

University of Hawai'i
Honolulu Community College

Liberal Arts Program Indicators
2003-2004

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 2003 and Spring 2004. “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 2003-2004. “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 2003 and Spring 2004. 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
Communications	Chemistry
History	Geology and Geophysics
Humanities	Meteorology
Music	Microbiology
Philosophy	Oceanography
Religion	Physics
Speech	Science
Theatre	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 2003-2004

Humanities courses	No.	%
Liberal Arts major registrations	1524	59%
Unclassified major registrations	252	10%
Tech-Occ major registrations	805	31%
Total registrations	2581	100%
Language Arts courses	No.	%
Liberal Arts major registrations	1131	48%
Unclassified major registrations	160	7%
Tech-Occ major registrations	1081	46%
Total registrations	2372	100%
Mathematics courses	No.	%
Liberal Arts major registrations	852	44%
Unclassified major registrations	113	6%
Tech-Occ major registrations	984	50%
Total registrations	1949	100%
Natural Science courses	No.	%
Liberal Arts major registrations	846	49%
Unclassified major registrations	200	12%
Tech-Occ major registrations	672	39%
Total registrations	1718	100%
Social Science courses	No.	%
Liberal Arts major registrations	825	57%
Unclassified major registrations	172	12%
Tech-Occ major registrations	460	32%
Total registrations	1457	100%
All Liberal Arts courses	No.	%
Liberal Arts major registrations	5178	51%
Unclassified major registrations	897	9%
Tech-Occ major registrations	4002	40%
Total registrations	10077	100%

DEMAND MEASURESNumber of Classes (Day School)
AY 2003-2004

Humanities courses			124
Language Arts courses			141
Mathematics courses			100
Natural Science courses			99
Social Science courses			71
All Liberal Arts courses			535
All other courses			622

Number of Classes (DE only--included in Day School)
AY 2003-2004

Humanities courses			14
Language Arts courses			12
Mathematics courses			0
Natural Science courses			11
Social Science courses			8
All Liberal Arts courses			45
All other courses			16

Number of Classes (SOCAD only--not included in Day School)
AY 2003-2004

Humanities courses			21
Language Arts courses			9
Mathematics courses			9
Natural Science courses			28
Social Science courses			6
All Liberal Arts courses			73
All other courses			14

EFFICIENCY MEASURES

Class Fill Ratio AY 2003-2004

	Enrolled	Maximum	Fill Ratio
Humanities courses	2581	3531	73%
Language Arts courses	2372	3360	71%
Mathematics courses	1949	3070	63%
Natural Science courses	1718	2746	63%
Social Science courses	1457	2254	65%
All Liberal Arts courses	10077	14961	67%
All Tech-Occ courses	7039	10138	69%

Average Class Size AY 2003-2004

Humanities courses	21
Language Arts courses	17
Mathematics courses	19
Natural Science courses	17
Social Science courses	21
All Liberal Arts courses	19
All Technical-Occupational courses	14

OUTCOME MEASURES

Degrees and Certificates

AY 2003-2004

	No.	%
Liberal Arts graduates*	119	21%
Tech-Occupational graduates*	457	79%
Total graduates*	576	100%

*unduplicated

Credits Earned Ratio

AY 2003-2004

Humanities courses	No.	%
Liberal Arts major course completions	1193	78%
Unclassified major course completions	204	81%
Tech-Occ major course completions	628	78%
Total course completions	2025	78%
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Language Arts courses	No.	%
Liberal Arts major course completions	803	71%
Unclassified major course completions	124	78%
Tech-Occ major course completions	790	73%
Total course completions	1717	72%
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Mathematics courses	No.	%
Liberal Arts major course completions	636	75%
Unclassified major course completions	84	74%
Tech-Occ major course completions	763	78%
Total course completions	1483	76%
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Natural Science courses	No.	%
Liberal Arts major course completions	717	85%
Unclassified major course completions	169	85%
Tech-Occ major course completions	573	85%
Total course completions	1459	85%
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Social Science courses	No.	%
Liberal Arts major course completions	591	72%
Unclassified major course completions	128	74%
Tech-Occ major course completions	331	72%
Total course completions	1050	72%
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All Liberal Arts courses	No.	%
Liberal Arts major course completions	3940	76%
Unclassified major course completions	709	79%
Tech-Occ major course completions	3085	77%
Total course completions	7734	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