

**Associate in Applied Science in
Air Conditioning and Refrigeration Technology to
Bachelor in Applied Arts and Sciences, Manufacturing
and Industrial Management
Safety Concentration
Guided Pathway
Effective for the 2018-2019 catalog¹**

First Year – Eastfield College²

FIRST SEMESTER	SECOND SEMESTER
HART 1401 – Basic Electricity for HVAC [^]	HART 1441 – Residential Air Conditioning
HART 1403 – Air Conditioning Control Principles [^]	HART 1445 – Gas and Electric Heating
HART 1407 – Refrigeration Principles [^]	HART 2449 – Heat Pumps
^C ENGL 1301 – Composition I (010)	^C MATH Elective* (020)

Total Semester Hours: 15

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Second Year – Eastfield College

It's best to apply to Tarleton State University a full semester before you plan to transfer.

FIRST SEMESTER	SECOND SEMESTER
HART 2342 – Commercial Refrigeration	HART 2368 – Practicum (or field experience)-Heating, Air Conditioning and Refrigeration <u>OR</u> HART 2380 – Cooperative Education-Heating, Air Conditioning and Refrigeration Technology/Technician
HART 2441 – Commercial Air Conditioning	HART 1451 – Energy Management
HART 2436 – Air Conditioning Troubleshooting	HART 2334 – Advanced Air Conditioning Controls
^C Humanities/Fine Arts Elective* (040 OR 050)	^C SPCH 1311 – Intro to Speech Communication (090)
	^C PSYC 2301 – General Psychology (080)

Total Semester Hours: 14

Total Semester Hours: 16

AAS: Air Conditioning and Refrigeration Technology (60 hours)

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research & Reporting for Technologists	ENGT 4320 Occupational Safety and Health
ENGT 3320 Industrial Safety	ENGT 3395 Project Management
^C HIST 1301 United States History I	ENGT 3326 Ergonomics and Work Methods (Spring Only)
^C GOVT 2306 Texas Government	ENGT 3360 Safety Management
^C *Life and Physical Science Core Elective	MATH 1316 Plane Trigonometry <u>OR</u> MATH 1342 Elementary Statistics
SUMMER	
^C ENGL 1302 Composition II	^C *Life and Physical Science Core Elective
^C *Any Core Elective Course	

Fourth Year - Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3375 Continuous Improvement	Advanced Elective Course
Advanced ENGT Course	Advanced Elective Course
Advanced Elective Course	^C HIST 1302 United States History II
Advanced Elective Course	Advanced ENGT Course
^C Language, Philosophy & Culture OR Creative Arts Core Elective	^C GOVT 2305 Federal Government

This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.

Part-time students may also follow this sequence. Developmental coursework may be required.

¹ You may use this pathway if you entered one of the seven colleges on or before this date.

² Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by one of the seven colleges of the DCCCD awarding the degree.

^C This course counts for the Core Curriculum at any public college or university in Texas.

* There are several options to fulfill this requirement. See your academic advisor for a specific list.

[^] Course is taught in a 5-week format

() Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.