



Channel Islands
CALIFORNIA STATE UNIVERSITY

Assessing Learning Communities - Spring 2023

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Introduction

Learning communities (LCs) are structured course blocks that support students' academic success and integration into university life and culture from both inside and outside the classroom. These course blocks usually consist of high-demand GE courses, and guaranteed seats in at least one high-demand course for their first Spring semester. These LCs are then separated into themes that are based on majors, identity, or interests that align with the university's Mission Pillars. At CSUCI students in LCs have the option to live on campus with fellow LC students in Living-Learning Communities (LLCs). LCs and LLCs over time have evolved substantially at CI from only 4 in 2011 to more than 10 in 2021. For this report to better capture the full picture of these programs (and at the suggestion of Marie Francois, the LC / LLC faculty director) students in both LCs and LLCs were conglomerated into one group of "participating in an LC / LLC." This report focuses specifically first-time full-time students. Participation in one of these programs was determined by using identifying courses, usually Univ 150, a critical thinking seminar focusing on setting university expectations for new students. To be qualified for one of these communities, students typically must enroll in at least 2 courses in the fall (UNIV 150 and another course); however only certain sections are considered part of them. This report takes this into account and limits selection only to students qualifying as being a part of one of these LCs / LLCs and will refer to them simply as "LCs" going forward since they are being looked at as one group.

Some notes before reading:

Pell Eligible: in this report is used as a proxy to denote a student as being "low-income" and are eligible to benefit from the Pell grant.

URM (Underrepresented Minority Group): a U.S. Citizen who identifies as Black/African American, Hispanic/Latinx, or American/Alaskan Native.

First-Gen (Attend): A student who is the first in their family to attend college (parent education is high school or less).

First-Gen (Graduate): A student who is potentially the first in their family to graduate college (parent education is some college or less).

Data for this report has been organized by cohort, meaning number of students refers to number of students in that cohort within that specific year.

Student Breakdown for LC/LLC participation 2011 – 2021

Below is the number of students determined to be participating in an LC and LLC over a 10-year period. The percentage values for these counts are to be read downwards based on their category. Example: **13%** of students for the **Fall 2011** cohort were in an LC. This percentage has grown to over 25% by Fall 2021. **These are the numbers used for the later breakdowns by percentage.**

	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Grand Total
In LC/LLC	78 13.0%	99 13.5%	119 14.5%	175 18.8%	272 31.2%	310 32.1%	245 26.8%	244 25.8%	184 21.1%	177 29.3%	137 25.4%	2,040 23.2%
Not in LC/LLC	524 87.0%	633 86.5%	704 85.5%	754 81.2%	599 68.8%	655 67.9%	668 73.2%	703 74.2%	688 78.9%	427 70.7%	403 74.6%	6,758 76.8%

Pell Eligibility Status

Overall LCs have a mostly Pell eligible participant pool. 60% of the participants of LCs across the years were deemed Pell eligible. Overtime, the percentage of Pell eligible students enrolled in LCs has steadily declined from nearly 72% to 50%, representing a decline of Pell eligible students enrolled in LCs by 22-percentage points. For students not in LCs, the split appears to be about 50% between Pell and non-Pell eligible students.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Grand Total
In LC/LLC	Pell Eligible	56 71.8%	62 62.6%	72 60.5%	119 68.0%	153 56.3%	173 55.8%	147 60.0%	148 60.7%	119 64.7%	100 56.5%	68 49.6%	1,217 59.7%
	Not Pell Eligible	22 28.2%	37 37.4%	47 39.5%	56 32.0%	119 43.8%	137 44.2%	98 40.0%	96 39.3%	65 35.3%	77 43.5%	69 50.4%	823 40.3%
Not in LC/LLC	Pell Eligible	205 39.1%	293 46.3%	345 49.0%	407 54.0%	324 54.1%	349 53.3%	348 52.1%	371 52.8%	362 52.6%	228 53.4%	190 47.1%	3,422 50.6%
	Not Pell Eligible	319 60.9%	340 53.7%	359 51.0%	347 46.0%	275 45.9%	306 46.7%	320 47.9%	332 47.2%	326 47.4%	199 46.6%	213 52.9%	3,336 49.4%

