



**Associate of Applied Science in
Construction Technology – Pipefitting Emphasis to
BAAS in Manufacturing and Industrial Management
Industrial 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 <i>OR</i> 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 <i>OR</i> (090) ^c SPCH 1315 – Public Speaking <i>OR</i> (090) ^c SPCH 1321 – Business and Professional Communication (090)	^c ENGL 1301 – Composition I (010)
PFPB 1308 – Basic Pipefitting Skills	^c Humanities/Fine Arts Elective* (040 or 050)
PFPB 2307 – Pipe Fabrication and Installation I	PFPB 2341 – Pipe Fabrication and Installation II WLDG 1435 – Introduction to Pipe Welding

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)	PFPB 2343 – Advanced Pipe Practices
WLDG 1317 – Introduction to Layout and Fabrication	PFPB 1350 – Plumbing and Pipefitting Equipment Safety
CNBT 2270 – Pipe Welding for the Construction Professional	Pipefitting Electives+ (2 Courses)

Total Semester Hours: 13

Total Semester Hours: 15

AAS: Construction Technology – Pipefitting 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
Advanced ENGT Elective	ENGT 4336 Production Planning
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
ENGT 3375 Continuous Improvement	ENGT 4346 Manufacturing Management
ENGT 3386 Quality Management	Advanced ENGT Elective

Total Semester Hours: 12

Total Semester Hours: 12

Fourth Year - Tarleton State University

FIRST SEMESTER
ENGT 4347 Metrics and Measurement (Fall Only)
Advanced Elective
Advanced Elective
Advanced Elective
Advanced Elective

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.

+ Pipefitting Electives: Six (6) hours of electives must be chosen from the following: CNBT 1311, CNBT 1346, CNBT 1359, CNBT 2304, CNBT 2315, CNBT 2317, DFTG 1309, DFTG 2319, ENTC 1323, 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.