



**AAS - Diesel System Applied Technology to  
Bachelor of Applied Arts and Sciences  
Manufacturing and Industrial Management  
Industrial Management Concentration  
Guided Pathway**  
Effective for the 2018-2019 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
<b>C ENGL 1301 Composition I</b>	<b>C GEOL 1301 Earth Science*</b>

Total Semester Hours: 13

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**Second Year – Del Mar College**

FIRST SEMESTER	SECOND SEMESTER
DEMR 1229 Preventative Maintenance	HEMR 1304 Natural Gas Compression
DEMR 1313 Fuel Systems	<b>C SPCH 1311 Introduction to Speech Communications*</b>
DEMR 1321 Power Train I	DEMR 2334 Adv. Diesel Tune – Up and Troubleshooting
<b>C DRAM 2366 Introduction to Cinema*</b>	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	<b>C HIST 1301 United States History I*</b>

Total Semester Hours: 11

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You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

**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	MATH 1316 Plane Trigonometry <b>OR</b> MATH 1342 Elementary Statistics
<b>C *Life and Physical Science Core Elective</b>	ENGT 4346 Manufacturing Management
<b>C *Mathematics Core Elective</b>	<b>C *Life and Physical Science Core Elective</b>

Total Semester Hours: 16

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SUMMER	
<b>C ENGL 1302 Composition II</b>	<b>C *Language, Philosophy &amp; Culture Core Elective</b>
<b>C *GOVT 2306 Texas Government</b>	

Total Semester Hours: 9

**Fourth Year - Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
ENGT 4347 Metrics and Measurement (Fall Only)	Advanced Elective Course
Advanced ENGT Course	Advanced Elective Course
Advanced Elective Course	<b>C HIST 1302 United States History II</b>
Advanced Elective Course	Advanced ENGT Course
<b>C *Social and Behavioral Sciences Core Elective</b>	<b>C GOVT 2305 Federal Government</b>

Total Semester Hours: 15

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**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.