304 \(T\) - Art History II](#)
[DANC 2303 \(T\) - Dance Appreciation](#)
[DRAM 1310 \(T\) - Theatre Appreciation](#)
DRAM 2361 - History of the Theatre I
DRAM 2362 - History of the Theatre II
[DRAM 2366 \(T\) - Film Appreciation](#)
[ENGL 1302 \(T\) - Composition II](#)
[ENGL 2322 \(T\) - British Literature I](#)
[ENGL 2323 \(T\) - British Literature II](#)
[ENGL 2326 \(T\) - American Literature](#)
[ENGL 2332 \(T\) - World Literature I](#)
[ENGL 2333 \(T\) - World Literature II](#)
[HIST 1301 \(T\) - United States History I](#)
[HIST 1302 \(T\) - United States History II](#)
[HIST 2311 \(T\) - Western Civilization I](#)
[HIST 2312 \(T\) - Western Civilization II](#)
[HIST 2321 \(T\) - World Civilizations I](#)
[HIST 2322 \(T\) - World Civilizations II](#)
[MUSI 1306 \(T\) - Music Appreciation](#)
[PHIL 1301 \(T\) - Introduction to Philosophy](#)
[PHIL 2306 \(T\) - Introduction to Ethics](#)

\$ Social and Behavioral Sciences

[CRIJ 1301 \(T\) - Introduction to Criminal Justice](#)
[ECON 2301 \(T\) - Principles of Macroeconomics](#)
[ECON 2302 \(T\) - Principles of Microeconomics](#)
[GEOG 1303 \(T\) - World Regional Geography](#)
[GOVT 2305 \(T\) - Federal Government](#)
[GOVT 2306 \(T\) - Texas Government](#)
[HIST 1301 \(T\) - United States History I](#)
[HIST 1302 \(T\) - United States History II](#)
[PSYC 2301 \(T\) - General Psychology](#)
[PSYC 2314 \(T\) - Lifespan Growth and Development](#)
[SOC1 1301 \(T\) - Introductory Sociology](#)
[SOC1 1306 \(T\) - Social Problems](#)
[SOC1 2301 \(T\) - Marriage and the Family](#)
[TECA 1354 \(T\) - Child Growth and Development](#)

@ Natural Sciences and Mathematics

[BIOL 1406 \(T\) - Biology for Science Majors I](#)
[BIOL 1407 \(T\) - Biology for Science Majors II](#)
[BIOL 1408 \(T\) - Biology for Non-Science Majors I](#)
[BIOL 1409 \(T\) - Biology for Non-Science Majors II](#)
[BIOL 2401 \(T\) - Human Anatomy and Physiology I](#)
[BIOL 2402 \(T\) - Human Anatomy and Physiology II](#)
[BIOL 2406 \(T\) - Environmental Biology](#)
[CHEM 1405 \(T\) - Introductory Chemistry I \(lecture + lab\)](#)
[CHEM 1406 \(T\) - Introductory Chemistry I \(lecture + lab, allied health emphasis\)](#)
[CHEM 1411 \(T\) - General Chemistry I \(lecture + lab\)](#)
[CHEM 1412 \(T\) - General Chemistry II \(lecture + lab\)](#)
[ENVR 1401 \(T\) - Environmental Science I](#)
[GEOL 1301 \(T\) - Earth Sciences for Non-Science Majors I \(lecture\)](#)
[GEOL 1403 \(T\) - Physical Geology \(lecture + lab\)](#)
[GEOL 1404 \(T\) - Historical Geology \(lecture + lab\)](#)
[GEOL 1405 \(T\) - Environmental Science \(lecture + lab\)](#)
[MATH 1314 \(T\) - College Algebra](#)
MATH 1316 - Plane Trigonometry
[MATH 1324 \(T\) - Mathematics for Business and Social Sciences](#)
[MATH 1325 \(T\) - Calculus for Business and Social Sciences](#)
[MATH 1332 \(T\) - Contemporary Mathematics](#)
[MATH 1342 \(T\) - Elementary Statistical Methods](#)
[MATH 1350 \(T\) - Mathematics for Teachers I](#)
[MATH 1351 \(T\) - Mathematics for Teachers II](#)
[MATH 2412 \(T\) - Pre-Calculus Math](#)
[MATH 2413 \(T\) - Calculus I](#)
[MATH 2414 \(T\) - Calculus II](#)
[MATH 2415 \(T\) - Calculus III](#)
[PHYS 1303 \(T\) - Stars and Galaxies \(lecture\)](#)
[PHYS 1401 \(T\) - College Physics I](#)
[PHYS 1402 \(T\) - College Physics II](#)
PHYS 1403 - Stars and Galaxies
[PHYS 1404 \(T\) - Solar System](#)
[PHYS 1405 \(T\) - Elementary Physics I](#)
[PHYS 2425 \(T\) - University Physics I](#)
[PHYS 2426 \(T\) - University Physics II](#)

% Additional Course

An additional course from the lists above or [SPCH 1315](#) or [SPCH 1318](#) or [EDUC 1300](#) or [ENGL 2311](#) or [BCIS 1305](#)