



AAS Diesel Engine Technician & Maintainer to  
Bachelor of Applied Arts and Sciences (BAAS)  
Technology Concentration  
**Guided Pathway**  
Effective for the 2019-2020 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
<sup>c</sup> ENGL 1301 Composition I	<sup>c</sup> MATH 1332 Contemporary Mathematics
	<sup>c</sup> SPCH 1315 or 1321

**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	<sup>c</sup> 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
<sup>c</sup> Humanities/Fine Arts Selection*	DEMR 1449 Diesel Engine II OR DEMR 2488 Internship

**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
<sup>c</sup> ENGL 1153 (1302) Academic Writing & Lit	<sup>c</sup> Life & Physical Science
<sup>c</sup> Life & Physical Science	<sup>c</sup> HIST 1233 (1302) U.S. History since 1865
<sup>c</sup> Creative Arts	<sup>c</sup> Social & Behavioral Science
<sup>c</sup> HIST 1133 (1301) U.S. History from 1865	<sup>c</sup> Cultural & Global Understanding
<sup>c</sup> POLS 1333 (GOVT 2301)*	<sup>c</sup> Undergraduate Inquiry
Computer Science	

**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

**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 [University].

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