Diesel Mechanics Technology  
Honolulu Community College  
Fall 2009 Annual Assessment Report  
Covering the fall 2008-Spring 2009 Semesters

College Mission Statement  
Honolulu Community College’s mission is to:  
- Serve the community as an affordable, flexible, learning centered, open-door comprehensive Community College that meets the post-secondary educational needs of individuals, businesses, and the community.  
- Serve the Pacific Rim as the primary technical training center in areas such as transportation, information technology, education, communications, construction, and public and personal services.

Program Mission Statement  
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. An open-exit option allows the students to identify their career objectives and participate in program exploration.

Part I: Quantitative Indicators for Program Review

<table>
<thead>
<tr>
<th>Fall of Year</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
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</thead>
<tbody>
<tr>
<td>Annual New and Replacement Positions State</td>
<td>C/P 17</td>
<td>161</td>
<td>38</td>
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<tr>
<td>Annual New and Replacement Positions County</td>
<td>C/P -8</td>
<td>125</td>
<td>30</td>
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<tr>
<td>Number Majors</td>
<td>21</td>
<td>20</td>
<td>18</td>
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<tr>
<td>SSH for Program Majors all Program Classes</td>
<td>216</td>
<td>204</td>
<td>160</td>
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<tr>
<td>SSH for non program majors in all program classes</td>
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<td>0</td>
<td>0</td>
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<tr>
<td>SSH for all students in all program classes</td>
<td>240</td>
<td>204</td>
<td>160</td>
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<tr>
<td>FTE Program Enrollment</td>
<td>16.00</td>
<td>13.60</td>
<td>10.67</td>
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<tr>
<td>Number of Classes Taught</td>
<td>5</td>
<td>5</td>
<td>5</td>
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<tr>
<td>Average Class Size</td>
<td>20.00</td>
<td>17.00</td>
<td>13.40</td>
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<td>Class Fill Rate</td>
<td>100.00</td>
<td>85.00</td>
<td>44.67</td>
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<tr>
<td>FTE (headcount) of BOR Appointed Program Faculty</td>
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<td>1.0</td>
<td>1.0</td>
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<tr>
<td>Student/ Faculty Ratio (calculated field)</td>
<td>21.0</td>
<td>20.0</td>
<td>18.0</td>
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<tr>
<td>Number of Majors Per FTE (workload) Faculty</td>
<td>26.25</td>
<td>25.00</td>
<td>22.50</td>
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<td>Program Budget Allocation</td>
<td>$86,409</td>
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<td>Cost Per SSH (Calculated field)</td>
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<td>Number of classes that Enroll less than 10 students</td>
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<td>0</td>
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<td>Persistence Fall to Spring</td>
<td>76.19</td>
<td>95.00</td>
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<tr>
<td>Number of Degrees Earned</td>
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<td>3</td>
<td>8</td>
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<td>Number Certificates Earned</td>
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<td>1</td>
<td>0</td>
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<td>Number of Students Transferred</td>
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<td>0</td>
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<tr>
<td>Perkins Core Indicator - 1P1</td>
<td>66.67</td>
<td>100.00</td>
<td>83.33</td>
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<td>Perkins Core Indicator - 1P2</td>
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<td>Perkins Core Indicator - 4P2</td>
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</table>
Part II: Analysis of the Program

- List the names of your instructional faculty who taught in the fall 2008 / spring 2009 semesters.

  Paul Onomura

- List the names of your instructional lecturers who taught in the fall 2008 / spring 2009 semesters.

  None

- List the names of any non-instructional (support) faculty or staff in your program for the fall 2008 / spring 2009 semesters (if not applicable, just skip).

  Staff: Henry Maile

- What are the strengths of this program?

  HonCC (Honolulu Community College) diesel technology program is the only diesel technology program on Oahu.

- What are the weaknesses of this program?

  Cutting edge technology in the diesel industry requires more electronic testing equipment, along with current year vehicles to train with. As of today HonCC has 7 electronically controlled vehicles in the diesel program that are 9 years old.

- What opportunities exist for the program?

  Expansion of the ASE preparation classes to include medium/heavy duty trucks.

- What challenges (threats) exist for the program?

  Expansion of the program in the future to achieve NATEF (national automotive teachers educational foundation) certification.
• Are the measurement of your Program and Course SLOs providing adequate information to evaluate student learning or should new measures be developed?

New measures should be adopted such as the skill manager PDA (palm pilot) program; this computer-based program uses a PDA and a desktop computer to track daily student progress. It can also rate, track, and report completed tasks out in the shop. A second option is a pre course and post course knowledge survey of all upcoming courses.

• How do you know that students are achieving your stated Program SLOs?

Tests, quizzes, and final exams

• What kinds of evidence can you provide? (You don’t have to include the evidence in this report. Just list some of the ways that you collect evidence on student learning. Examples include knowledge surveys, projects, writing samples, observations, portfolios, performance tests, capstone experiences, etc.)

Diesel students repairing a diesel powered bobcat for HonCC’s apprenticeship program.
• Does the program have sufficient resources to promote student learning? Are other resources needed such as personnel, facilities, or equipment? If additional resources are required, what evidence/rationale is there to support this?

