



AAS Diesel Engine Technician & Maintainer to
Bachelor of Applied Arts and Sciences in
Manufacturing and Industrial Management
Industrial Management Concentration^T
Guided Pathway
Effective for the 2019-2020 Catalog



First Year – Central Texas College

FIRST SEMESTER	SECOND SEMESTER
DEMR 1301 Shop Safety & Procedures	DEMR 1447 Power Train II
DEMR 1306 Diesel Engine I	DEMR 1405 Basic Electrical Systems
DEMR 1423 Heating, Ventilation, and Air Conditioning, Troubleshooting & Repair	DEMR 1417 Basic Brake Systems
^C ENGL 1301 Composition I	^C MATH 1332 Contemporary Mathematics
	^C SPCH 1315 or 1321

Total Semester Hours: 13

Total Semester Hours: 16

Second Year – Central Texas College

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

FIRST SEMESTER	SECOND SEMESTER
DEMR 1416 Basic Hydraulics	^C GOVT 2305 Federal Government
DEMR 1410 Diesel Engine Testing & Repair I	DEMR 1330 Steering & Suspension I
^C Humanities/Fine Arts Selection*	DEMR 2434 Advanced Diesel Tune-Up & Troubleshooting
	DEMR 1449 Diesel Engine II
	DEMR 2488 Internship

Total Semester Hours: 11

Total Semester Hours: 18

AAS: Diesel Engine Technician & Maintainer

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 CTC (if offered) or TSU – Stephenville Campus

^C Humanities/Fine Arts Selection*	^C ENGL 1302 – Composition II
^{C*} Life and Physical Science Core Elective (4 credits)	^{C*} Life and Physical Science Core Elective (4 credits)
^C HIST 1301 – United States History I	^C HIST1302 – United States History II
^{C*} Any Core Course (minimum 1 credit)	^{C*} Social and Behavioral Science Core Elective
^C GOVT 2306 – Texas Government	MATH 1316 – Plane Trigonometry or MATH 1342 – Elementary Statistical Methods

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.