



AAS in Aviation Maintenance Technology-Airframe to
 Bachelor of Applied Arts and Sciences in
 Manufacturing and Industrial Management
 Industrial Management Concentration^T
Guided Pathway
 2019-2020 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 ^C
AERM 1153 - Aircraft Welding	MATH 1314 (020) - College Algebra ^{C*}
AERM 1452 - Aircraft Sheet Metal	GOVT 2305 (070) - Federal Government (Federal Constitution & Topics) ^{C*}
AERM 2231 - Airframe Inspection (Capstone)	ARTS 1301 (050) - Art Appreciation ^{C*}
AERM 2233 - Assembly and Rigging	SPCH 1321 (010) - Business and Professional Communication ^{C*}
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-Stephenville Campus

^{C*} Life and Physical Science Core Elective (4 credits) (030)	^{C*} Life and Physical Science Core Elective (4 credits) (030)
^C HIST 1301 – United States History I	^C HIST1302 – United States History II
^C GOVT 2306 – Texas Government	^{C*} Language, Philosophy and Culture Core Elective (040)
MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods	^{C*} Any Core Applicable Course (090) (1 credit minimum)
^C ENGL 1302 – Composition II	^{C*} Social and Behavioral Science Core Elective (080)

Total Semester Hours: 16

Total Semester Hours: 14

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
Advanced ENGT Elective	Advanced ENGT Elective
Advanced ENGT Elective	Advanced ENGT Elective
Advanced ENGT Elective	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: 128

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.

^C 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.

^T Degree availability varies by campus; consult www.tarleton.edu for more information.