

**Associate in Applied Science in  
Air Conditioning and Refrigeration Technology to  
Bachelor in Applied Arts and Sciences, Manufacturing  
and Industrial Management  
Industrial Management Concentration  
Guided Pathway  
Effective for the 2018-2019 catalog<sup>1</sup>**

**First Year – Eastfield College<sup>2</sup>**

FIRST SEMESTER	SECOND SEMESTER
<b>HART 1401</b> – Basic Electricity for HVAC <sup>^</sup>	<b>HART 1441</b> – Residential Air Conditioning
<b>HART 1403</b> – Air Conditioning Control Principles <sup>^</sup>	<b>HART 1445</b> – Gas and Electric Heating
<b>HART 1407</b> – Refrigeration Principles <sup>^</sup>	<b>HART 2449</b> – Heat Pumps
<sup>C</sup> <b>ENGL 1301</b> – Composition I (010)	<sup>C</sup> <b>MATH Elective*</b> (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
<b>HART 2342</b> – Commercial Refrigeration	<b>HART 2368</b> – Practicum (or field experience)-Heating, Air Conditioning and Refrigeration <u>OR</u> <b>HART 2380</b> – Cooperative Education-Heating, Air Conditioning and Refrigeration Technology/Technician
<b>HART 2441</b> – Commercial Air Conditioning	<b>HART 1451</b> – Energy Management
<b>HART 2436</b> – Air Conditioning Troubleshooting	<b>HART 2334</b> – Advanced Air Conditioning Controls
<sup>C</sup> <b>Humanities/Fine Arts Elective*</b> (040 OR 050)	<sup>C</sup> <b>SPCH 1311</b> – Intro to Speech Communication (090)
	<sup>C</sup> <b>PSYC 2301</b> – 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 4336 Production Planning
ENGT 3375 Continuous Improvement	ENGT 3395 Project Management
ENGT 3386 Quality Management	MATH 1316 Plane Trigonometry <u>OR</u> MATH 1342 Elementary Statistics
<sup>C</sup> * Any Core Elective Course	ENGT 4346 Manufacturing Management
<sup>C</sup> * Life and Physical Sciences Core Elective	<sup>C</sup> * Life and Physical Science Core Elective
SUMMER	
<sup>C</sup> ENGL 1302 Composition II	<sup>C</sup> * Language, Philosophy & Culture OR Creative Arts Core Elective
<sup>C</sup> GOVT 2306 Texas Government	

**Fourth Year - Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 4347 Metrics and Measurement (Fall Only)	Advanced Elective Course
Advanced ENGT Course	Advanced Elective Course
Advanced Elective Course	<sup>C</sup> HIST 1302 United States History II
Advanced Elective Course	Advanced ENGT Course
<sup>C</sup> HIST 1301 United States History I	<sup>C</sup> 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.

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

<sup>2</sup> 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.

<sup>C</sup> 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.

<sup>^</sup> Course is taught in a 5-week format

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