Across all years most attendants in LCs are URM students. When compared to the total average breakdown for students not in LCs, URM students see higher representation within LC communities (68%) than non-URM students (32%). Certain LCs specifically seek to recruit URM students which may also contribute to the high level of representation. Since Fall 2011, there has been a nearly 6-percentage point increase of URM students enrolled in LCs. Of those students not in an LC, 57% are URM while 43% are not.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Grand Total
In LC/LLC	URM	53 67.9%	62 62.6%	82 68.9%	121 69.1%	170 62.5%	204 65.8%	181 73.9%	159 65.2%	133 72.3%	124 70.1%	101 73.7%	1,390 68.1%
	Not URM	25 32.1%	37 37.4%	37 31.1%	54 30.9%	102 37.5%	106 34.2%	64 26.1%	85 34.8%	51 27.7%	53 29.9%	36 26.3%	650 31.9%
Not in LC/LLC	URM	219 41.8%	330 52.1%	381 54.1%	436 57.8%	364 60.8%	364 55.6%	408 61.1%	443 63.0%	397 57.7%	281 65.8%	223 55.3%	3,846 56.9%
	Not URM	305 58.2%	303 47.9%	323 45.9%	318 42.2%	235 39.2%	291 44.4%	260 38.9%	260 37.0%	291 42.3%	146 34.2%	180 44.7%	2,912 43.1%

First Generation (Attend) Status

Students whose parents never attended college were overrepresented in LCs compared to the Non-LC participating students. 45% of students in LCs between Fall 2011 and Fall 2021 were the first in their families to attend college. Alternatively 55% of students in LCs during this period did not identify as first gen attending college. Over the last decade, the share of first gen (attend) students enrolled in LCs has declined by slightly more than 5-percentage points. 34% of students not in LCs identified as first gen (attend), while 66% of those no-LCs students were not first gen (attend).

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Grand Total
In LC/LLC	First-Generation (Attend)	36 46.2%	41 41.4%	59 49.6%	89 50.9%	114 41.9%	122 39.4%	119 48.6%	102 41.8%	90 48.9%	85 48.0%	56 40.9%	913 44.8%
	Not First-Gen (Attend)	42 53.8%	58 58.6%	60 50.4%	86 49.1%	158 58.1%	188 60.6%	126 51.4%	142 58.2%	94 51.1%	92 52.0%	81 59.1%	1,127 55.2%
Not in LC/LLC	First-Generation (Attend)	133 25.4%	201 31.8%	228 32.4%	244 32.4%	237 39.6%	220 33.6%	234 35.0%	279 39.7%	249 36.2%	169 39.6%	128 31.8%	2,322 34.4%
	Not First-Gen (Attend)	391 74.6%	432 68.2%	476 67.6%	510 67.6%	362 60.4%	435 66.4%	434 65.0%	424 60.3%	439 63.8%	258 60.4%	275 68.2%	4,436 65.6%

First Generation (Graduate) Status

Students whose parents attended some college but never graduated were even more overrepresented in LCs than those who identified as first generation to attend college. For example, about 69% of all students enrolled in LCs since 2011 identified as first gen college graduates. While the trend of first gen graduate student enrollment in LCs over time is not linear, we can see that from Fall 2011 to Fall 2021 there has been a 14.5-percentage point decline for this population. This distribution seems to even out within the last two years possibly due to classes being exclusively online (Fall 2020) or blended (Fall 2021) due to COVID.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Grand Total
In LC/LLC	First-Generation (Graduate)	58 74.4%	78 78.8%	91 76.5%	129 73.7%	173 63.6%	197 63.5%	167 68.2%	170 69.7%	139 75.5%	115 65.0%	82 59.9%	1,399 68.6%
	Not First-Gen (Graduate)	20 25.6%	21 21.2%	28 23.5%	46 26.3%	99 36.4%	113 36.5%	78 31.8%	74 30.3%	45 24.5%	62 35.0%	55 40.1%	641 31.4%
Not in LC/LLC	First-Generation (Graduate)	262 50.0%	372 58.8%	399 56.7%	449 59.5%	389 64.9%	397 60.6%	410 61.4%	448 63.7%	421 61.2%	262 61.4%	229 56.8%	4,038 59.8%
	Not First-Gen (Graduate)	262 50.0%	261 41.2%	305 43.3%	305 40.5%	210 35.1%	258 39.4%	258 38.6%	255 36.3%	267 38.8%	165 38.6%	174 43.2%	2,720 40.2%

Fall to Fall Retention (1-year)

Below are the 1-year Fall to Fall retention rates for students within their respective cohorts from the Fall 2011 to the Fall 2021 cohort with comparison groups of non-LC participating students.

