



AAS – Advanced Manufacturing to  
BAAS-Manufacturing and Industrial Management  
Safety Management Concentration<sup>T</sup>

**Guided Pathway**  
2019-2020



### First Year - Grayson College

FIRST SEMESTER	SECOND SEMESTER
TECM 1303 Technical Calculations	MCHN 1320 Prec Tools & Measurement
<sup>C</sup> EDUC/PSYC 1300 Learning Frameworks <sup>090</sup>	ELPT 1311 Basic Electrical Theory
<sup>C</sup> HIST 1301 U.S History*	MCHN 1302 Print Reading for Machining Trades
<sup>C</sup> MATH 1332 Contemporary Math <sup>020</sup>	<sup>C</sup> ENGL 1301 Comp 1 <sup>010</sup>
	<sup>C</sup> PHIL 1301 Intro to Philosophy <sup>040</sup>

Total Semester Hours: 12

Total Semester Hours: 15

### 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 Manufacturing Skills Standards	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
MCHN 1454	ELPT 1441 Motor Controls (May Mini)
	INMT 2688 Internship (Summer)

Total Semester Hours: 14

Total Semester Hours: 19

### AAS: Advanced Manufacturing

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 completed at Grayson College or TSU-Stephenville Campus

<sup>C</sup> HIST1302 United States History II	<sup>C*</sup> Creative Arts (050)
<sup>C*</sup> Life and Physical Science Elective Course (4 credits)	<sup>C</sup> GOVT 2305 Federal Government
<sup>C*</sup> Life and Physical Science Elective Course (4 credits)	<sup>C</sup> ENGL 1302 Composition II
<sup>C</sup> Communication Core Elective (010)	<sup>C</sup> GOVT 2306 Texas Government
MATH 1316 Plane Trigonometry or MATH 1342 Elementary Statistics	<sup>C*</sup> Social and Behavioral Science Core Elective (080)

Total Hours: 32

### Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
Advanced ENGT Elective	ENGT 4320 Occupational Safety and Health
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
ENGT 3326 Ergonomics and Work Methods (Spring Only)	ENGT 3360 Safety Management
ENGT 3320 Industrial Safety	Advanced ENGT Elective

Total Semester Hours: 12

Total Semester Hours: 12

### Fourth Year - Tarleton State University

FIRST SEMESTER
ENGT 3375 Continuous Improvement
Advanced Elective
Advanced Elective
Advanced Elective
Advanced Elective

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.

<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 degree plan,  
Contact the Department of Engineering Technology at (254) 968-9014 or [engineering.technology@tarleton.edu](mailto:engineering.technology@tarleton.edu).