UHCC December 2007 Coversheet –
Annual Instructional Program Review

College: Hawai'i Community College

Program: Auto Body Repair and Paint Program

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

College Mission Statement (or provide link)
See web page 6 at http://hawaii.hawaii.edu/learningresources/Catalog_2006-2007.pdf

Program Mission Statement (or provide link)
Our endeavor is to provide the maximum learning opportunity for students to build proficiency in auto body repair and paint technology, current industry collision and paint methodology, related field manual dexterity, and good sound work ethics; in alignment with UHCC's and HawCC mission to serve all segments of our Hawai'i Island community.

OVERALL PROGRAM HEALTH (Check one)		
Healthy	***Cautionary***	***Unhealthy***
	X	

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

Part I. Quantitative Indicators for Program Review

	AY 04-05	AY 05-06	AY 06-07
ABRP			
1. Annual new and replacement positions in the State	1005	1005	1005
2. Annual new and replacement positions in the County	12	12	12
3. Number of majors	36	38	31
4. Student Semester Hours for program majors in all program classes	396	388	275
5. Student Semester Hours for Non-program majors in all program classes	0	12	0
6. Student Semester Hours all program classes	396	400	275
7. FTE Program enrollment	26.4	26.67	18.33
8. Number of classes taught	12	12	12
9. Determination of program's health based on demand (Health, Cautionary, or Unhealthy)			
10. Average Class Size	16.5	16.42	11.42
11. Class fill rate	91.67%	91.2%	63.43%

12. FTE of BOR appointed program faculty	2	2	2
13. Student/Faculty ratio	18:1	19:1	15.5:1
14. Number of Majors per FTE faculty	22.5	23.75	19.38
15. Program Budget Allocation (Personnel, supplies and services, equipment)	$81,496.00	$81,896.00	$80,686.00
16. Cost Per Student Semester Hour	$205.80	$204.74	$293.40
17. Number of classes that enroll less than ten students	0	0	6
18. Determination of program's health based on Efficiency (Healthy, Cautionary, or Unhealthy)			
19. Persistence of majors fall to spring	86.11%	78.95%	67.74%
20. Number of degrees earned (annual)	7	5	4
21. Number of certificates earned (annual)	4	10	5
22. Number of students transferred (enrolled) to a four-year institution in UH	0	0	0
23. Perkins core indicator: Academic Attainment(1P1)	45.45%	53.85%	42.86%
24. Perkins core indicator: Technical Skill Attainment (1P2)	85.71%	86.67%	72.22%
25. Perkins core indicator: Completion Rate (2P1)	28.57%	53.33%	22.22%
26. Perkins core indicator: Placement in Employment Education, and Military (3P1)	66.67%	100.00%	75.00%
27. Perkins core indicator: Retention in Employment (3P2)	100.00%	75.00%	100.00%
28. Perkins core indicator: Non Traditional Participation (4P1)	17.86%	15.38%	20.00%
29. Perkins core indicator: Non Traditional Completion (4P2)	25.00%	20.00%	.00%
30. Determination of program's health based on effectiveness (Healthy, Cautionary, Or Unhealthy)			
31. Determination of program's overall health (Healthy, Cautionary, or Unhealthy)			
32. Number of FTE Faculty	1.6	1.6	1.6

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

The program is healthy, because data elements are reasonable in comparison to the division.

Data elements 1-9, demand elements, for new and replacement positions, numbers of majors, SSH's, and FTE program low enrollment should improve with each subsequent year.

Program efficiency for average class size, fill rate, student/faculty ratio, number of majors per FTE faculty, program budget allocation, cost per SSH, and number of classes less than ten students has been steadily improving over the review years. Cost per student semester hours have been declining indicating the program is improving in its efficiency. Low enrollment recruitment efforts will rise. In this area, the program instructors agree that it is cautionary.

Program effectiveness including majors fall to spring semesters, degrees earned, Perkins 1P1, 1P2, 2P1, 3P1, 3P2, 4P1, and 4P2 are reasonable or better as compared to programs within the division. We have non-traditional participation and completion rates for them is good (4P1, 4P2) while over-all completion rates (2P1), although improved significantly, could be better.

The program's over-all health is "Healthy" and improving.