	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Grand Avg.
In LC/LLC	91.3%	82.4%	85.4%	84.2%	83.0%	82.8%	78.8%	80.9%	85.9%	80.8%	73.0%	82.2%
Not in LC/LLC	83.5%	78.1%	75.7%	78.3%	80.8%	79.3%	76.7%	75.6%	82.4%	82.1%	75.6%	78.8%

F-F Retention by Pell Eligibility

On average, students who participated in an LC have a higher 1-year retention rate when controlling for Pell grant eligibility. LC Students on average who were Pell Eligible showed a 5-percentage point increase in their retention from Fall-to-Fall. The gap between Pell eligible and non-Pell eligible student retention is negligible once taking an LC is factored in. However Pell eligible students not in an LC are retained at lower rates than their non-Pell eligible counterparts.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Grand Avg.
Pell Eligible	In LC/LLC	91.2%	82.8%	88.0%	84.9%	82.0%	79.0%	78.7%	83.2%	85.7%	79.0%	72.1%	82.0%
	Not in LC/LLC	83.4%	77.9%	72.8%	76.4%	77.3%	78.8%	74.9%	74.3%	81.5%	77.1%	72.0%	76.9%
Not Pell Eligible	In LC/LLC	91.3%	81.6%	81.3%	82.5%	84.4%	87.7%	79.0%	77.3%	86.2%	83.1%	73.9%	82.4%
	Not in LC/LLC	83.5%	78.2%	78.4%	80.6%	85.0%	79.7%	78.7%	77.0%	83.5%	87.9%	78.8%	80.7%

F-F Retention by URM

URM students in LCs show a higher retention rate in terms of Fall-to-Fall retention (3-percentage points higher). In recent years, URM students are retained at higher rates when participating in LCs, however this is not true for every year. Rates may continue to increase to previous percentages as time in a “post-covid” world goes on. LCs, on average, help close the equity gap for URM students regarding fall to fall, one-year, retention.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Grand Avg.
URM	In LC/LLC	88.9%	84.1%	86.9%	86.7%	79.1%	80.1%	80.0%	83.1%	85.7%	80.6%	74.3%	82.0%
	Not in LC/LLC	83.8%	80.2%	72.1%	79.2%	79.0%	78.3%	74.3%	77.0%	84.1%	82.1%	74.2%	78.4%
Not URM	In LC/LLC	96.2%	79.5%	82.1%	78.2%	89.6%	88.0%	75.4%	76.7%	86.3%	81.1%	69.4%	82.5%
	Not in LC/LLC	83.3%	75.6%	79.8%	76.9%	83.6%	80.4%	80.6%	73.2%	80.1%	82.1%	77.2%	79.3%

F-F Retention by First Generation (Attend)

In years prior to 2020 LCs have higher retention rates for first-gen (Attend) students as opposed to their non-LC participating peers. It is possible that the lack of the in-person component provided by LLCs due to COVID may have impacted these retention rates for the 2020 and 2021 cohorts. On average, LC participation does not seem to impact first gen (attend) fall to fall retention over this 10 year period.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Grand Avg.
First-Generation (Attend)	In LC/LLC	91.9%	81.0%	86.9%	87.0%	78.6%	83.2%	79.5%	79.4%	85.6%	76.5%	73.2%	81.6%
	Not in LC/LLC	81.9%	80.9%	74.8%	77.6%	79.1%	79.4%	74.3%	76.2%	84.7%	81.5%	75.6%	78.6%
Not First-Gen (Attend)	In LC/LLC	90.7%	83.3%	83.9%	81.3%	86.1%	82.5%	78.1%	81.9%	86.2%	84.8%	72.8%	82.6%
	Not in LC/LLC	84.0%	76.7%	76.1%	78.6%	82.0%	79.2%	78.1%	75.1%	81.1%	82.5%	75.5%	78.9%

