

**Associate of Applied Science in Industrial Machining Applied Technology
Specialization: Industrial Rotating Equipment Mechanic (Millwright) to
Bachelor of Applied Arts and Sciences in
Manufacturing and Industrial Management
Safety Management Concentration ^T
Guided Pathway
Effective for the 2019-2020 Catalog**



First Year – Del Mar College

FIRST SEMESTER	SECOND SEMESTER
MCHN 1325 Millwright I	MCHN 1300 Beginning Machine Shop
MCHN 1338 Basic Machine Shop I	MCHN 2305 Millwright III
MCHN 1341 Basic Machine Shop II	MCHN 2307 Millwright IV
MCHN 1329 Millwright II	MCHN 1343 Machine Shop Mathematics
^C MATH 1314 – College Algebra	
Total Semester Hours: 15	Total Semester Hours: 12

Second Year – Del Mar College

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

FIRST SEMESTER	SECOND SEMESTER
MCHN 1308 Basic Lathe	MCHN 1313 Basic Milling Operations
MCHN 2321 Millwright V	MCHN 2316 Millwrighting VII
MCHN 2314 Millwright VI	MCHN 2318 Millwright VIII
^C ENGL 1301 – Composition I	
Total Semester Hours: 12	Total Semester Hours: 9

THIRD SEMESTER	
INMT 2388 Internship-Manufacturing Technology / Tech	^C SPCH 1311– Intro. To Speech Communication
^C PSYC 2301 – General Psychology	^C PHIL 1301 – Intro. To Philosophy
Total Semester Hours: 12	

**AAS: Industrial Machining Applied Technology
Specialization: Industrial Rotating Equipment Mechanic (Millwright)**

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 Del Mar College (if offered) or TSU-Stephenville Campus	
^{C*} Any Core Elective (1-3 credits)	MATH 1316 Plane Trigonometry or MATH 1342 Elementary Statistics
^{C*} Life and Physical Science Core Elective (4 credits)	^{C*} Life and Physical Science Core Elective (4 credits)
^C ENGL 1302 Composition II	^{C*} GOVT 2306 Texas Government
^{C*} Creative Arts Core Elective	^C HIST 1302 United States History II
^C HIST1301 United States History I	^C GOVT 2305 Federal Government

Total Semester Hours: 14-16

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
ENGT 3320 Industrial Safety	ENGT 3395 Project Management
ENGT 3360 Safety Management	ENGT 3326 Ergonomics and Work Methods (Spring Only)
Advanced Elective Course	Advanced ENGT Course

Total Semester Hours: 12

Total Semester Hours: 12

Fourth Year - Tarleton State University

FIRST SEMESTER
ENGT 3375 Continuous Improvement
Advanced ENGT Course
Advanced Elective Course
Advanced Elective Course
Advanced Elective Course

Total Semester Hours: 15

Total Degree Hours: 129-131

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 Engineering Department at 254-968-9014 or engineering.technology@tarleton.edu.