



Manufacturing Technology to  
BAAS-Manufacturing and Industrial Management  
Safety Management Concentration  
**Guided Pathway**  
2018-2019



**First Year - Grayson College**

FIRST SEMESTER	SECOND SEMESTER
TECM 1303 Technical Calculations	MCHN 1320 Prec Tools & Measurement
EDUC/PSYC 1300 Learning Frameworks	ELPT 1311 Basic Electrical Theory
<sup>c</sup> PSYC 2301 General Psychology (080)*	MCHN 1302 Print Reading for Machining Trades
<sup>c</sup> MATH 1332 Contemporary Math (020)	<sup>c</sup> ENGL 2311 Technical Writing (090)
<sup>c</sup> ENGL 1301 Composition I	<sup>c</sup> HUMA 1301 Introduction to the Humanities (040)*

**Second Year – Grayson College**

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

FIRST SEMESTER	SECOND SEMESTER
MCHN 1371 MSSC Certification	ELPT 2319 Programmable Logic Controllers
QCTC 1343 Quality Assurance	MCHN 1326 Intro. to Computer Aided Manu.
MCHN 1438 Basic Machine Shop I	INMT 1391 Special Topics
<sup>c</sup> BIOL 1306 General Biology*	ELPT 1441 Motor Controls (Spring Mini)
<sup>c</sup> BIOL 1106 General Biology Lab*	INMT 2688 Internship (Summer)

**AAS: Collision Repair Technology**

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

**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 3326 Ergonomics and Work Methods (Spring Only)	MATH 1316 Plane Trig or MATH 1342 Elem Stats
<sup>c</sup> Communication (010)	ENGT 3360 Safety Management
<sup>c</sup> Life & Physical Science Elective Course (030)	<sup>c</sup> Creative Arts Elective Course (050)
SUMMER	
<sup>c</sup> GOVT 2306 Texas Government	

**Fourth Year - Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 3375 Continuous Improvement	Advanced Elective Course
Advanced ENGT Course	Advanced Elective Course
Advanced Elective Course	<sup>c</sup> HIST 1302 United States History II
Advanced Elective Course	Advanced ENGT Course
<sup>c</sup> HIST1301 United States History I	
SUMMER	
<sup>c</sup> GOVT 2305 Federal Government	

**IMPORTANT NOTES: Check with an advisor if you have any questions. It can save you both time and money.**

<sup>1</sup> Degree plans may change in later catalogs. You may use this pathway if you entered Grayson College on or before this date.

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

Additional coursework may be required if 36 credits are not awarded for the Occupational Specialization block.

*For questions about the University portion of this degree plan,  
Contact the Department of Engineering Technology at (254) 968-9014 or [engineering.technology@tarleton.edu](mailto:engineering.technology@tarleton.edu).*