



**Associate of Applied Science in Industrial Machining Applied Technology  
Specialization: Industrial Rotating Equipment Mechanic (Millwright) to  
Bachelor of Applied Arts and Sciences  
Manufacturing and Industrial Management  
General Concentration <sup>T</sup>**



**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
<sup>C</sup> 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
<sup>C</sup> ENGL 1301 – Composition I	

Total Semester Hours: 12

Total Semester Hours: 9

THIRD SEMESTER	
INMT 2388 Internship-Manufacturing Technology / Tech	<sup>C</sup> SPCH 1311– Intro. To Speech Communication
<sup>C</sup> PSYC 2301 – General Psychology	<sup>C</sup> 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**

<sup>C*</sup> Any Core Elective (1-3 credits)	MATH 1316 Plane Trigonometry or MATH 1342 Elementary Statistics
<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> ENGL 1302 Composition II	<sup>C*</sup> GOVT 2306 Texas Government
<sup>C*</sup> Creative Arts Core Elective	<sup>C</sup> HIST 1302 United States History II
<sup>C</sup> HIST1301 United States History I	<sup>C</sup> 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	Advanced ENGT Course
Advanced ENGT Course	ENGT 3395 Project Management
Advanced ENGT Course	Advanced ENGT Course
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.

<sup>C</sup> 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.

<sup>T</sup> Degree availability varies by campus; consult [www.tarleton.edu](http://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](mailto:engineering.technology@tarleton.edu).