



Precollege-Level Course Enrollment at Kapi'olani Community College

Introduction:

The purpose of this study was to produce an overview of precollege-level English and Math course enrollment at Kapi'olani Community College (KapCC), and detect relevant trends in precollege course enrollment, course success rates, and re-enrollment at KapCC. This study focused specifically on the first-time-freshman cohorts of 2013, 2014, and 2015.

Methods:

All data was extracted from the University of Hawaii Operational Data Storage (ODS) warehouse. Fall cohorts (2013, 2014, 2015) of first-time-freshmen who were home-based at Kapi'olani Community College were initially identified using the iro_base ODS table. Course enrollment data and final grades for the members in each cohort were then extracted from the ODS table iro_regs_uh.

The Filipino, Native Hawaiian, Pacific Islander, and Pell Grant Recipient students enrolled in precollege English (21, 22) and/or math (24, 25, 75X, 81, 82, 88) were disaggregated from each cohort and analyzed via SAS software to determine: 1) the number of students enrolled in precollege courses in their first semester; 2) the number of students who successfully completed their first-semester precollege courses; 3) the number of students who initially enrolled in precollege courses and then enrolled in college-level course (ENG100 and MATH100 and 103) within one academic year; and 4) the number of students who initially enrolled in precollege courses and then completed college-level course (ENG100 and MATH100 and 103) within one academic year. Finally, a separate analysis was done to determine how many of the students who did not pass their first semester precollege courses actually returned to KapCC within one academic year. For the purposes of this study, one academic year refers to three semesters (e.g. Fall 2012, Spring 2013, Fall 2013).

Summary of Results:

The results suggest that between 26-27% of all incoming first-time-freshmen enroll in precollege-level English and math courses in their first semester. However, roughly 35-40% of first-time Native Hawaiian, Pacific Islander, and Pell recipients, and over 40% of first-time Filipino students enroll in precollege

courses. Course success rates (earned C or better) of precollege English courses range from 50-80% across groups, which is fairly consistent with the overall cohort rate of 63-68% over the past three years. In contrast, course success rates of precollege math courses range from 30-70% across groups, with an average of 55-60% success for the overall first-time freshmen cohorts between 2013 and 2015. However, while the course success rates for precollege math were lower than for precollege English, students who did not complete precollege math were more likely to continue at KapCC than those who did not pass precollege English.



Kapi'olani Community College Precollege-Level Course Enrollment (Math & English)															
	2013					2014					2015				
	All Students	Fillipino	Native Hawaiian	Pacific Islander	Pell Recipients	All Students	Fillipino	Native Hawaiian	Pacific Islander	Pell Recipients	All Students	Fillipino	Native Hawaiian	Pacific Islander	Pell Recipients
Number of First-Time Freshmen	1360	148	238	34	434	1334	145	215	26	428	1397	179	251	44	393
Students enrolled in precollege-level English during their first semester	358	73	90	13	156	365	63	78	8	178	366	90	96	19	158
	26.32%	49.32%	37.82%	38.24%	35.94%	27.36%	43.45%	36.28%	30.77%	41.59%	26.20%	50.28%	38.25%	43.18%	40.20%
Students who successfully completed (C or better) precollege-level English in their first semester	229/358	56/73	50/90	7/13	105/156	248/365	50/63	41/78	6/8	113/178	241/366	72/90	53/96	11/19	106/158
	63.97%	76.71%	55.56%	53.85%	67.31%	67.95%	79.37%	52.56%	75.00%	63.48%	65.85%	80.00%	55.21%	57.89%	67.09%
Students who did not complete precollege-level English and continued at KapCC within 1 academic year	86/124	7/16	24/40	5/6	35/51	75/111	8/12	23/36	1/2	40/61	Waiting on Freeze Event				
	69.35%	43.75%	60.00%	83.33%	68.63%	67.57%	66.67%	63.89%	50.00%	65.57%					
Students who initially enrolled in precollege-level English and enrolled in ENG100 within 1 academic year	149/358	28/73	30/90	6/13	62/156	208/365	38/63	42/78	3/8	88/178	Waiting on Freeze Event				
	41.62%	38.36%	33.33%	46.15%	39.74%	56.99%	60.32%	53.85%	37.50%	49.44%					
Students who initially enrolled in precollege-level English and completed ENG100 within 1 academic year	92/358	19/73	16/90	3/13	48/156	126/365	30/63	19/78	2/8	55/178	Waiting on Freeze Event				
	25.70%	26.03%	17.78%	23.08%	30.77%	34.52%	47.62%	24.36%	25.00%	30.90%					
Students enrolled in precollege-level Math during their first semester	469	77	86	10	191	438	64	82	4	172	373	73	72	19	162
	34.49%	52.03%	36.13%	29.41%	44.01%	32.83%	44.14%	38.14%	15.38%	40.19%	26.70%	40.78%	28.69%	43.18%	41.22%
Students who successfully completed (C or better) precollege-level Math in their first semester	285/469	42/77	45/86	3/10	121/191	263/438	44/64	48/82	2/4	102/172	209/373	46/73	28/72	10/19	88/162
	60.77%	54.55%	52.33%	30.00%	63.35%	60.05%	68.75%	58.54%	50.0%	59.30%	56.03%	63.01%	38.89%	52.63%	54.32%
Students who did not complete precollege-level Math and continued at KapCC within 1 academic year	146/182	29/35	27/41	6/7	53/70	138/173	14/19	25/34	1/2	55/69	Waiting on Freeze Event				
	80.23%	82.86%	65.85%	85.71%	75.71%	79.77%	73.68%	73.53%	50.00%	79.71%					
Students who initially enrolled in precollege-level Math and enrolled in MATH100 or 103 within 1 academic year	219/469	33/77	26/86	4/10	88/191	173/438	33/64	28/82	2/4	65/172	Waiting on Freeze Event				
	46.70%	42.86%	30.23%	40.00%	46.07%	39.50%	51.56%	34.15%	50.00%	37.79%					
Students who initially enrolled in precollege-level Math and completed MATH100 or 103 within 1 academic year	158/358	23/77	16/86	1/10	66/191	125/438	22/64	23/82	1/4	46/172	Waiting on Freeze Event				
	44.13%	29.87%	18.60%	10.00%	34.55%	28.54%	34.38%	28.40%	25.00%	26.74%					