



**AAS - Diesel System Applied Technology to  
Bachelor of 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
DEMR 1301 Shop Safety and Procedures	DEMR 1327 Tractor Trailer Service and Repair
DEMR 1405 Basic Electrical Systems	DEMR 1349 Diesel Engine II
DEMR 1306 Diesel Engine I	DEMR 1416 Basic Hydraulics
<sup>C</sup> ENGL 1301 Composition I	<sup>C</sup> GEOL 1301 Earth Science*
Total Semester Hours: 13	Total Semester Hours: 13

**Second Year – Del Mar College**

FIRST SEMESTER	SECOND SEMESTER
DEMR 1229 Preventative Maintenance	HEMR 1304 Natural Gas Compression
DEMR 1313 Fuel Systems	<sup>C</sup> SPCH 1311 Introduction to Speech Communications*
DEMR 1321 Power Train I	DEMR 2334 Adv. Diesel Tune – Up and Troubleshooting
<sup>C</sup> DRAM 2366 Introduction to Cinema*	DEMR 2332 Electronics Controls
Total Semester Hours: 11	Total Semester Hours: 12

It's best to apply to Tarleton State University a full semester before you plan to transfer.

THIRD SEMESTER	
DEMR 1230 Steering and Suspension I	DEMR 1323 Htng / Vent / Air Con (HVAC) Trouble Shooting & Repair
DEMR 1317 Basic Brake Systems	<sup>C</sup> HIST 1301 United States History I*
Total Semester Hours: 11	

**AAS: - Diesel System 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> *Language, Philosophy and Culture 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.