



AAS – Aviation Maintenance – Airframe Applied Technology to  
**Bachelor of Applied Arts and Sciences**  
**Manufacturing and Industrial Management**  
**Industrial Management Concentration<sup>T</sup>**  
**Guided Pathway**  
 Effective for the 2019-2020 Catalog



**First Year – Del Mar College**

FIRST SEMESTER	SECOND SEMESTER
AERM 1208 Federal Aviation Regulations	AERM 1205 Weight and Balance
AERM 1203 Shop Practices	AERM 1210 Ground Operations
AERM 1315 Aviation Sciences	AERM 1241 Wood, Fabric, and Finishes
AERM 1414 Basic Electricity	AERM 1345 Airframe Electrical Systems
<sup>C</sup> ENGL 1301 Composition I	

Total Semester Hours: 14

Total Semester Hours: 9

**Second Year – Del Mar College**

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

FIRST SEMESTER	SECOND SEMESTER
AERM 1343 Instruments & Navigation / Communication	AERM 1350 Landing Gear Systems
AERM 2233 Assembly and Rigging	AERM 1254 Aircraft Composites
AERM 1253 Aircraft Welding	AERM 1349 Hydraulic , Pneumatic & Fuel Systems
<sup>C</sup> PHYS 1305 Introductory to Physics I*	AERM 1352 Aircraft Sheet Metal
	<sup>C</sup> HIST 1301 United States History I*

Total Semester Hours: 10

Total Semester Hours: 14

THIRD SEMESTER	
AERM 1247 Airframe Auxiliary Systems	<sup>C</sup> SPCH 1311 Introduction to Speech Communications*
AERM 2231 Airframe Inspection	<sup>C</sup> SOCI 1301 Introduction to Sociology*
AERM 2359 Advanced Composite Repair	

Total Semester Hours: 13

**AAS: Aviation Maintenance –Airframe 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**

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

Total Semester Hours: 16

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**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research & Reporting for Technologists	ENGT 4336 Production Planning
ENGT 3375 Continuous Improvement	ENGT 3395 Project Management
ENGT 3386 Quality Management	ENGT 4346 Manufacturing Management
Advanced Elective Course	Advanced ENGT Course

Total Semester Hours: 12

Total Semester Hours: 12

**Fourth Year - Tarleton State University**

FIRST SEMESTER
ENGT 4347 Metrics and Measurement (Fall Only)
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.

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