



AAS – Industrial Machining Applied Technology to  
**Bachelor of Applied Arts and Sciences**  
**Manufacturing and Industrial Management**  
**Safety Management Concentration <sup>T</sup>**  
**Guided Pathway**



Effective for the 2019-2020 Catalog

### First Year – Del Mar College

FIRST SEMESTER	SECOND SEMESTER
MCHN 1300 Beginning Machine Shop	DFTG 1309 Basic Computer – Aided Drafting
MCHN 1338 Basic Machine Shop I	MCHN 1313 Basic Milling Operations
MCHN 1341 Basic Machine Shop II	MCHN 1358 Interned Lathe Operations
MCHN 1308 Basic Lathe	<b>ENGL 1301 Composition I</b>
<b><sup>C</sup>GEOL 1301 Earth Sciences*</b>	<b><sup>C</sup>SPCH 1311 Intro Speech Communication</b>

Total Semester Hours: 15

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### Second Year – Del Mar College

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

FIRST SEMESTER	SECOND SEMESTER
MCHN 1343 Machine Shop Mathematics	MCHN 2338 Advanced Computer Aided Manufacturing
MCHN 2302 Intermediate Milling Operations	MCHN 2341 Advanced Machining I
MCHN 2344 Computer Num Control Programming	MCHN 2345 Advanced Machining Oper II
MCHN 2331 Operation of CNC Turning Centers	<b><sup>C</sup>DRAM 1310 Introduction to Theatre</b>
<b><sup>C</sup>HIST 1301 United States History I</b>	MCHN 2334 Operation of CNC Machining Centers

Total Semester Hours: 15

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### AAS: Industrial Machining Applied Technology

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	
<b><sup>C</sup> *Life and Physical Science Core Elective (4 credits)</b>	<b><sup>C</sup> *Life and Physical Science Core Elective (4 credits)</b>
<b><sup>C</sup> *Math Core Elective</b>	<b><sup>C</sup> *Language, Philosophy &amp; Culture Core Elective</b>
<b><sup>C</sup>ENGL 1302 Composition II</b>	<b><sup>C</sup> GOVT 2306 Texas Government</b>
<b><sup>C</sup>HIST 1302 United States History II</b>	MATH 1316 Plane Trigonometry or MATH 1342 Elementary Statistics
<b><sup>C</sup> *Social &amp; Behavioral Science Core Elective</b>	<b><sup>C</sup> GOVT 2305 Federal Government</b>

Total Semester Hours: 16

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### 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

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### 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: 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.