

**PROGRAM PLANNING GUIDE**

**DIESEL AND HEAVY EQUIPMENT TECHNOLOGY  
D60460**

Replaces Curriculum Schedule with Revision Date: FA2013

Date Revised: FA2014

**CURRICULUM BY SEMESTER**

|                 |              |                                      | Hours Per Week |     |         |
|-----------------|--------------|--------------------------------------|----------------|-----|---------|
| Course No.      | Course Title |                                      | Class          | Lab | Credits |
| Fall Semester 1 |              |                                      |                |     |         |
| TRN             | 170          | PC Skills for Transportation         | 1              | 2   | 2       |
| TRN             | 120          | Basic Transportation Electricity     | 4              | 3   | 5       |
| TRN             | 120A         | Basic Transportation Electricity Lab | 0              | 3   | 1       |
| TRN             | 140          | Transportation Climate Control       | 1              | 2   | 2       |
| TRN             | 110          | Introduction to Transport Technology | 1              | 2   | 2       |
| ENG             | 110          | Freshman Composition                 | 3              | 0   | 3       |

|                   |     |                  |   |   |   |
|-------------------|-----|------------------|---|---|---|
| Spring Semester 1 |     |                  |   |   |   |
| HET               | 110 | Diesel Engines   | 3 | 9 | 6 |
|                   |     | Major Elective 1 | - | - | 2 |

|                 |     |                                     |   |   |   |
|-----------------|-----|-------------------------------------|---|---|---|
| Fall Semester 2 |     |                                     |   |   |   |
| HET             | 114 | Power Trains                        | 3 | 6 | 5 |
| HYD             | 134 | Hydraulic/Hydrostatic Construction  | 2 | 4 | 4 |
| HET             | 231 | Medium/Heavy Duty Brake Systems     | 1 | 3 | 2 |
| HET             | 232 | Medium/Heavy Duty Brake Systems Lab | 0 | 3 | 1 |
| PSY             | 118 | Interpersonal Psychology            | 3 | 0 | 3 |

|                   |     |                           |   |   |   |
|-------------------|-----|---------------------------|---|---|---|
| Spring Semester 2 |     |                           |   |   |   |
| HET               | 134 | Mechanical Fuel Injection | 2 | 3 | 3 |
| HET               | 125 | Preventative Maintenance  | 1 | 3 | 2 |
|                   |     | Major Elective 2          | - | - | 4 |

**Graduation Requirement Credit Hours:** 47

Students entering curriculum other than in the First Semester or on a part-time basis will select course sequence with assistance from advisor.

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| <b>MAJOR ELECTIVES</b> |                     |                                  |                       |            |                |
|------------------------|---------------------|----------------------------------|-----------------------|------------|----------------|
|                        |                     |                                  | <b>Hours Per Week</b> |            |                |
| <b>Course No.</b>      | <b>Course Title</b> |                                  | <b>Class</b>          | <b>Lab</b> | <b>Credits</b> |
| Major Electives 1      |                     |                                  | Credit Hours Needed:  |            | 2              |
| HYD                    | 110                 | Hydraulics/Pneumatics I          | 2                     | 3          | 3              |
| HYD                    | 111                 | Mobile Hydraulic Systems         | 1                     | 4          | 3              |
| HYD                    | 112                 | Hydraulics-Medium and Heavy Duty | 1                     | 2          | 2              |
| Major Electives 2      |                     |                                  | Credit Hours Needed:  |            | 4              |
| ELN                    | 110                 | Survey of Electronics            | 2                     | 2          | 3              |
| ELN                    | 112                 | Diesel Electronics System        | 2                     | 6          | 4              |
| ELN                    | 113                 | Electronic Fuel Injection        | 1                     | 2          | 2              |
| HET                    | 115                 | Electronic Engines               | 2                     | 3          | 3              |
| HET                    | 128                 | Medium/Heavy Duty Tune Up        | 1                     | 2          | 2              |
| HET                    | 192                 | Selected Topics in HEATT         | -                     | -          | 2              |