

**UHCC December 2007 Coversheet –
Annual Instructional Program Review**

College: Hawaii Community College

Program: Automotive Mechanics Technology

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

College Mission Statement: Hawaii Community College promotes student learning by embracing our unique Hawaii Island culture and inspiring growth in the spirit of “*E ‘imi Pono.*”

Program Mission Statement: The mission of the Automotive Mechanics Technology Program is to prepare students for successful employment as an automotive mechanic.

OVERALL PROGRAM HEALTH (Check one)		
Healthy	Cautionary	Unhealthy
✓		

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

The program is healthy. Demand based on new and replacement positions in the county is considerably higher than the number of majors or graduates. Industry support also indicates strong demand for graduates. Number of degrees and certificates earned increased significantly in the three year period. The average class size and fill rate positively increased for the most recent reporting period along with FTE program enrollment while the cost per students semester hour (SSH) has decreased. Academic and technical skill attainment as well as completion rates have remained steady at an acceptable percentage for the three year period.

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

Action plans for the prior year focused on purchase of needed items. These items were included in the supplemental budget request. The outcome of this is still not known. The program continues to work on course level student learning outcomes and assessment strategies. One issue identified in the prior year plan was the payment of the faculty’s

state licenses that enable the program to do live jobs. License renewal requisitions were submitted but were refused for payment by the business office. They were returned saying that APM A8.225, "Items Not To Be Purchased" says professional fees are not to be purchased.

Part III. Action Plan

1. Complete purchase of the alignment system and get it installed prior to the start of fall 2008.
2. Review course level outcomes and submit necessary curriculum forms to update course outlines and syllabi.
3. Develop and or document assessment strategies for student learning outcomes.
4. Develop a system to track the results of students taking the ASE exams.
5. Request funds to purchase needed equipment and tools, estimated cost of replacement and new equipment/tools is \$56,000.
6. Attend a NATEF event.

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

Item	Rational	Estimated Cost
1. Alignment system	<i>Note: Paperwork to purchase this is system is in progress. It is being included as a contingency since a purchase order has not been issued or funds encumbered. An alignment system is an integral part of the minimum competency for the suspension and alignment module. Faculty sign off students as having passed the competency since it isn't the students' fault the equipment is not available. A lecture on the topic and blackboard drawing is no substitute for hands on application. This is an essential course requirement.</i>	\$75,000
2. Renew <i>Mitchell On Demand</i> , a computer based repair manual, subscription	<i>Mitchell on Demand</i> is commonly used in industry. It takes the place of hard copy repair manuals.	\$4,000 for 3 year subscription
3. New model scan tool	Newer model cars require an updated tool. This tool is a vital part of the engine performance module.	\$12,000
4. Replace tools	Tools replacements have not occurred in several years. The automotive mechanics field is tool intensive and tools need to be updated as changes occur in vehicles.	\$10,000

5. 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
6. 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
7. 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
8. Hot water pressure washer	The program's sole pressure washer is leaking. Average life is 2-3 years; the existing washer is 7 years old and needs to be replaced. This is a tool used daily.	\$3,000
9. Air Conditioning Recovery and Charging Station	Current station works sporadically. This is an essential piece of equipment.	\$5,000
10. Backup system for <i>Mitchell on Demand</i>	The program has only one system for its online repair manual, Mitchell on Demand. When it goes down, almost all work in the shop comes to a halt. A backup system is being requested.	\$3,000

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