



AAS in Industrial Maintenance Technician to
Bachelor of Applied Arts and Sciences in
Manufacturing and Industrial Management
General Without Certification 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

^{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
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
Advanced ENGT Elective	Advanced ENGT Elective
Advanced ENGT Elective	Advanced ENGT Elective
Advanced ENGT Elective	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.