



AAS. Industrial Maintenance Technician to  
Bachelor of Applied Arts and Sciences in Manufacturing and Industrial Management<sup>T</sup>  
**Guided Pathway**  
2021-2022 Catalog

**First Year - Tarrant County College District**

FIRST SEMESTER	SECOND SEMESTER
CETT 1409 - DC-AC Circuits	HART 2431 - Advanced Electricity for Heating, Ventilation and Air Conditioning (HVAC)
INMT 1305 - Intro to industrial Maintenance	HYDR 1345 - Hydraulics and Pneumatics
HART 1407 - Refrigeration Principles	WLDG 1312 - Introduction to Flux Cored Arc Welding (FCAW)
ENGL 1301(010) – Composition I <sup>C</sup>	RBTC 1401 - Programmable Logic Controllers
Total Semester Hours: 14	Total Semester Hours: 14

**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
MATH 1314(020) – College Algebra <sup>C*</sup>	ARTS-1301 (050) Art Appreciation <sup>C*</sup>
HART 1403 - Air Conditioning Control Principles	GOVT 2305(070) – Federal Government <sup>C</sup>
RBTC 1351 - Robotic Mechanisms	INMT 2345 - Industrial Troubleshooting
ELMT 2337 - Electronic Troubleshooting, Service and Repair	SPCH 1321 - Business & Professional Communication <sup>C</sup>
WLDG 1417 - Introduction to Layout and Fabrication	INMT 2380 - Cooperative Education - Manufacturing Technology/Technician
Total Semester Hours: 17	Total Semester Hours: 15

**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**

<sup>C</sup> HIST 1301 United States History I	<sup>C</sup> HIST 1302 United States History II
<sup>*C</sup> Life and Physical Science Core Elective (4 credits)	<sup>*C</sup> Life and Physical Science Core Elective (4 credits)
<sup>*C</sup> Social and Behavioral Science Core Elective	<sup>C</sup> GOVT 2306 Texas Government
<sup>*C</sup> Language, Philosophy and Culture Core Elective	<sup>*C</sup> Any 1 Credit Core Elective Course
<sup>C</sup> ENGL 1302 Composition II	MATH 1316 Plane Trigonometry OR MATH 1342 Elementary Statistical Methods
Total Semester Hours: 16	Total Semester Hours: 14

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Total Semester Hours: 12	Total Semester Hours: 12

**Fourth Year – Tarleton State University**

FIRST SEMESTER
Tarleton Course
Tarleton Course
Tarleton Course
Tarleton Course
Tarleton Course
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.
- <sup>\*</sup> You may take a different course to meet this requirement. A specific list is available from your advisor.
  - <sup>C</sup> This course counts for the Core Curriculum at any public college or university in Texas.
  - <sup>(I)</sup> Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.
  - <sup>T</sup> Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.