

## 2008 Annual Report of Program Data Coversheet

**College:**     *Hawai'i Community College*

**Program:**   *Automotive 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)***

Prepare students for successful employment as an automotive mechanic.

<b><i>OVERALL PROGRAM HEALTH (Check one)</i></b>		
<b><i>Healthy</i></b>	<b><i>Cautionary</i></b>	<b><i>Unhealthy</i></b>
XX		

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

Overall the program is Healthy. There are 1.92 majors for every new and replacement position in the county (48/25). This ratio indicates a Demand score of Healthy. The fill rate is 92.86% and majors to FTE BOR appointed faculty is 24; both Healthy indicators. Number of degrees and certificates earned increased significantly in the three year period. The ratio of degrees earned in relation to new and replacement positions in the county is .76, a Healthy indicator. Persistence fall to spring have remained steady at Healthy percentages for the three year period.

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

<b>Action Plan 2007-2008</b>	<b>Status</b>
1. Complete purchase of the alignment system and get it installed prior to the start of fall 2008.	Completed
2. Review course level outcomes and submit necessary curriculum forms to update course outlines and syllabi.	In progress

3. Develop and document assessment strategies for all program learning outcomes.	In progress
4. Develop a system to track the results of students taking the ASE exams.	In progress
5. Utilize technology to teach students about repairs – The program will use <i>Mitchell On Demand</i> , a computer based repair manual that is commonly used in the industry. \$5,000.	Currently being used but subscription needs to be renewed in 2010
5. Request funds to update scan tool which is a vital part of the engine performance module. Newer model cars require the updated tool. \$12,000.	This is still a priority item
7. Request funds for a complete tool set. Instructors currently supply their personal tools for students use. \$50,000.	Received some funds from comprehensive program review but not enough. This is still a priority item in progress
8. Seek funds to purchase a transmission engine cradle. This is a new piece of equipment necessitated by newer model cars whose transmission comes out with the engine. \$5,000	This is still a priority item
9. Request funds to replace air hoist lifts. The existing lifts are starting to give trouble and if the cylinder leaks it would be an EPA problem. The program has two air lifts which are outdated. Above ground hoists are now being used. The program has two above ground hoists so is requesting a third above ground hoist to replace one of the two air lift hoists. \$10,000	This is still a priority item
9. Attend NATEF event. NATEF is the National Automotive Technicians Education Foundation, a non profit foundation responsible for the automotive program evaluation process and makes recommendations for ASE program certification based on the evaluations. \$4,000	This is a priority professional development activity
10. Request funds to replace hot water pressure washer. Washer is broken and parts are not available. Washer is used in all phases of lab assignments. \$4,000.00	This is still a priority item

11. Request funds to replace broken transmission jack. Jack repair is not possible because parts are not available for repair. \$3,500	This is a priority item
12. Request funds to replace broken air compressor. Complete purchase and install as soon as possible.	In progress

***Part III. Action Plan***

1. Revise program learning outcomes and develop course learning outcomes and have validated by Program Advisory Council
2. Review course level outcomes and submit necessary curriculum forms to update course outlines and syllabi.
3. Explore and research incorporating Hybrid technology into the curriculum. Make changes to curriculum if necessary.
3. Inquire ways in which program can pay for the state licenses faculty have had to purchase personally for their ASE certification exams; without the licenses the repair facility could not do live jobs. \$600

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

<b>Item</b>	<b>Rationale</b>	<b>Estimate Cost</b>
Replace air compressor	Existing air compressor broke unexpectedly; this is necessary to the everyday activities of the lab. This equipment is essential because 95% of our lab equipment uses compressed air to operate.	\$18,000
Mitchell-On-Demand renewal.	This computer based repair manual will expire at the beginning of 2010. This is required in all phases of our curriculum--lecture and lab and used by all students daily.	\$5,000

Replace transmission jack	Existing jack is broken and parts are not available for repair. This equipment is essential for use in all phases of engine, powertrain & autotrans courses. Without this equipment students cannot safely complete their assignment in these areas.	\$3,500
Replace hot water pressure washer.	Washer is broken and parts are not available for repair. Washer is used in all phases of lab assignments. Without this equipment our program will not meet environmental regulations.	\$4,000
Replace scan tool.	Current scan tool is outdated. Students must have skills in usage of <u>current</u> scan tool usage. Industry demands that entry level employees have met these requirements. This equipment will be used daily in all phases of our curriculum.	\$12,000
Replace tools	Received monies from comprehensive program review to purchase some tools but more are needed. The automotive mechanics field is tool intensive and tools need to be updated as changes occur in vehicles.	\$10,000
Replace transmission engine cradle	This is a safety issue. Newer model cars have transmissions that come out with the engine. The program currently uses a make-shift pulley system which is a hazard.	\$5,000

Professional Development	Attend NATEF event. NATEF is the national Automotive Technicians Education Foundation, a non profit foundation responsible for the automotive program evaluation process. It is important for faculty to attend this event periodically to stay current with industry trends.	\$4,000
Two above ground hoists	Existing air lifts are outdated and are starting to give trouble; if the cylinders leak, it will create an EPA problem. Industry is moving to above ground hoists; the program needs to replace two existing air lifts with above ground hoists	\$10,000