

## TRANSFER PATHWAY

(For Transfer to Tarleton State University)

### ASSOCIATE OF APPLIED SCIENCE IN AIR CONDITIONING AND REFRIGERATION TECHNOLOGY RESIDENTIAL 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** Cedar Valley Campus and 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 Cedar Valley Campus and 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  
**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 2438** – Air Conditioning Installation and Startup  
**HART 2445** – Residential Air Conditioning Systems Design  
**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.*  
**SPCH 1311** – Introduction to Speech Communication *This is a (CB 090) Core course.*

#### SEMESTER 4 Total Hours: 16

**HART 2436** – Air Conditioning Troubleshooting  
**PSYC 2301** – General Psychology *This is a (CB 080) Core course.*  
**Electives\*** (2 Courses)  
**CHOOSE ONE:** **HART 1394** – Special Topics in Heating, Air Conditioning and Refrigeration Mechanic and Repairer **OR**  
**HART 2380** – Cooperative Education-Heating, Air Conditioning and Refrigeration

\* Must select Elective course from the following: Any 3 credit-hour HART course not previously identified as part of the award pattern. **OR** Any 3 credit-hour course from: ACNT 1303, BUSI 1301, COSC 1301, SPAN 1300

(For Transfer from Dallas College)

**ASSOCIATE OF APPLIED SCIENCE IN AIR CONDITIONING AND REFRIGERATION TECHNOLOGY RESIDENTIAL TO  
BACHELOR OF APPLIED ARTS AND SCIENCES IN MANUFACTURING AND INDUSTRIAL MANAGEMENT**

**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.