



AAS in Aviation Maintenance Technology-Powerplant 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 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 |
|--|------------------------------------|
| Advanced ENGT Elective | ENGT 4336 Production Planning |
| ENGT 3318 Research & Reporting for Technologists | ENGT 3395 Project Management |
| ENGT 3375 Continuous Improvement | ENGT 4346 Manufacturing Management |
| ENGT 3386 Quality Management | Advanced ENGT Elective |

Total Semester Hours: 12

Total Semester Hours: 12

Fourth Year – Tarleton State University

| FIRST SEMESTER |
|---|
| ENGT 4347 Metrics and Measurement (Fall Only) |
| 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.*