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

Accomplishments of prior year's action plan items:

1. Developed student learning outcomes for all program courses.
   See below: Course SLO's
2. Continued our effort on student recruitment.
3. Transformed the old steam cleaning room into a second year classroom with zero cost to the program. All paint materials and supplies, air conditioner, and students' input were all donated.
4. Acquired a Miller Aluminum MIG welder to upgrade our advance welding area.
5. Acquired funding to have the systems auto body program instructors convene at our facility for the new welder demonstration and training, and convene after for a PCC meeting.
6. Created certificate of completion for the programs first semester and second semester.

COURSE		SLOS						
		SLO 1	SLO2	SLO 3	SLO 4	SLO 5	SLO 6	SLO 7
ABRP 20			X	X			X	X
ABRP 21			X				X	X
ABRP 22			X				X	X
ABRP 23			X				X	X
ABRP 24			X				X	X
ABRP 25			X	X			X	X
ABRP 30		X		X			X	X
ABRP 31				X			X	X
ABRP 32				X			X	X
ABRP 33				X			X	X
ABRP 34				X			X	X
ABRP 35				X			X	X
ABRP 40					X		X	X
ABRP 41		X			X		X	X
ABRP 42		X	X		X	X	X	X
ABRP 43			X		X		X	X
ABRP 44					X		X	X
ABRP 45					X		X	X
ABRP 50		X				X	X	X
ABRP 51		X	X		X	X	X	X
ABRP 52		X	X			X	X	X
ABRP 53						X	X	X
ABRP 54				X		X	X	X

The above program level student learning outcomes are as follows:

SLO 1. Demonstrate entry-level skills for accuracy in structural repairs, non-structural repairs, painting theory, plastic repair and plastic refinishing.

SLO 2. Demonstrate competence in safe & proper work attitude, identification of hand tools, power tools, the characteristics of various welding and cutting techniques applied on current types of metals used on OEM replacement parts, metal straightening techniques, rust repair solutions, and corrosion protection.

SLO 3. Demonstrate competence in proper safety procedures & practices for automotive refinishing, operation of OSHA, HIOSH, Right-To-Know Act, EPA laws & regulations, refinish equipment, application of color, matching, problems, blending, plastic repair and refinishing.

SLO 4. Demonstrate competence in collision damage appraisal, panel removal & alignment, door & quarter panel replacement, movable & stationary glass service, and electrical components.

SLO 5. Demonstrate competence in structural damage analysis, straightening, & replacement panels, steering & suspension systems, heating & cooling systems

SLO 6. Demonstrate computation, communication, critical thinking, research, and problem solving skills as well as an appreciation for the diversity of cultures, community, and the environment.

SLO 7. Take pride in the quality of projects and performance; possess responsible work ethics and standards, and model attitudes of professionalism and appearance.

Part III. Action Plan (Continue efforts)

Teach the basic fundamentals of auto body repair and painting, salable skills, good work attitudes, and strive to for 60-80% of its graduates with 100% job placement with entry-level skills or higher, into the auto body collision repair field or related occupations. With the remaining graduates guided to other field of occupations or unrelated decisions.

Provide students hands-on experience through pseudo projects, from donated body panels and vehicles to meet the competencies needed to do live projects. Team up students into groups of two or three and assign teams various types of live projects. Instructors need to solicit and select a minimum of six to ten live projects annually according to students' skill level from inter-department, faculty, staff/family and community.

Keep abreast of changing technology by attending work shops and seminars offered here, neighbor islands and also on the mainland.

Encourage students to participate in attaining their ASE Automotive Service Excellence Certification.

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

CHART 1: FACILITIES ASSIGNED TO PROGRAM

List Bdng/Rm/Lab/Shop	Describe Renovation/Repair Needed	Estimated Cost
Building 321/201 Existing Collision Repair Systems	-remove and disassemble both frame repair systems -relocate frame systems to old paint spray area -reassemble, secure and level frame system -remove in ground hoist, dispose and resurface floor	$1,125,000
Building 321/201 Old Condemned Spray Booth and Paint Prep Room	-remove electrical from spray booth -remove compressed air lines from spray booth -remove SAS air supply system from spray booth -remove water pipe line and spray booth floor drain -disassemble and dispose of old condemned spray booth -remove existing spray booth curbing -level existing spray booth floor -level existing paint prep room floor -install ceiling light fixtures in old spray booth area -install welding plug outlet, upgrade electrical outlets	
Building 321/201 Spray Booth, Prep Station, and Adjoining Paint Mixing and Storage Room	-painting system to be located in old collision repair area -erect new down draft spray booth -erect paint prep station -erect adjoining paint mixing and storage room to booth -install electrical light fixtures	

