

UHCC December 2008 Coversheet – Annual Instructional Program Review

College: Hawaii Community College

Program: Carpentry

| 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 Carpentry Program is to provide curricula and activities to prepare students for employment in the field of carpentry and to maximize the potential of the individual to fulfill his/her personal and career goals through development of his/her skills and abilities to meet the needs and requirements of a productive society.

| OVERALL PROGRAM HEALTH (Check one) | | |
|------------------------------------|-------------------|------------------|
| <i>Healthy</i> | <i>Cautionary</i> | <i>Unhealthy</i> |
| ✓ | | |

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. Demand based on new and replacement positions in the county is significantly higher than the number of majors or graduates. Classes consistently fill at more than 90% capacity and the cost per student semester hour is reasonable compared to other applied technical education programs. A three year trend analysis indicates strength for the majority of data elements. The only weak areas are some of the Perkins core indicators. Reasons for declines in areas of achievement and employment are varied. In some cases, students leave school before graduating because they need to work. Others find jobs not reported on the state’s employment record; this is especially true of the construction trades since employers often hire workers as independent contractors, which equates to being self-employed. The data, also may have not have truly addressed the weakening job market that started in April 2008 and has plummeted ever since. Weaknesses in this area are offset by a positive increase in the persistence of majors’ fall to spring 2007-2008, an indication that students are succeeding and staying with the program. Faculty will monitor weak areas closely and will continue efforts to promote the program as a viable option for non-traditional participation

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

Effective fall 2007, the Carpentry Program modified its first semester curriculum to split its one 12-credit class, Carpentry 20, into two classes. The new classes are Carpentry 20A (3 credits) and Carpentry 21A (9 credits). This was done to articulate classes being offered by the construction academy at local high schools on the Big Island of Hawai'i. Students enrolled in the construction academy classes who earn a "B" or better have an opportunity to earn credits that can be applied to the Carpentry program at Hawaii Community College. Our instructors have worked closely with the Construction Academy to provide an equivalent and seamless integration of incoming students and acknowledge that adjustments and monitoring will be necessary for a successful and sustainable outcome.

Part III. Action Plan

The Carpentry Program will closely monitor the progress of the Construction Academy's students that enter the Hawaii Community College Carpentry Program to insure the 3 credits are justified by what is taught at the high schools.

Currently the Carpenter's Union Local 745 credits students graduating from the Carpentry Program with a total of 1000 work hours and 240 classroom hours. This is applied to the students' records upon been accepted into the Carpenter's Union Local 745. Further attempts to negotiate with the union to get additional credits for the students have being unsuccessful, but will be pursued.

The program will continue to work with Department of Hawaiian Home Lands under a contract that is in effect until 2011. This involves the carpentry students constructing an affordable residential home on Hawaiian Home Lands for a qualified Hawaiian applicant.

The Carpentry Program will continue to manage its resources by promoting recycling of valuable construction materials throughout the academic year. By maximizing the use of the following materials through conservation and recycling, the program saves money and promotes sustainability standards:

- concrete masonry unit (CMU) hollow tile
- concrete form materials (2 x 6,8,10,12)
- flooring materials (2x 6 & 8, 4 x 6, 8))
- sheathing materials (3/4" x 4 x 8 T & G Flooring)
- framing materials (2 x 4, 6, 8)
- roofing materials (Galvanized Roof Iron)
- nails
- using "green" technology, i.e. water borne finishes (paint, varnish)

The Carpentry Program also depends on the local building industry to provide direction and resources for our curriculum. We have received donations of hundreds of board feet of hard and soft woods to be recycled in our laboratory tasks and projects. They have been an invaluable source of information on tools, machines, materials and procedures which our program must consider to keep up with the current and future industry.

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

1. Replacement of the 1992 Crew Cab Truck \$45,000.
2. Replacement of the 1981 Flatbed Truck \$60,000
3. Upgrade stationary machines to industry standards \$10,000
4. Facility upgrades \$2,705,000.00
Building 390 Shop - projected start date - academic year 2009-2010
Building 390 Bathroom - projected start date – academic year 2010-2011

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