



AAS – Aviation Maintenance – Power Plant Applied Technology to  
**Bachelor in 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 1344 Aircraft Reciprocating Eng.
AERM 1414 Basic Electricity	AERM 1357 Fuel Metering and Introduction Systems
<sup>C</sup> ENGL 1301 Composition I	<sup>C</sup> SPCH 1311 Introduction to Speech Communications

Total Semester Hours: 14

Total Semester Hours: 13

**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
<sup>C</sup> PHYS 1305 Introductory Physics*	AERM 2447 Aircraft Reciprocating Eng. Overhaul
<sup>C</sup> PHIL 1301 Introductory Philosophy*	AERM 1340 Aircraft Propellers
<sup>C</sup> HIST 1301 United States History I*	AERM 1351 Aircraft Turbine Eng. Theory
	AERM 1456 Aircraft Power Plant Electric

Total Semester Hours: 9

Total Semester Hours: 14

**THIRD SEMESTER**

AERM 2352 Aircraft Power Plant Inspect	AERM 2264 Practicum (or Field Exp.) – Airframe Mech. And Aircraft Maintenance Technology / Tech.
AERM 2351 Aircraft Turbine Engineering & Overhaul	
AERM 2234 FAA Review – Power Plant	

Total Semester Hours: 10

**AAS: Aviation Maintenance – Power Plant 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)	<sup>C</sup> *Life and Physical Science Core Elective (4 credits)
<sup>C</sup> *Math Core Elective	MATH 1316 Plane Trigonometry <b>OR</b> MATH 1342 Elementary Statistics
<sup>C</sup> ENGL 1302 Composition II	<sup>C</sup> GOVT 2306 Texas Government
<sup>C</sup> *Social & Behavioral Science Core Elective	<sup>C</sup> HIST 1302 United States History II
<sup>C</sup> *Creative Arts Core Elective	<sup>C</sup> GOVT 2305 Federal Government

Total Semester Hours: 16

Total Semester Hours: 16

**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).