	-install free air supply system -install self contained compressed air supply system -relocate and set-up paint mixing bank, scales, paint recyclers, gun washers, and paint safe storage	
Building 321/201 Old Steam Cleaning Room turned into Second Year Class Room	-remove present equipment -repaint ceiling and walls -install internet cable -install air conditioning system	$4,000
Building 321/201 Lab Bay Roll Up Door	-replace broken 20 foot wide roll up door (out of commission more than six years, two repair stalls are dead space)	$6,000-10,000

CHART 2: INVENTORY LIST: EQUIPMENT and CONTROLED PROPERTY

Program Assigned Equipment (E) and Controlled Property (CP) (List in order of chronological depreciation date	**Category E = item value> Than $5K CP = item value $1K - $5K**	**Expected Depreciation Date**	**Estimated Replacement Cost**
(1982) Whitney Frame Alignment System	E	1992	$75,000.00
(1982) Whitney 614 Brake Bending	E	1992	$7,000.00
(1982) South Bend 10 inch Metal Lathe	E	1992	$15,000.00
(1982) Kar Grabber Repair System	E	1992	$20,000.00
(1982) Diarco Power Shear	E	1992	$8,500.00
(1986) Glas Craft System Spray Up	E	1996	$5,500.00
(1994) Sullair Air Compressor	E	2004	$8,500.00
(1999) Lincoln Squarewave TIG Welder	CP	2007	$4,500.00
(1999) 3-D	CP	2009	$4,800.00

Combination Universal Laser			
(2000) Uni-Ram Solvent Recycle System	CP	2005	$4,500.00
(2000) Solar MIG Welder W/Cart	CP	2008	$2,300.00
(2002) DuPont Chroma Vision	E	2007	$7,250.00
(2002) DuPont Mini Colornet	CP	2007	$4,700.00
(2002) Dedpes 88 Mixer Base	CP	2012	$1,600.00
(2002) Sartorius Scale	CP	2012	$1,800.00
92002) IRT 302 Paint Cure System	CP	2010	$4,600.00
(2002) Dell Optiplex GX240 Computer	CP	2007	$1,500.00
(2002) Dell Optiplex GX240 Computer	CP	2007	$1,500.00
(2002) 3M Self Contained Respirator	CP	2009	$1,200.00
(2002) 3M Self Contained Respirator	CP	2009	$1,200.00
(2002) 3M Self Contained Respirator	CP	2009	$1,200.00
(2002) 3M Self Contained Respirator	CP	2009	$1,200.00
(2002) Viewsonic Projector	CP	2008	$2,500.00
(2004) Toshiba Satellite A40 Lap Top Computer	CP	2008	$1,400.00
(2004) Toshiba Satellite A40 Lap Top Computer	CP	2008	$1,400.00
(2004) Genesis Scan Tool	CP	2008	$3,000.00
(2005) Pro Spot Squeeze Type Resistance Spot Welder	E	2013	$16,000.00
(2005) Lincoln Precision TIG 185 Ready Pak Welder	CP	2013	$2,900.00

CHART 2: PERSONNEL

Instructors
Mike Saito, Assoc. Professor
Lloyd Sanborn, Assoc. Professor

CHART 3: BUDGET REQUEST

Describe Item $25K line item	Biennium Request First Yr.	Biennium Request Second Yr.	Reallocation of Funds and/or Position	X Amt. Line Item
Air Compressor		$8,500.00		1
Air Dryer Unit		$2,500.00		1
Mig Welder		$9,500.00		5
Alumimum MIG Welder		$2,500.00		1
HVLP Paint Spray Gun	$4,200.00			6
5" Air Grinders	$1,800.00			10
DA Sanders	$2,100.00			10
R/F Air Drills	$1,800.00			10
Angle Die Grinder	$1,600.00			10
Projector		$2,500.00		1
Air Conditioner System	$4,500.00			

Posted to College website at:
AY 2007 Completed Reviews