



AAS. Aviation Maintenance Technology-Powerplant 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 1340 - Aircraft Propellers
AERM 1205 - Weight and Balance	AERM 1344 - Aircraft Reciprocating Engines
AERM 1208 - Federal Aviation Regulations	AERM 1351 - Aircraft Turbine
AERM 1303 - Shop Practices	AERM 1456 - Aircraft Powerplant Electrical
AERM 1310 - Ground Operations	SPCH 1321 (010) - Business and Professional Communication <sup>C*</sup>
AERM 1314 - Basic Electricity	ENGL 1301 (010) - Composition I <sup>C</sup>
AERM 1315 - Aviation Science	MATH 1314 (020) - College Algebra <sup>C*</sup>
Total Semester Hours: 17	Total Semester Hours: 22

**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
GOVT 2305 (070) - Federal Government (Federal Constitution & Topics) <sup>C*</sup>	AERM 2171 - Oral & Practical Exam, General
AERM 2351 - Aircraft Turbine Engine Overhaul	AERM 2173 - Oral & Practical Exam, Powerplant
ARTS 1301 (050) - Art Appreciation <sup>C*</sup>	
AERM 2547 - Aircraft Reciprocating Engine Overhaul	
AERM 2252 - Aircraft Powerplant Inspection (Capstone)	
AERM 1357- Fuel Metering and Induction systems	
Total Semester Hours: 19	Total Semester Hours: 2

**AAS: Aviation Maintenance Technology-Powerplant**

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.