

**Central Texas College District**  
**Associate of Applied Science in Diesel Engine Mechanic and Repairer (AAS-DEM15) (AAS-DEMR)**  
Degree Map  
Fort Hood, TX

**Degree Objective-** Prepares graduates for a career in diesel occupations such as heavy duty truck technicians, technical diesel representatives; or parts or service managers. Degree plan comprises 60 semester credit hours of which 45 are in electronic and mechanical fuel injection, chassis maintenance, vehicle inspection, tune-up, engine overhaul, brake service, transmission repair, and related subjects. The degree may be appropriate for transfer into a technical-related, bachelor-level degree program.

**Academic Residency-** 15 semester hours

**POINT OF CONTACT**  
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DEGREE REQUIREMENTS		HOME COLLEGE	ARMY SCHOOL	ARMY MOS	TESTS	CERT/ LIC	DIST LRNG See Note 2
<b>General Education</b>		<b>15-16 SH</b>					
<b>English</b>		<b>3 SH</b>					
ENGL 1301	Composition I	3	X		X		X
<b>Speech</b>		<b>3 SH</b>					
SPCH 1315	Public Speaking	3	X		X		X
SPCH 1318	Interpersonal Communications	3	X				
SPCH 1321	Business and Professional Communications	3	X				X
<b>Humanities/Fine Arts</b>		<b>3-4 SH</b>					
ANTH 2351	Cultural Anthropology	3	X				X
ARTS 1303	Art History I	3	X				X
ARTS 1304	Art History II	3	X				X
DRAM 1310	Introduction to Theater	3	X				
DRAM 2361	History of Theatre I	3	X				
DRAM 2362	History of Theatre II	3	X				
DRAM 2366	Introduction to Cinema	3	X				
ENGL 2322	British Literature I	3	X		X		X
ENGL 2323	British Literature II	3	X		X		X
ENGL 2327	American Literature I	3	X		X		X
ENGL 2328	American Literature II	3	X		X		X
ENGL 2332	World Literature I	3	X				X
FREN 1411	Beginning French I	4	X	X	X		X
FREN 1412	Beginning French II	4	X	X	X		X
GERM 1411	Beginning German I	4	X	X	X		X
GERM 1412	Beginning German II	4	X	X	X		X
HUMA 1315	Fine Arts Appreciation	3	X		X		X
MUSI 1306	Music Appreciation	3	X				X
MUSI 1307	Music Literature	3	X				X
PHIL 1301	Introduction to Philosophy	3	X				X
PHIL 1304	Introduction to World Religions	3	X		X		X
PHIL 2306	Introduction to Ethics	3	X				X
PHIL 2307	Introduction to Social and Political Philosophy	3	X				X
PHIL 2321	Philosophy of Religion	3	X				
RUSS 1411	Beginning Russian I	4	X	X	X		X
RUSS 1412	Beginning Russian II	4	X	X	X		X
SPAN 1411	Beginning Spanish I	4	X	X	X		X
SPAN 1412	Beginning Spanish II	4	X	X	X		X
	Humanities/Fine Arts Elective				X		X
<b>Mathematics</b>		<b>3 SH</b>					
MATH 1332	Contemporary Mathematics (Quantitative Reasoning)	3	X		X		X
<b>Government/Political Science</b>		<b>3 SH</b>					
GOVT 2305	Federal Government	3	X		X		X
GOVT 2306	Texas Government	3	X				
<b>Major Requirements*</b>		<b>45 SH</b>					
DEMR 1306	Diesel Engine I	3	X	X		✗	
DEMR 1321	Power Train I	3	X	X		✗	
DEMR 1330	Steering and Suspension I	3	X			✗	
DEMR 1401	Shop Safety and Procedures	4	X	X	X		
DEMR 1405	Basic Electrical Systems	4	X	X		✗	
DEMR 1410	Diesel Engine Testing and Repair I	4	X	X		✗	
DEMR 1416	Basic Hydraulics	4	X			✗	
DEMR 1417	Basic Brake Systems	4	X	X		✗	
DEMR 1423	Heating, Ventilation, and Air Conditioning, Troubleshooting and Repair	4	X				
DEMR 2412	Diesel Engine Testing and Repair II	4	X			✗	
DEMR 2434	Advanced Diesel Tune-Up and Troubleshooting	4	X			✗	
DEMR 1449	Diesel Engine II	OR 4	X			✗	
DEMR 2488	Internship-Diesel Mechanics Technology/Technician	4	X	X			
<b>Total Credits</b>		<b>60 SH</b>					

- Notes:**
- 1) An "X" in a column indicates that the Institution guarantees to accept credit from the source shown for at least part of the requirement.
  - 2) This column indicates whether a school accepts transfer credit for courses taken through distance learning. It does not mean that the school offers the course through distance learning.
  - 3) A course may be used toward one requirement only.
  - 4) Only lower-level courses are accepted in transfer.
  - 5) The student is responsible for meeting course prerequisites. It is recommended that the student take placement tests prior to enrolling in mathematics, reading-intensive, and writing courses. Based on scores, the student may be required to take a series of developmental study courses.
    - a) Mathematics courses may include DSMA 0101 Basic Developmental Mathematics, DSMA 0120 Mathematics Lab, DSMA 0300 Developmental Mathematics I, DSMA 0301 Developmental Mathematics II, DSMA 0303 Developmental Mathematics IV, DSMA 0304 Fundamentals of Mathematics II, DSMA 0305 Pre-Algebra, DSMA 0306 Introductory Algebra, DSMA 0307 Intermediate Algebra, DSMA 0309 Fundamentals of Algebra, and/or DSMA 0310 Intermediate Algebra.
    - b) Reading courses may include DSRE 0101 Developmental Reading, DSRE 0300 Developmental Reading I, DSRE 0301 Developmental Reading II, DSRE 0302 Fundamentals of Reading I, DSRE 0303 Fundamentals of Reading II, and/or DSRE 0311 Developmental Reading II.
    - c) Writing courses may include DSWR 0301 Developmental Writing I, DSWR 0302 Developmental Writing II, DSWR 0303 Fundamentals of Writing I, DSWR 0304 Fundamentals of Writing II, and/or DSWR 0311 Developmental Writing II.
  - 6) The non-native English speaking student may be required to take English-as-a-Second Language courses in reading, speaking, and writing.
    - a) Reading courses may include DSLA 0310 Reading and Vocabulary I, DSLA 0320 Reading and Vocabulary II, and/or DSLA 0330 Reading and Vocabulary III.
    - b) Speaking courses may include DSLA 0323 Academic Listening and Speaking I, DSLA 0322 Academic Listening and Speaking II, DSLA 0332 Academic Listening and Speaking III, and/or DSLA 0340 Accent Reduction.
    - c) Writing courses may include DSLA 0314 Writing I, DSLA 0315 Grammar I, DSLA 0318 English for Foreign Students I, and/or DSLA 0321 Writing II.
- \*If the student takes more than 18 SH in general education, the number of semester hours required in free electives is reduced accordingly to meet the minimum 72 semester hours required for the degree. For example, if the student takes 19 SH in general education, the student takes 2 SH free electives. The student may also use credit awarded for MOS or military service school. Soldiers that exceed the 72 hours required will need to request an ESO override for additional credits.

<b>Date Effective:</b>	1-Jan-19
<b>Term Effective:</b>	T730