



AAS in Aviation Maintenance Technology-Powerplant to
 Bachelor of Applied Arts and Sciences in
 Manufacturing and Industrial Management
 General without Certification Concentration^T



Guided Pathway
 2019-2020 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 ^{C*}
AERM 1314 - Basic Electricity	
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
GOVT 2305 (070) - Federal Government (Federal Constitution & Topics) ^{C*}	AERM 2351 - Aircraft Turbine Engine Overhaul
MATH 1314 (020) - College Algebra ^{C*}	AERM 2547 - Aircraft Reciprocating Engine Overhaul
ARTS 1301 (050) - Art Appreciation ^{C*}	AERM 2252 - Aircraft Powerplant Inspection (Capstone)
ENGL 1301 (010) - Composition I ^C	AERM 2171 - Oral & Practical Exam, General
AERM 1357 - Fuel Metering & Induction Systems	AERM 2173 - Oral & Practical Exam, Powerplant

Total Semester Hours: 15

Total Semester Hours: 12

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-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*} Any Core Applicable Course (090) (1 credit minimum)	^{C*} Language, Philosophy and Culture Core Elective (040)
MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods	^C ENGL 1302 – Composition II
^C GOVT 2306 – Texas Government	^{C*} Social and Behavioral Science Core Elective (080)

Total Semester Hours: 14

Total Semester Hours: 16

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: 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.

* 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.

For questions about the University portion of this guided pathway, contact Engineering Technology Department at (254)968-9010 or Engineering.Technology@tarleton.edu.