

University of Hawai'i
Honolulu Community College

Liberal Arts Program Indicators
2002-2003

Liberal Arts Program Indicators—Explanatory Remarks

- The Liberal Arts Program Indicators (LAPI) report is modeled after the Program Health Indicator Report (used for the occupational/technical programs at Honolulu Community College) in that it uses three components to describe program health: Program Demand, Program Efficiency (relationship and use of resources committed to a program), and Program Outcome. However, the actual indicators used to measure these three components for the LAPI are of necessity almost completely different from those used in the Program Health Indicator Report and cannot be compared across reports.
- While there are a number of ways to quantify each of the three components, two measures are provided for each component to review/select. Either or both can be used as the LAPI continues to evolve. “Minimum” and “Satisfactory” levels of performance have not been discussed or established at this point in time.
- The Liberal Arts are divided into broad divisions for most of the measures: Humanities, Language Arts, Mathematics, Natural Science, and Social Science (see Table 1 for subject breakdown). Within these divisions the data are usually grouped by Vocational/Technical majors, Liberal Arts majors, and Unclassified students to account for general educational support for vocational/technical programs as well as for students transferring to four-year programs.
- Program Demand is calculated with two measures: “Registrations by Major” and the “Number of Classes,” both for Fall 2002 and Spring 2003. “Registrations by Major” is the number of course registrations in the Liberal Arts divisions over the course of the academic year by major type. “Number of Classes” is the number of classes offered in the Liberal Arts divisions over the course of the academic year. “Special Studies” classes were excluded from the calculations (Note: SOCAD classes and Distance Education classes were included for comparative purposes but do not appear separately in other measures. In addition, SOCAD classes were counted differently compared to the previous report, reflecting dissimilar figures across reports).
- Program Efficiency is calculated with both a “Class Fill Ratio” and “Average Class Size” for Academic Year 2002-2003. “Class Fill Ratio” is the actual enrollment for the various Liberal Arts divisions’ courses divided by the maximum possible enrollment of these courses, expressed as a percentage. “Average Class Size” is the number of registrations for the various Liberal Arts divisions’ courses divided by the number of classes. The “Special Studies” courses were again eliminated from calculations, as they tend to bias the figures with low actual enrollment and high maximum enrollment.
- Program Outcome is calculated with “Degrees and Certificates” and a “Credits Earned Ratio.” “Degrees and Certificates” is simply the raw number of graduates for Liberal Arts (Vocational/Technical graduates are included for comparative purposes). The number of graduates is the *unduplicated* number of graduates of a program for Fall 2002 and Spring 2003. The degrees/certificates consist of Associate in Arts (AA), Associate in Science (AS), Associate in Applied Science (AAS), Certificate of Achievement (CA), and Certificate of Completion (CC). “Credits Earned Ratio” is the number of registrations with “D” or better grades (within the various Liberal Arts divisions’ courses) divided by the total number of registrations.

Table 1 HCC Liberal Arts Divisions by Subject*

Humanities	Natural Sciences
American Studies	Astronomy
Art	Biology
Asian Studies	Botany
History	Chemistry
Humanities	Geology and Geophysics
Music	Meteorology
Philosophy	Microbiology
Religion	Oceanography
Speech	Physics
Theatre	Science
	Zoology
Language Arts	Social Sciences
English (except Eng 20BCDE)	Anthropology
English as a Second Language	Economics
Hawaiian	Geography
Hawaiian Studies	Political Science
Japanese	Psychology
Linguistics	Social Science
Spanish	Sociology
Tagalog	Women's Studies
Mathematics	
Mathematics (except Math 20BCDEF)	
Quantitative Methods	

* As categorized within Banner system

DEMAND MEASURES

Registrations by Major AY 2002-2003

Humanities courses	No.	%
Liberal Arts major registrations	1478	58%
Unclassified major registrations	154	6%
Tech-Occ major registrations	908	36%
Total registrations	2540	100%
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Language Arts courses	No.	%
Liberal Arts major registrations	1295	47%
Unclassified major registrations	127	5%
Tech-Occ major registrations	1314	48%
Total registrations	2736	100%
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Mathematics courses	No.	%
Liberal Arts major registrations	825	43%
Unclassified major registrations	71	4%
Tech-Occ major registrations	1031	54%
Total registrations	1927	100%
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Natural Science courses	No.	%
Liberal Arts major registrations	811	46%
Unclassified major registrations	109	6%
Tech-Occ major registrations	854	48%
Total registrations	1774	100%
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Social Science courses	No.	%
Liberal Arts major registrations	810	54%
Unclassified major registrations	76	5%
Tech-Occ major registrations	608	41%
Total registrations	1494	100%
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All Liberal Arts courses	No.	%
Liberal Arts major registrations	5219	50%
Unclassified major registrations	537	5%
Tech-Occ major registrations	4715	45%
Total registrations	10471	100%

EFFICIENCY MEASURES

Class Fill Ratio AY 2002-2003

	Enrolled	Maximum	Fill Ratio
Humanities courses	2540	3432	74%
Language Arts courses	2736	3631	75%
Mathematics courses	1927	2900	66%
Natural Science courses	1774	2659	67%
Social Science courses	1494	2207	68%
All Liberal Arts courses	10471	14829	71%
All Tech-Occ courses	7298	10939	67%

Average Class Size AY 2002-2003

Humanities courses	20
Language Arts courses	18
Mathematics courses	20
Natural Science courses	18
Social Science courses	19
All Liberal Arts courses	19
All Technical-Occupational courses	14

OUTCOME MEASURES

Degrees and Certificates AY 2002-2003

	No.	%
Liberal Arts graduates*	108	16%
Tech-Occupational graduates*	585	84%
Total graduates*	693	100%

*unduplicated

Credits Earned Ratio AY 2002-2003

Humanities courses	No.	%
Liberal Arts major course completions	1161	79%
Unclassified major course completions	134	87%
Tech-Occ major course completions	734	81%
Total course completions	2029	80%
Language Arts courses		
	No.	%
Liberal Arts major course completions	943	73%
Unclassified major course completions	95	75%
Tech-Occ major course completions	1031	78%
Total course completions	2069	76%
Mathematics courses		
	No.	%
Liberal Arts major course completions	583	71%
Unclassified major course completions	45	63%
Tech-Occ major course completions	797	77%
Total course completions	1425	74%
Natural Science courses		
	No.	%
Liberal Arts major course completions	689	85%
Unclassified major course completions	95	87%
Tech-Occ major course completions	767	90%
Total course completions	1551	87%
Social Science courses		
	No.	%
Liberal Arts major course completions	526	65%
Unclassified major course completions	50	66%
Tech-Occ major course completions	462	76%
Total course completions	1038	69%
All Liberal Arts courses		
	No.	%
Liberal Arts major course completions	3902	75%
Unclassified major course completions	419	78%
Tech-Occ major course completions	3791	80%
Total course completions	8112	77%

NOTES

"Class Fill Ratio" is current enrollment over the maximum enrollment for the set of courses in the Liberal Arts division
Special Studies courses are removed from calculations of Class Fill Ratio

"Average Class Size" is the number of registrations divided by the number of classes

Registrations do not include "DR" or "W" students

Graduations are for conferred fall and spring graduates

Graduations are unduplicated for Fall and Spring

"Credits Earned Ratio" is the total number of registrations w/ "D" or better grades divided by the total number of registrations

"Credits Earned Ratio" calculation does not include "W" students in the calculation of total students

Distance Education courses were coded differently in Banner, leading to incomparability with LAPR 2001-2002 numbers