



AAS in Industrial Maintenance Technician to
Bachelor of Applied Arts and Sciences in
Manufacturing and Industrial Management
Safety Management Concentration^T
Guided Pathway
2019-2020 Catalog



First Year - Tarrant County College District

| FIRST SEMESTER | SECOND SEMESTER |
|--|---|
| CETT 1409 - DC-AC Circuits | ELPT 2405 - Motors and Transformers |
| INMT 1305 - Intro to industrial Maintenance | RBTC 1401 - Programmable Logic Controllers |
| HART 1407 - Refrigeration Principles | WLDG 1428 - Intro Shielded Metal Arc Welding (SMAW) |
| HART 1403 - Air Conditioning Control Principles | ELMT 2337 - Electronic Troubleshooting, Service & Repair |
| Total Semester Hours: 15 | Total Semester Hours: 15 |

Second Year – Tarrant County College District

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

| FIRST SEMESTER | SECOND SEMESTER |
|---|---|
| HYDR 1345 - Hydraulics and Pneumatics | GOVT 2305(070) – Federal Government ^C |
| HYDR 1450 - Hydraulics, Fabrication & Repair | ENGL 1301(010) – Composition I ^C |
| RBTC 1447 - Electro-Mechanical Devices | SPCH 1321 (010) - Business & Professional Communication ^C |
| INMT 2488 – Internship-Manufacturing Technology/Technician | MATH 1314(020) – College Algebra ^C |
| Total Semester Hours: 15 | Total Semester Hours: 12 |

AAS: Industrial Maintenance Technician

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 TCC (if offered) or TSU-Stephenville Campus

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|---|---|
| ^{C*} Life and Physical Science Core Elective (4 credits) (030) | ^{C*} Life and Physical Science Core Elective (4 credits) (030) |
| ^C HIST 1301 – United States History I | ^C HIST1302 – United States History II |
| ^C GOVT 2306 – Texas Government | ^{C*} Language, Philosophy and Culture Core Elective (040) |
| MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods | ^{C*} Any Core Applicable Course |
| ^{C*} Creative Arts Core Elective (050) | ^{C*} Social and Behavioral Science Core Elective (080) |
| | ^C ENGL 1302 – Composition II |
| Total Semester Hours: 16 | Total Semester Hours: 17 |

Third Year – Tarleton State University

| FIRST SEMESTER | SECOND SEMESTER |
|---|--|
| Advanced ENGT Elective | ENGT 4320 Occupational Safety and Health |
| ENGT 3318 Research & Reporting for Technologists | ENGT 3395 Project Management |
| ENGT 3326 Ergonomics and Work Methods (Spring Only) | ENGT 3360 Safety Management |
| ENGT 3320 Industrial Safety | Advanced ENGT Elective |
| Total Semester Hours: 12 | Total Semester Hours: 12 |

Fourth Year – Tarleton State University

| FIRST SEMESTER |
|----------------------------------|
| ENGT 3375 Continuous Improvement |
| Advanced Elective |
| Advanced Elective |
| Advanced Elective |
| Advanced Elective |
| Total Semester Hours: 15 |

Total Degree Hours: 129

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.

* You may take a different course to meet this requirement. A specific list is available from your advisor.

^C This course counts for the Core Curriculum at any public college or university in Texas.

() Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.

^T Degree availability varies by campus; consult www.tarleton.edu for more information.