



INDUSTRY,
MANUFACTURING
& CONSTRUCTION



**Associate of Applied Science in
Construction Technology – HVAC Commercial Emphasis to
BAAS in Manufacturing and Industrial Management
Safety Management Concentration ^T
Guided Pathway
Effective for the 2019-2020 Catalog¹**



First Year Courses – North Lake College²

FIRST SEMESTER	SECOND SEMESTER
OSHT 1307 – Construction Site Safety and Health OR OSHT 1313 – Accident Prevention, Inspection, and Investigation	CNBT 1300 – Residential and Light Commercial Blueprint Reading
ARCE 1303 – Architectural Materials and Methods of Construction	CNBT 2281 – Cooperative Education-Construction/ Engineering Technology/Technician
^C SPCH 1311 – Introduction to Speech Communication OR (090) ^C SPCH 1315 – Public Speaking OR (090) ^C SPCH 1321 – Business and Professional Communication (090)	^C ENGL 1301 – Composition I (010)
HART 1307 – Refrigeration Principles	^C Humanities/Fine Arts Elective* (040 or 050)
HART 1301 – Basic Electricity for HVAC	CBFM 2317 – Mechanical Maintenance
	HART 1303 – Air Conditioning Control Principles

Total Semester Hours: 15

Total Semester Hours: 17

Second Year Courses – North Lake College

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

FIRST SEMESTER	SECOND SEMESTER
^C Social/Behavioral Sciences Elective* (080)	CNBT 2381 – Cooperative Education-Construction Engineering Technology/Technician
^C Natural Science Elective* (4 credits) (030)	HART 2302 – Commercial Air Conditioning System Design
HART 2336 – Air Conditioning Troubleshooting	CBFM 2311 – Building Maintenance II
HART 2341 – Commercial Air Conditioning	HVAC-Commercial Electives+ (2 Courses)

Total Semester Hours: 13

Total Semester Hours: 15

AAS: Construction Technology – HVAC Commercial Emphasis (60 hours)

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 North Lake College (if offered) or TSU-Stephenville Campus

^C HIST 1302 – United States History II (060)	^C GOVT 2306 – Texas Government (070)
^C Math Core Elective (020)	^{C*} Life and Physical Science Core Elective (030) (4 credits)
^C Language, Philosophy and Culture Core Elective (040) OR Creative Arts Core Elective (050)	^C ENGL 1302 – Composition II (010)
^C Institutional Option Core Elective (1-3 credits) (090)	^C GOVT 2305 – Federal Government (070)
^C HIST 1301 – United States History I (060)	MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods

Total Hours: 29-31

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3360 – Safety Management	ENGT 3320 – Industrial Safety
ENGT 3318 – Research and Reporting For Technologists	ENGT 3395 – Project Management
Advanced ENGT Course	Advanced ENGT Course
Advanced Elective Course	Advanced Elective Course

Total Semester Hours: 12

Total Semester Hours: 12

Fourth Year - Tarleton State University

FIRST SEMESTER
ENGT 4320 – Occupational Safety and Health
ENGT 3326 – Ergonomics and Work Methods (Spring Only)
ENGT 3375 – Continuous Improvement
Advanced Elective Course
Advanced Elective Course

Total Semester Hours: 15

Total Degree Hours: 128-130

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.

+ HVAC Commercial Electives: Six (6) hours of electives must be chosen from the following: CNBT 1302, CNBT 1311, CNBT 1346, CNBT 1359, CNBT 2304, CNBT 2315, CNBT 2317, ITSC 1301

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

() 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.

For questions about the university portion of this guided pathway,

contact the Engineering Technology Department at 254-968-9014 or engineering.technology@tarleton.edu.