

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