



**AAS in Industrial Maintenance to
Bachelor of Applied Arts & Sciences
Manufacturing and Industrial Management
Safety Concentration^T
Guided Pathway
Effective for the 2020-2021 Catalog**



First Year Hill College

FIRST SEMESTER – 17 Hours	SECOND SEMESTER – 18 Hours
INMT 1305 Introduction to Industrial Maintenance	BCIS 1305 Business Computer Applications ^{090*}
ELPT 1311 Basic Electrical Theory	INMT 1319 Manufacturing Processes
WLDG 1421 Welding Fundamentals	MCHN 1320 Precision Tools and Measurement
MCHN 1302 Print Reading for Machining Trades	MCHN 1438 Basic Machine Shop I
MCHN 1343 Machine Shop Mathematics	ELMT 1305 Basic Fluid Power
POFT 1220 Job Search Skills	

Total Semester Hours: 18

Total Semester Hours: 16

Second Year Hill College

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

FIRST SEMESTER – 13 Hours	SECOND SEMESTER – 12 Hours
ELPT 2419 Programmable Logic Controllers I	INMT 2380 Co-Op Education, Manufacturing Technology
ELPT 2405 Motors and Transformers	ELPT 1325 National Electric Code or MCHN 2303 Fundamentals CNC Machine Controls
C Social and Behavioral Sciences ^{080*}	C ENGL 1301 Composition I ⁰¹⁰
C Mathematics ^{020*}	C Language, Philosophy and Culture ^{040*}

Total Semester Hours: 14

Total Semester Hours: 12

AAS: Industrial Maintenance

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 taken at Hill College (if offered) or TSU	
C MATH 1316 Plane Trigonometry OR MATH 1342 Statistics	C Life & Physical Science Core Elective (4 credits)
C ENGL 1302 – Composition II	C Creative Arts Core Elective
C Life & Physical Science Core Elective (4 credits)	C GOVT 2306 Texas Government
C Communication Core Elective	C GOVT 2305 Federal Government
C HIST 1301 United States History I	C HIST 1302 United States History II

Total Semester Hours: 16

Total Semester Hours: 16

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research & Reporting for Technologists	ENGT 4320 Occupational Safety and Health
Advanced Elective Course	ENGT 3395 Project Management
ENGT 3320 Industrial Safety	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 3360 Safety Management
Advanced ENGT Course
Advanced Elective Course
ENGT 3326 Ergonomics and Work Methods (Spring)
ENGT 3375 Continuous Improvement

Total Semester Hours: 15

Total: 131

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.

For questions about the university portion of this pathway,
Contact the Department of Engineering Technology at 254-968-9014 or engineering.technology@tarleton.edu.