

HEAVY DIESEL EQUIPMENT/ CRANE TECHNICIAN, ASSOCIATE OF APPLIED SCIENCE

Plan of Study

3DESL-HEQ

First Year

First Term		Credits
ELPT 1321	Introduction to Electrical Safety and Tools	3
CETT 1302	Electricity Principles	3
DEMR 1306	Diesel Engine I	3
ENGL 1301	Composition I	3
DEMR 1405	Basic Electrical Systems	4
Credits		16

Second Term

DEMR 1410	Diesel Engine Testing and Repair I	4
ELPT 1315	Electrical Calculations I	3
MATH 1332 or MATH 1314	Contemporary Mathematics (Quantitative Reasoning) or College Algebra	3
DEMR 1317	Basic Brake Systems	3
Credits		13

Second Year

First Term

DEMR 1316	Basic Hydraulics	3
DEMR 1413	Fuel Systems	4
ELPT 2319	Programmable Logic Controllers I	3
	Creative Arts (Fine Arts)	3
	Social and Behavioral Sciences	3
Credits		16

Second Term

DEMR 1423 or ELPT 2423	Heating, Ventilation, and Air Conditioning (HVAC) Troubleshooting and Repair or Transformers	4
DEMR 2432	Electronic Controls	4
DEMR 2435	Advanced Hydraulics	4
	Select one of the following:	3
SPCH 1311	Introduction to Speech Communication	
SPCH 1315	Public Speaking	
SPCH 1318	Interpersonal Communication	
SPCH 1321	Business and Professional Speech	
Credits		15
Total Credits		60

Capstone Experience: DEMR 2435 Advanced Hydraulics