



**Associate of Applied Science in  
Construction Technology – Pipefitting Emphasis to  
BAAS in Manufacturing and Industrial Management  
Safety Management Concentration <sup>T</sup>  
Guided Pathway  
Effective for the 2019-2020 Catalog <sup>1</sup>**



**First Year Courses – North Lake College<sup>2</sup>**

| FIRST SEMESTER  | SECOND SEMESTER   |
|---|---|
| OSHT 1307 – Construction Site Safety and Health <b>OR</b><br>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 |
| <sup>C</sup> SPCH 1311 – Introduction to Speech Communication <b>OR</b> (090)<br><sup>C</sup> SPCH 1315 – Public Speaking <b>OR</b> (090)<br><sup>C</sup> SPCH 1321 – Business and Professional Communication (090) | <sup>C</sup> ENGL 1301 – Composition I (010)                                      |
| PFPB 1308 – Basic Pipefitting Skills  | <sup>C</sup> 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  |
|--|--|
| <sup>C</sup> Social/Behavioral Sciences Elective* (080)    | CNBT 2381 – Cooperative Education-Construction Engineering Technology/Technician |
| <sup>C</sup> 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**

|  |   |
|--|---|
| <sup>C</sup> HIST 1302 – United States History II (060)  | <sup>C</sup> GOVT 2306 – Texas Government (070)                                 |
| <sup>C</sup> Math Core Elective (020)  | <sup>C</sup> *Life and Physical Science Core Elective (030) (4 credits)         |
| <sup>C</sup> Language, Philosophy and Culture Core Elective (040) OR Creative Arts Core Elective (050) | <sup>C</sup> ENGL 1302 – Composition II (010)                                   |
| <sup>C</sup> Institutional Option Core Elective (1-3 credits) (090)                                    | <sup>C</sup> GOVT 2305 – Federal Government (070)                               |
| <sup>C</sup> HIST 1301 – United States History I (060)   | MATH 1316 – Plane Trigonometry or<br>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.

<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.

+ 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**

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