



AAS Diesel Engine Technician & Maintainer to
Bachelor of Applied Arts and Sciences in
Manufacturing and Industrial Management
Safety 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.

Total Semester Hours: 14

Total Semester Hours: 16

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

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
Advanced ENGT Elective	ENGT 4320 Occupational Safety and Health
ENGT 3318 Research & Reporting for Technologists	ENGT 3395 Project Management
ENGT 3326 Ergonomics and Work Methods (Spring Only)	ENGT 3360 Safety Management
ENGT 3320 Industrial Safety	Advanced ENGT Elective

Total Semester Hours: 12

Total Semester Hours: 12

Fourth Year – Tarleton State University

FIRST SEMESTER
ENGT 3375 Continuous Improvement
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 pathway, contact the Engineering Technology Department at (254)968-9010 or Engineering.Technology@tarleton.edu.