



**Associate of Applied Science in
Air Conditioning and Refrigeration Technology to
Bachelor of Applied Arts and Sciences in
Manufacturing and Industrial Management
Safety Concentration^T
Guided Pathway
Effective for the 2019-2020 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	Total Semester Hours: 15

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.

Total Semester Hours: 30-32

These courses may be completed at DCCCD (if offered) or TSU-Stephenville Campus	
^C HIST 1301 United States History I	MATH 1316 Plane Trigonometry <u>OR</u> MATH 1342 Elementary Statistics
^C GOVT 2306 Texas Government	^C *Life and Physical Science Core Elective
^C *Life and Physical Science Core Elective	^C *Language, Philosophy & Culture OR Creative Arts Core Elective
^C ENGL 1302 Composition II	^C GOVT 2305 Federal Government
^C *Any Core Course (1-3 credits)	^C HIST 1302 United States History II

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
ENGT 3360 Safety Management	ENGT 3326 Ergonomics and Work Methods (Spring Only)
Advanced Elective Course	Advanced ENGT Course
Total Semester Hours: 12	Total Semester Hours: 12

Fourth Year - Tarleton State University

FIRST SEMESTER
ENGT 3375 Continuous Improvement
Advanced ENGT Course
Advanced Elective Course
Advanced Elective Course
Advanced Elective Course

Total Semester Hours: 15

Total Degree Hours: 129-131

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

You must earn a grade of "C" or better in English 1301 and the selected college-level mathematics course.

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

Approved: 2019-2020 Guided Pathway

^T Degree availability varies by campus; consult www.tarleton.edu for more information.