



**AAS in Machining Technology to
BAAS in Manufacturing and Industrial Management
General Concentration †
Guided Pathway
2020-2021 Catalog**



First Year – NCTC

FIRST SEMESTER		SECOND SEMESTER	
MCHN 1338 – 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 1341 – Basic Machine Shop II			
THIRD SEMESTER			
MCHN 2435 – Advanced CNC Machining ¹			
MCHN 1326 – Introduction to Computer-Aided Mftg ¹			
Total Semester Hours: 22		Total Semester Hours: 14	

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 1313 – Energy Industrial Safety		SPCH 1311 – Introduction to Speech Communication	
ENGL 1301 – Composition I		BMGT 1327 – Principles of Management	
GOVT 2306 – Texas Government		ARTS 1301 – Art Appreciation	
MATH 1332 – Contemporary Mathematics		MCHN 2380 – Co. Ed.-Machine Tool Technology	
Total Semester Hours: 12		Total Semester Hours: 12	

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

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

† 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.

For questions about the University portion of this guided pathway,
Contact the Engineering Technology Department at (254)968-9010 or Engineering.Technology@tarleton.edu.