

2008 Annual Report of Program Data Coversheet

College: *Hawai'i Community College*

Program: *Diesel Mechanics Technology*

Check All Credentials Offered	AA	AS	ATS	AAS	CA	CC	COM	ASC	
				X	X				

College Mission Statement (or provide link)

Hawai'i Community College promotes student learning by embracing our unique Hawai'i Island culture and inspiring growth in the spirit of "E'Imi Pono."

Program Mission Statement (or provide link)

To prepare students to be valued trades people who have the knowledge and skills necessary to effectively troubleshoot, maintain, and/or repair diesel engines, trucks, tractors, boats, and/or other heavy equipment.

OVERALL PROGRAM HEALTH (Check one)

<i>Healthy</i>	<i>Cautionary</i>	<i>Unhealthy</i>
	X	

Part II. Analysis of the Program (strengths and weaknesses in terms of demand, efficiency, and effectiveness based on an analysis of the data)

- The overall program health is Cautionary. Demand based on new and replacement positions in the county is weak showing only 4 positions available. The number of majors in fall 2007 is 33, which is significantly higher than demand presenting an Unhealthy assessment. Strong industry support suggests a higher demand for qualified diesel mechanics than is indicated by the county statistics.
- All the statistics used to determine efficiency increased favorably for the current period. Although the efficiency of the program is deemed Healthy, with one instructor and a fill rate of 110.71% and a ratio of majors/FTE BOR Appointed Faculty of 33, it is a concern as to whether safety and working conditions are being compromised.
- The persistence from fall to spring is 72.73% which falls at the Cautionary level and this is a decrease of 10.6% from 2006. More alarming is the data that only 3 degrees and 1 certificate were earned. With only one instructor and an open entry structure where students are being accepted any semester, it is extremely important to know the level at which the student is at.

Significant Program Actions (new certificates, stop-out; gain/loss of positions, results of prior year's action plan)

As a result of industry indicating the need for workers to have knowledge about electronics and air conditioning, electronics for diesel engines and air conditioning for diesel equipment were integrated into courses within the program.

Plan of Action 2007-2008	Status
1. Award the Hawthorne Caterpillar scholarships again for the 2008-09 academic year.	Two \$2,500 awards were given.
2. Further develop a relationship between Joe Schaffer, Palomar College, and the HawaiiCC Deisel Program. This will include investigating whether Mr. Schaffer would like to lecture three credits for HawaiiCC spring or fall 2008.	ongoing Mr. Schaffer will provide assistance to the Diesel Program fall 2008
3. Get the C-13 engine being contributed by Hawthorne running so students can experience a more modern diesel engine than those currently available in the lab.	in progress
4. Support Guam Community College in their development of a diesel program; this relationship is being developed at the request of Hawthorne Pacific Corp., a strong support of Hawai'i CC's diesel program.	no action
5. Have an outside person assess randomly selected students performing an actual work project.	no action
6. Work with Helen Nishimoto to survey employers of recent graduates to determine their assessment of the students' skills and work ethics.	no action
7. Continue to look for ways to replace outdated equipment.	ongoing
8. Determine if class caps can be lowered to improve safety and working conditions in the classroom	in progress

Part III. Action Plan

Plan of Action 2008-2009
1. Award the Hawthorne Caterpillar scholarships again for the 2009-10 academic year.
2. Further develop a relationship between Joe Schaffer, Palomar College, and the HawaiiCC Deisel Program.
3. Get the C-13 engine being contributed by Hawthorne running so students can experience a more modern diesel engine than those currently available in the lab.
4. Support Guam Community College in their development of a diesel program; this relationship is being developed at the request of Hawthorne Pacific Corp., a strong support of Hawai'i CC's diesel program.
5. Have an outside person assess randomly selected students performing an actual work project.
6. Work with Helen Nishimoto to survey employers of recent graduates to determine their assessment of the students' skills and work ethics.

7. Continue to look for ways to replace outdated equipment.
8. Determine if class caps can be lowered to improve safety and working conditions in the classroom
9. Form a technical maintenance council: a group of industry people who will make classroom presentations and hold training workshops. The purpose will be to make sure students are exposed to current industry training and trends.
10. Continue to review and update student learning outcomes and receive validation from industry.
11. Continue to develop assessment strategies and tools to evaluate student achievements.
12. Develop relationships with manufacturers nationwide.
13. Develop a recruitment flyer featuring non traditional students and the Modular Diagnostic Information System.
14. Continue to work with Hawthorne for donations of current diesel engines.

Part IV. Resource Implications (physical, human, financial)

Task:	Amount
1. hire 1 lecturer to teach 3-6 credits per semester	\$15K, P
2. hire 1 student lab assistant	\$5K, P
3. purchase updated engine for students to work on	\$10K, E
4. purchase updated transmissions: 13-18 speed	\$20K, E
5. purchase big storage tool box	\$12K, E
6. purchase drill presses	\$5K, E
7. purchase big bench grinder	\$2.5K, E
8. purchase wire feed welder	\$5K, E
9. purchase pressure washer	\$5K, E
10. purchase sand blaster	\$6K, E
11. purchase copy machine	\$1.5K, E
12. purchase fax machine	\$500, E
13. install crane	\$10K, installation
14. Increase supply budget	\$8K, SE
15. Repair and/or replace window blinds	\$6