

**TRANSFER PATHWAY**  
**(For Transfer to Tarleton State University)**  
**ASSOCIATE OF APPLIED SCIENCE IN AIR CONDITIONING AND REFRIGERATION TECHNOLOGY TO**  
**BACHELOR OF APPLIED ARTS AND SCIENCES IN MANUFACTURING AND INDUSTRIAL MANAGEMENT <sup>T</sup>**

**Catalog Year**    2021-2022    You may use this pathway if you entered Dallas College on or before this date.

**Career Path**    Manufacturing and Industrial Technologies

**Available at**    Eastfield Campus

**TSI**    Must be Complete

## SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

Although there may be several options to fulfill certain requirements for the associate's degree, please note that this pathway lists the specific courses leading to this bachelor's degree. All plans can be modified to fit the needs of part-time students. This is not an official degree plan. Refer to catalog for official degree requirements. You must receive a GPA of at least 2.00 on all college-level course work. Students must earn at least 25% of the credit hours required for graduation through instruction by Dallas College. Certain courses for this program are only offered at the Eastfield Campus. Contact your advisor for information.

### AAS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS

#### SEMESTER 1 Total Hours: 15

**HART 1401** – Basic Electricity for HVAC *Course is taught in a 5-week format.*  
**HART 1403** – Air Conditioning Control Principles *Course is taught in a 5-week format.*  
**HART 1407** – Refrigeration Principles *Course is taught in a 5-week format.*  
**ENGL 1301** – Composition I *This is a (CB 010) Core course. Must earn a grade of "C" or higher.*

#### SEMESTER 2 Total Hours: 15

**HART 1441** – Residential Air Conditioning  
**HART 1445** – Gas and Electric Heating  
**HART 2449** – Heat Pumps  
**Mathematics Core Elective** *This is a (CB 020) Core course. Must earn a grade of "C" or higher. There are several options to fulfill this requirement. Contact your academic advisor for a specific list.*

#### SEMESTER 3 Total Hours: 14

**HART 2342** – Commercial Refrigeration  
**HART 2441** – Commercial Air Conditioning  
**HART 2436** – Air Conditioning Troubleshooting  
**Humanities/Fine Arts (TSU requires) Core Elective** *This is a (CB 040 or CB 050) Core course. There are several options to fulfill this requirement. Contact your academic advisor for a specific list.*

#### SEMESTER 4 Total Hours: 16

**HART 1451** – Energy Management  
**HART 2334** – Advanced Air Conditioning Controls  
**SPCH 1311** – Introduction to Speech Communication *This is a (CB 090) Core course.*  
**PSYC 2301** – General Psychology *This is a (CB 080) Core course.*  
**CHOOSE ONE:**    **HART 2368** – Practicum (or field experience)-Heating, Air Conditioning and Refrigeration Technology/Technician **OR**  
                               **HART 2380** – Cooperative Education-Heating, Air Conditioning and Refrigeration Technology/Technician

**TARLETON STATE UNIVERSITY**  
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**THESE COURSES MAY BE COMPLETED AT DALLAS COLLEGE (IF OFFERED) OR TSU**

**Total Hours: 30**

ENGL 1302 – Composition I  
Life and Physical Science Core Elective (4 credits) X 2  
HIST 1301 – US History I  
HIST 1302 – US History II  
GOVT 2305 – Federal Government  
GOVT 2306 – Texas Government  
Language, Philosophy and Culture Core Elective  
MATH 1316 Plane Trigonometry or MATH 1342 Elementary Statistical Methods  
Any 1 Credit Core Elective

**SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS**

For questions about the university portion of this transfer pathway, contact the **Academic Advising Office** at (254) 968-9746 or [advising@tarleton.edu](mailto:advising@tarleton.edu). It is best to apply to Tarleton State University a full semester before you plan to transfer.

**SEMESTER 1**

**Total Hours: 15**

Tarleton Course  
Tarleton Course  
Tarleton Course  
Tarleton Course  
Tarleton Course

**SEMESTER 2**

**Total Hours: 12**

Tarleton Course  
Tarleton Course  
Tarleton Course  
Tarleton Course

**SEMESTER 3**

**Total Hours: 12**

Tarleton Course  
Tarleton Course  
Tarleton Course  
Tarleton Course

<sup>†</sup> Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.