Present resources are adequate for the current program. However,

If the program is to seek NATEF (national automotive teachers educational foundation) certification additional funding and improvements to current facilities are needed. Such as tools and equipment. Improvements to the current building to facilitate “live work”. An expanded computer lab, so students can look up technical service information wirelessly in the shop area so students don’t have to leave the work area to find information, and the skill manager PDA program to track SLO’s. Additional personnel would also be needed and funded.

• Do all of your instructors (both faculty and lecturers) include the course (not program) SLOs into their syllabus? How do you ensure that everyone is doing so?

  yes

• Where do the instructors get the course SLOs from? (Do they get them from the program coordinator? From the division secretary? From the HCC Website?)

  On-line Honolulu community college website course description- slo’s.

• Are all safety issues addressed?

  Honolulu Community College has in place a written safety program. It has been applied to diesel technology program. A safety liaison is assigned to the program.

Part III: Action Plan

• What tasks/goals have you accomplished from your previous action plan items on last year’s annual review report (include any strategic planning items that were funded / not funded – if not funded, where was your item prioritized on the strategic plan)?

  the purchase of 7 conventional, dual axle, late model, diesel truck/tractors.
- What tasks/goals have you set for the upcoming year (Fall 2009 / Spring 2010)?
  
  Expansion of the program to move toward NATEF (national automotive teachers educational foundation) certification.

- Who will be responsible for completing these tasks/goals?
  
  The current educational specialist 2 and the current instructor.

- What is the timeline for achieving these tasks/goals?
  
  Fall 2011

Part IV: Resource Implications (physical, human, financial)
- Are there any budgetary impacts for carrying out your action plan?
- Do any of your action plan items require integration into the strategic plan? (If so, have you notified your division chair / Dean of this action?)

  Currently all action plan items will be included in the HCC strategic plan.
  Div. chair and Dean informed.

Part V: Strategic Planning Items
- Does your program have any funding requests on the current strategic plan (equipment, positions, etc.)? If yes, please write an explanation on how your program review report supports the need to fund the program’s strategic plan request.

  Currently all action plan items are included in the strategic plan.
Minutes
Honolulu community college diesel technology

Advisory Committee Meeting
Tuesday, June 30, 2009
Honolulu community college bld 44
Honolulu, Hawaii 96817

MEMBERS:

Present:
Caryn N. Craig, Recruitment/ training supervisor, Roberts Hawaii
Mark Isono, Vice President, Larry's Auto parts Napa truck division
Kerweyne Paulo, Cutter dodge diesel specialist, Honolulu community college Automotive
Derek kuwahara, Shop Supervisor, HT&T Truck Center

In attendance:

Tech I Division Chair- Bert Shimabukuro
Program Dean - Transportation and Trades - Mark Silliman

Faculty: Paul Onomura, professor – bendix, Detroit Diesel, Mack, peterbuilt products: state of Hawaii licensed mechanic

Staff: Henry maile, educational specialist 2 – ASE master certified technician med/heavy duty trucks T1-8, ASE master certified technician automotive A1-8

Absent:

Robert Teixeira
Service Team Leader
Cummins West Inc.
Call to Order

A. Welcome and Introductions

The meeting convened at 6:05 p.m. and introductions of members and attendees were made. The agenda for the evening was noted in the meeting presentation and was reviewed.

B. Report

A PowerPoint presentation was conducted to give an overview the current curriculum, and the proposed changes to the diesel program to achieve NATEF certification.

PROGRAM IMPROVEMENTS

FULL TIME FACULTY SUPPORT PERSON

MULTIMEDIA CLASSROOM

ADDITIONAL TOOLS AND EQUIPMENT

NATEF CERTIFICATION

WHAT IS NATEF CERTIFICATION?

WHY ARE WE APPLYING NATEF CERTIFICATION?

WHAT AREAS ARE WE APPLYING FOR NATEF CERTIFICATION?

CERTIFICATION PROCESS

NATEF Review

On-Site Evaluation

Recommendation for Certification

MEDIUM/HEAVY TRUCK STANDARDS

Standards 1-9
Proposed curriculum changes:

New courses:

Add Preventive Maintenance course (150 hrs)
Add heating/ventilation and air conditioning course (120 hrs)
Basic chassis systems moved into steering and
Suspension lubrication and servicing moved into preventive
maintenance
All areas of instruction will now include diagnostics

New course hours:

Reduce diesel engine hours to 240 hours
Increase electrical/electronic systems to 240 hours
Increase brakes to 150 hours
Increase Suspension & Steering to 150 hrs
Reduce Drive train to 120 hrs

NEW* NATEF CERTIFIED program

1st semester

Technical practices-60 hrs
Operator orientation-60 hrs
R & R components- 90 hrs
Preventive Maintenance- 150 Hrs
2nd semester

Brakes – 150 hrs
Steering and suspension-150 hrs
Hydraulics – 60 hrs

3rd semester

Diesel Engines-240 hrs
Drive Train-120 hrs

4th semester

Electrical/Electronic Systems-240 hrs
Heating, Ventilation, & Air Conditioning-120 hrs

B. The advisory committee unanimously accepted the changes to
The curriculum. A tour of the facility was conducted by faculty
and staff.

New Business

The next meeting is tentatively scheduled for HONOLULU COMMUNITY
COLLEGE DIESEL TECHNOLOGY BLD 44 ROOM 5 LAST WEEK IN
JANUARY 2010, 6:00PM TO 7:30PM. The meeting adjourned at 7:45 p.m.