



AAS Diesel Engine Technician & Maintainer to
Bachelor of Applied Arts and Sciences (BAAS)
Technology Concentration
Guided Pathway
Effective for the 2020-2021 Catalog



First Year – Central Texas College

FIRST SEMESTER	SECOND SEMESTER
DEMR 1401 Shop Safety & Procedures	DEMR 1321 Power Train I
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: 14

Total Semester Hours: 17

Second Year – Central Texas College

It's best to apply to Midwestern State University a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

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
DEMR 2412 Diesel Engine Testing & Repair II	DEMR 2434 Advanced Diesel Tune-Up & Troubleshooting
^c Humanities/Fine Arts Selection*	DEMR 1449 Diesel Engine II
	OR
	DEMR 2488 Internship

Total Semester Hours: 15

Total Semester Hours: 14

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.

**Third Year – Midwestern State University Bachelor of Applied Arts and Sciences (BAAS)
Technology Concentration**

FIRST SEMESTER	SECOND SEMESTER
Computer Science	^c Life & Physical Science
^c Life & Physical Science	^c HIST 1233 (1302) U.S. History since 1865
^c Creative Arts	^c Social & Behavioral Science
^c HIST 1133 (1301) U.S. History from 1865	^c Cultural & Global Understanding
^c POLS 1333 (GOVT 2301)*	^c Undergraduate Inquiry

Total Semester Hours: 15

Total Semester Hours: 15

**Fourth Year – Midwestern State University Bachelor of Applied Arts and Sciences (BAAS)
Technology Concentration**

FIRST SEMESTER	SECOND SEMESTER
TECH 3103 – Safety Technology	TECH 4103 - Innovation
TECH 3113 – Quality Technology	TECH 4113 – Facilities Design
TECH 3133 – Manufacturing Technology	TECH 4123 – Energy Technology
TECH 3143 – Production Planning	TECH 4133 – Construction Technology
TECH 3153 – Project Planning	BAAS 3113, Internship or Elective Course
TECH 3163 – Supply Technology	BAAS 4113 - Capstone

Total Semester Hours: 18

Total Semester Hours: 18

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 Midwestern State University.

*For questions about the University portion of this pathway,
Contact the BAAS Office at (940) 397-4400 or email: baas@msutexas.edu.*