

HEAVY DIESEL EQUIPMENT/ CRANE TECHNICIAN, LEVEL 2 CERTIFICATE



Plan of Study

5DESL-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
ELPT 1315	Electrical Calculations I	3
DEMR 1405	Basic Electrical Systems	4
Credits		16

Second Term

DEMR 1410	Diesel Engine Testing and Repair I	4
DEMR 1316	Basic Hydraulics	3
DEMR 1413	Fuel Systems	4
DEMR 1317	Basic Brake Systems	3
Credits		14

Second Year

First Term		Credits
ELPT 2319	Programmable Logic Controllers I	3
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
Credits		15
Total Credits		45

Capstone Experience: DEMR 2435 Advanced Hydraulics