**DISL - DIESEL MECHANICS TECHNOLOGY**

**Liaison:** Bobby Salvatierra (842-5498, bs33@hawaii.edu)

**Website:** www.honolulu.hawaii.edu/disl

**Address:** 445 Kokea St., Honolulu HI 96817

**Faculty:** Bobby Salvatierra

**Program Mission:** The Diesel Mechanics Technology program’s mission is to serve the community as a learning-centered, open door program that provides technical training to meet the demands of the diesel mechanics industry and the needs of the individual exploration.

**Program Description:** The program is designed to provide students with knowledge of heavy duty truck engines and chassis components and to develop student proficiency in the repair and maintenance of heavy duty truck equipment.

Admission is every other Fall semester.

**Program Student Learning Outcomes (SLO):** Upon successful completion of the DISL program, students will be able to:

- Function safely in a heavy equipment shop environment.
- Demonstrate ability to communicate effectively to gather and convey information.
- Apply theory and principles for proper diagnosis, repair, and maintenance in the heavy-duty truck equipment industry.
- Practice the minimum essential mental, physical, and behavioral skills necessary to maintain professional proficiency.
- Work collaboratively with others as well as independently.

**Program Requirements:**

<table>
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<tr>
<th>Program Prerequisites:</th>
<th>Certificate of Achievement Credits</th>
<th>Associate in Applied Science Degree Credits</th>
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<tbody>
<tr>
<td>Placement in ENG 100; MATH 50 OR Placement into MATH 150 or higher</td>
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**First Semester**

(The DISL Program will be accepting new students in the Fall of 2012.)

- DISL 20  Technical Practices  2  2
- DISL 24  Operator Orientation  2  2
- DISL 22  R&R Components  3  3
- DISL 27  Preventative Maintenance  5  5
- WELD 19  Welding for Trades and Industry  3  3
- MATH 150  Technical College Mathematics  3

**Second Semester**

- DISL 36  Suspension and Steering  5  5
- DISL 34  Brakes—Air and Hydraulic  5  5
- DISL 56  Hydraulics  2  2
- ENG 100  Expository Writing  3

**Third Semester**

- DISL 41  Diesel Engines  8
- DISL 31  Drive Train  4
- PHYS 100  Survey of Physics  4
  & 100L; or PHYS 104  Survey of Physics Lab  4
  or Physics for Transportation Technology  16
### Fourth Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>DISL 52</td>
<td>Electrical/Electronic Systems</td>
<td>8</td>
</tr>
<tr>
<td>DISL 61</td>
<td>Heating, Ventilation, and Air Conditioning</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>General Education Requirement *</td>
<td>3</td>
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<tr>
<td></td>
<td>General Education Requirement *</td>
<td>3</td>
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**Minimum Credits Required**: 18

*General Education Requirements for the AAS degree are listed under DEGREES AND CERTIFICATES.*

### Cost of Textbooks/Supplies

The cost for textbooks is approximately $360. Required hand tools cost approximately $2500.

### Advisory Committee

- John Herbias, Cummins West
- Mark Isono, Larry’s/Napa Auto Parts
- Todd Ladd, Pacific Detroit Power Products
- Gerald Ryusaki, Hawai‘i Truck Parts/Ryusaki repair
- Stanley Torricer, Oahu Transit Services (The Bus)
- Bobby Whitworth, Hawthorne Pacific Corporation