



AAS. Aviation Maintenance Technology-Airframe to  
Bachelor of Applied Arts and Sciences in Manufacturing and Industrial Management<sup>T</sup>  
**Guided Pathway**  
2021-2022 Catalog

**First Year - Tarrant County College District**

FIRST SEMESTER	SECOND SEMESTER
AERM 1101 - Introduction to Aviation	AERM 1243 - Instruments & Navigation/Communication
AERM 1205 - Weight and Balance	AERM 1254- Aircraft Composites
AERM 1208 - Federal Aviation Regulations	AERM 1345 - Airframe Electrical Systems
AERM 1303 - Shop Practices	AERM 1347 - Airframe Auxiliary
AERM 1310 - Ground Operations	AERM 1349 - Hydraulic, Pneumatic, and Fuel Systems
AERM 1314 - Basic Electricity	AERM 1350 - Landing Gear Systems
AERM 1315 - Aviation Science	
Total Semester Hours: 17	Total Semester Hours: 16

**Second Year - Tarrant County College District**

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

FIRST SEMESTER	SECOND SEMESTER
AERM 1141 - Wood, Fabric and Finishes	ENGL 1301 (010) - Composition I <sup>C</sup>
AERM 1153 - Aircraft Welding	MATH 1314 (020) - College Algebra <sup>C*</sup>
AERM 1452 - Aircraft Sheet Metal	GOVT 2305 (070) - Federal Government (Federal Constitution & Topics) <sup>C*</sup>
AERM 2231 - Airframe Inspection (Capstone)	ARTS 1301 (050) - Art Appreciation <sup>C*</sup>
AERM 2233 - Assembly and Rigging	SPCH 1321 (010) - Business and Professional Communication <sup>C*</sup>
AERM 2171 - Oral & Practical Exams, General	
AERM 2172 - Oral & Practical Exams, Airframe	
Total Semester Hours: 12	Total Semester Hours: 15

**AAS: Aviation Maintenance Technology-Airframe**

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 TCC (if offered) or TSU	
<sup>*C</sup> Life and Physical Science Core Elective (4 credits)	<sup>*C</sup> Life and Physical Science Core Elective (4 credits)
<sup>C</sup> HIST 1301 United States History I	<sup>C</sup> HIST 1302 United States History II
<sup>*C</sup> Social and Behavioral Science Core Elective	<sup>C</sup> GOVT 2306 Texas Government
<sup>*C</sup> Language, Philosophy and Culture Core Elective	<sup>*C</sup> Any 1 Credit Core Elective Course
<sup>C</sup> ENGL 1302 Composition II	MATH 1316 Plane Trigonometry OR MATH 1342 Elementary Statistical Methods
Total Semester Hours: 16	Total Semester Hours: 14

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Total Semester Hours: 12	Total Semester Hours: 12

**Fourth Year – Tarleton State University**

FIRST SEMESTER
Tarleton Course
Tarleton Course
Tarleton Course
Tarleton Course
Tarleton Course
Total Semester Hours: 15

Total Degree Hours: 129

**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.

<sup>\*</sup> 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>()</sup> 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.