



**AAS in Machining Technology to
BAAS in Manufacturing and Industrial Management
General Concentration †
Guided Pathway
2019-2020 Catalog**



First Year – NCTC

FIRST SEMESTER	SECOND SEMESTER
MCHN 1438 – Basic Machine Shop I	DFTG 1309 – Basic Computer-Aided Drafting
MCHN 2303 – Fund. of CNC Machine Controls	MCHN 2431 – Operation of CNC Turning Centers
MCHN 1343 – Machine Shop Mathematics	MCHN 2434 – Operation of CNC Machining Centers
MCHN 1302 - Print Reading Machining Trades	METL 1301 – Introduction to Metallurgy
MCHN 1342 – Basic Machine Shop II	MCHN 2435 – Advanced CNC Machining ¹
	MCHN 1326 – Introduction to Computer-Aided Mfg ¹

Total Semester Hours: 16

Total Semester Hours: 21

Second Year – NCTC

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

FIRST SEMESTER	SECOND SEMESTER
OSHT 1320 – Energy Industrial Safety	^c SPCH 1311 – Introduction to Speech Communication
^c ENGL 1301 – Composition I	BMGT 1327 – Principles of Management
^c GOVT 2306 – Texas Government	^c ARTS 1301 – Art Appreciation
^c MATH 1332 – Contemporary Mathematics	MCHN 2380 – Co. Ed.-Machine Tool Technology

Total Semester Hours: 12

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AAS: Machining 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 NCTC (if offered) or TSU-Stephenville Campus

MATH 1316 Plane Trigonometry OR MATH 1342 Statistics	^c Life & Physical Science Core Elective (4 credits)
^c ENGL 1302 Composition II	^c Social and Behavioral Science Core Elective
^c Life & Physical Science Core Elective (4 credits)	^c Language, Philosophy and Culture Core Elective
^c Any Core Course (minimum 1 credit)	^c GOVT 2305 Federal Government
^c HIST1301 United States History I	^c HIST 1302 United States History II

Total Semester Hours: 14

Total Semester Hours: 16

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research and Reporting for Technologists	Advanced ENGT Course
Advanced ENGT Course	ENGT 3395 Project Management
Advanced ENGT Course	Advanced ENGT Course
Advanced ENGT Course	Advanced Elective 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: 130

This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.

* 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. Sometimes, taking a specific course to meet a Core requirement will also fulfill other requirement for your degree. If this course meets more than one requirement it is listed as the correct option (with no asterisk).

[†] Degree availability varies by campus; consult www.tarleton.edu for more information.