Diesel Technology

Angelina College offers a comprehensive Diesel Technology program designed to equip students with the skills needed for a successful career in diesel mechanics. The curriculum covers engine repair, diagnostics, maintenance, and troubleshooting of diesel engines and related systems. Students gain hands-on experience with modern equipment and technologies, preparing them for roles in various industries, including transportation, construction, and agriculture. The program emphasizes safety, teamwork, and problem-solving skills, ensuring graduates are well-prepared for the workforce.

Program Learning Outcomes (PLO)

PLO 1: Demonstrate their ability to adjust engine valve clearance.

PLO 2: Demonstrate their ability to correctly identify diesel fuel system components.

PLO 3: Demonstrate their ability to correctly identify diesel engine components.

PLO 4: Demonstrate their shop safety skills.

PLO 5: Demonstrate their ability to utilize a digital multimeter.

Courses Measuring the Achievement of Program Learning Outcomes

Course	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
DEMR 1406	X		X		
DEMR 1413		X			
DEMR 1301				X	
DEMR 1405					X

DIESEL TECHNOLOGY RECOMMENDED ACADEMIC PLAN

1ST YEAR, 1ST SEMESTER			Credit Hours	✓
DEMR	1301	Shop Safety and Procedures	3	☐
DEMR	1405	Basic Electrical Systems	4	☐
DEMR	1406	Diesel Engine I	4	☐
DEMR	1413	Fuel Systems	4	☐
STSU	0300	Student Success	0	☐
☀ *Earned:*			**15**	☐

1ST YEAR, 2ND SEMESTER				✓
DEMR	1410	Diesel Engine Testing and Repair I	4	☐
DEMR	1442	Power Train Applications I	4	☐
DEMR	1449	Diesel Engine II	4	☐
DEMR	2432	Electronic Controls	4	☐
☀ *Earned:*	*[Credentials: Level 1 Certificate - Basic]*		**16**	☐

SUMMER SEMESTER				✓
DEMR	1416	Basic Hydraulics	4	☐
DEMR	2412	Diesel Engine Testing and Repair II **or**	4	☐
	DEMR	2480 Cooperative Education	4	☐
☀ *Earned:*	*[Credential: Level 1 Certificate]*		**8**	☐

2ND YEAR, 1ST SEMESTER				✓
POFI	1301	Computer Applications I	3	☐
HRPO	2301	Human Resources Management **or**	3	☐
	BUSG	2309 Small Business Management	3	☐
MATH	1332	Contemporary Mathematics **or**	3	☐
	MATH	1314 College Algebra or PHYS 1305 Elementary Physics	3	☐
☀ *Earned:*			**9**	☐

☞ *Apply for Graduation*

2ND YEAR, 2ND SEMESTER				✓
ENGL	1301	Composition I	3	☐
SOCI	1301	Introduction to Sociology	3	☐
SPCH	1318	Interpersonal Communication	3	☐
XXXX	113XX	Creative Arts Core	3	☐
	Choose	From ARTS 1301, DRAM 1310, MUSI 1306, **or** MUSI 1310	3	☐
☀ *Earned:*	*[Credential: Associate Degree]*	**Total Hours**	**60**	☐