



AAS. Heating, Air Conditioning and Refrigeration Technology-Commercial HVAC/R Technician to Bachelor of Applied Arts and Sciences in Manufacturing and Industrial Management<sup>T</sup>

**Guided Pathway**  
2021-2022 Catalog

**First Year - Tarrant County College District**

FIRST SEMESTER	SECOND SEMESTER
HART 1401 - Basic Elect Heating, Vent & Air Cond	HART 1441 - Residential Air Conditioning
HART 1407 - Refrigeration Principles	HART 2431 - Adv Electr Heat, Vent and Air Cond (HVAC)
HART 2445 - Residential Air Cond Systems Design	ENGL 1301(010) - Composition I <sup>C</sup>
MATH 1332 (020)- Contemporary Mathematics <sup>C*</sup>	KINE 1164(090) - Introduction to Physical Fitness & Wellness <sup>C</sup>
	SPCH 1321(010) - Business and Professional Comm <sup>C*</sup>
Total Semester Hours: 15	Total Semester Hours: 15

**Second Year - Tarrant County College District**

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

FIRST SEMESTER	SECOND SEMESTER
GOVT 2305(070) - Federal Government <sup>C*</sup>	HART 2443 - Industrial Air Conditioning
HART 1403 - Air Conditioning Control Principles	HART 2438 - Air Conditioning Installation and Startup
HART 2441 - Commercial Air Conditioning	HART 2434 - Advanced Air Conditioning Controls <sup>*</sup>
HART 2402 - Commercial Air Conditioning Syst Design <sup>*</sup>	ARTS 1301(050) – Art Appreciation <sup>C*</sup>
Total Semester Hours: 15	Total Semester Hours: 15

**AAS: Electronics Technology - Heating, Air Conditioning and Refrigeration Technology-Commercial HVAC/R Technician**

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

**These courses may be completed at TCC (if offered) or TSU**

<sup>C</sup> HIST 1301 United States History I	<sup>C</sup> HIST 1302 United States History II
<sup>*C</sup> Life and Physical Science Core Elective (4 credits)	<sup>*C</sup> Life and Physical Science Core Elective (4 credits)
<sup>*C</sup> Social and Behavioral Science Core Elective	<sup>C</sup> GOVT 2306 Texas Government
<sup>*C</sup> Language, Philosophy and Culture Core Elective	
<sup>C</sup> ENGL 1302 Composition II	MATH 1316 Plane Trigonometry OR MATH 1342 Elementary Statistical Methods
Total Semester Hours: 16	Total Semester Hours: 13

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Total Semester Hours: 12	Total Semester Hours: 12

**Fourth Year – Tarleton State University**

FIRST SEMESTER
Tarleton Course
Tarleton Course
Tarleton Course
Tarleton Course
Tarleton Course
Total Semester Hours: 15

Total Degree Hours: 128

**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.
- <sup>\*</sup> You may take a different course to meet this requirement. A specific list is available from your advisor.
- <sup>C</sup> This course counts for the Core Curriculum at any public college or university in Texas.
- <sup>( )</sup> Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.
- <sup>T</sup> Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.