F-F Retention by First Generation (Graduate)

First-gen (graduate) students in LCs show higher retention rates fall over fall except for post-covid years. As mentioned previously, it is possible the in-person component of LLCs may have contributed significantly to these retention rates. Students who are the first in their family to graduate overall show higher retention rates overall when participating in LCs (4-percentage point difference). LC participation helps close the gap between first gen (graduate) and non first gen student retention from fall to fall.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Grand Avg.
First-Generation (Graduate)	In LC/LLC	91.5%	82.5%	85.3%	86.7%	81.0%	83.0%	78.2%	82.5%	85.6%	78.3%	72.0%	82.2%
	Not in LC/LLC	83.1%	77.9%	74.5%	76.9%	79.6%	79.8%	73.9%	75.4%	83.4%	80.1%	73.6%	77.9%
Not First-Gen (Graduate)	In LC/LLC	90.5%	81.8%	85.7%	77.1%	86.5%	82.5%	80.0%	77.3%	86.7%	85.5%	74.5%	82.1%
	Not in LC/LLC	83.9%	78.4%	77.1%	80.3%	83.1%	78.4%	81.3%	75.9%	81.0%	85.4%	78.2%	80.1%

Units Attempted in Semester

For the first row, these numbers show the average number of units **ATTEMPTED** by students in their respective cohorts in their first semester at CSUCI. The second number is the amount of students within each category. Overall, students in LCs tend to start with a higher unit load in their first semester but not by a large margin (0.5 unit difference).

			Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Totals
In LC/LLC	Avg. Semester Units Attempted		10.1	12.3	11.8	12.1	12.0	11.1	11.6	13.7	14.2	14.0	14.2	12.5
	Student Headcount		78	99	119	175	272	310	245	244	184	177	137	2,040
Not in LC/LLC	Avg. Semester Units Attempted		10.7	11.3	11.1	11.2	11.0	11.2	11.3	13.4	13.8	14.0	13.7	12.0
	Student Headcount		524	633	704	754	599	655	668	703	688	427	403	6,758

Unit Attempted/semester by Pell Eligibility

For Pell eligible students, those in LCs attempted more units in their first semester than their non-LC peers (0.6 unit difference). Non-Pell students also benefit from LC participation with a 0.6 unit gain in comparison to those not in LCs. The gap between Pell and non-Pell eligible students in terms of attempted units is closed for when Pell eligible students are enrolled in LCs.

			Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Totals
Pell Eligible	In LC/LLC	Avg. Semester Units Attempted	9.8	11.7	11.4	11.9	11.5	10.9	11.3	13.4	14.0	14.2	14.0	12.2
		Student Headcount	56	62	72	119	153	173	147	148	119	100	68	1,217
	Not in LC/LLC	Avg. Semester Units Attempted	9.8	10.8	10.8	10.9	10.6	10.6	10.9	13.2	13.6	14.1	13.4	11.6
		Student Headcount	205	293	345	407	324	349	348	371	362	228	190	3,422
Not Pell Eligible	In LC/LLC	Avg. Semester Units Attempted	10.8	13.3	12.6	12.5	12.6	11.4	12.2	14.1	14.5	13.8	14.4	12.9
		Student Headcount	22	37	47	56	119	137	98	96	65	77	69	823
	Not in LC/LLC	Avg. Semester Units Attempted	11.3	11.7	11.3	11.6	11.6	11.7	11.9	13.6	14.1	13.8	13.9	12.3
		Student Headcount	319	340	359	347	275	306	320	332	326	199	213	3,336

Unit Attempted/semester by URM

There still seems to exist a gap in URM where URM students will take less units than non-URM students in LCs. However, URM students in LCs tend to take more units than their non-LC URM peers, and as many units as non-URM students who are not in LCs. This shows LCs can potentially aid in eliminating an equity gap for URM to non-URM students in terms of unit load in the first semester. There is .08 attempted unit gap between URM and non-URM students enrolled in LCs, and .09 attempted unit gap between these populations who are not. Therefore there is no significant impact for URM students on units attempted as a results of participating in LCs.

			Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Totals
URM	In LC/LLC	Avg. Semester Units Attempted	9.6	11.6	11.1	11.7	11.5	10.8	11.3	13.5	14.1	14.0	14.1	12.2
		Student Headcount	53	62	82	121	170	204	181	159	133	124	101	1,390
	Not in LC/LLC	Avg. Semester Units Attempted	9.7	10.9	10.6	10.8	10.5	10.6	10.8	13.1	13.6	13.9	13.4	11.6
		Student Headcount	219	330	381	436	364	364	408	443	397	281	223	3,846
Not URM	In LC/LLC	Avg. Semester Units Attempted	11.2	13.3	13.5	12.9	12.9	11.8	12.7	14.0	14.4	14.0	14.7	13.1
		Student Headcount	25	37	37	54	102	106	64	85	51	53	36	650
	Not in LC/LLC	Avg. Semester Units Attempted	11.4	11.7	11.5	11.9	11.8	11.9	12.2	13.8	14.1	14.1	14.0	12.4
		Student Headcount	305	303	323	318	235	291	260	260	291	146	180	2,912

Unit Attempted/semester by First Generation (Attend)

On average, first-gen students (attend) in LCs have a higher unit load than non-LC first-gen (attend) students. Historically it seems that they have a unit load equal to their Non-LC Non-first-gen peers. LC participation closes the equity gap between first gen (attend) and non-first gen students, on average over the last decade, and provides a slight increase in attempted units for non-first gen students.

			Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Totals
First-Generation (Attend)	In LC/LLC	Avg. Semester Units Attempted	9.7	11.4	10.9	11.8	11.5	10.7	11.4	13.4	14.4	14.0	14.3	12.2
		Student Headcount	36	41	59	89	114	122	119	102	90	85	56	913
	Not in LC/LLC	Avg. Semester Units Attempted	9.4	10.6	10.5	10.9	10.3	10.6	10.8	13.0	13.5	14.2	13.5	11.5
		Student Headcount	133	201	228	244	237	220	234	279	249	169	128	2,322
Not First-Gen (Attend)	In LC/LLC	Avg. Semester Units Attempted	10.5	12.9	12.7	12.4	12.4	11.4	11.9	13.9	14.0	14.1	14.2	12.7
		Student Headcount	42	58	60	86	158	188	126	142	94	92	81	1,127
	Not in LC/LLC	Avg. Semester Units Attempted	11.1	11.6	11.3	11.4	11.5	11.5	11.6	13.7	14.0	13.8	13.7	12.2
		Student Headcount	391	432	476	510	362	435	434	424	439	258	275	4,436

Unit Attempted/semester by First Generation (Graduate)

Overall, students who were first to graduate in their families entered their first semester with 0.6 more units taken on average than their non-LC peers. Non-first-gen students in LCs also showed 0.6 higher average units taken than their non-LC participating peers. LC participation closes the equity gap between first gen (attend) and non-first gen students, on average over the last decade, and provides a slight increase in attempted units for non-first gen students.

			Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Totals
First-Generation (Graduate)	In LC/LLC	Avg. Semester Units Attempted	9.8	12.1	11.4	11.8	11.5	11.0	11.2	13.5	14.2	14.1	14.2	12.3
		Student Headcount	58	78	91	129	173	197	167	170	139	115	82	1,399
	Not in LC/LLC	Avg. Semester Units Attempted	10.0	11.0	10.7	11.1	10.7	10.9	10.9	13.2	13.7	14.0	13.5	11.7
		Student Headcount	262	372	399	449	389	397	410	448	421	262	229	4,038
Not First-Gen (Graduate)	In LC/LLC	Avg. Semester Units Attempted	10.9	13.0	13.4	12.8	12.8	11.3	12.6	14.0	14.0	13.9	14.3	12.9
		Student Headcount	20	21	28	46	99	113	78	74	45	62	55	641
	Not in LC/LLC	Avg. Semester Units Attempted	11.3	11.7	11.5	11.5	11.7	11.6	12.0	13.7	14.1	13.9	13.9	12.3
		Student Headcount	262	261	305	305	210	258	258	255	267	165	174	2,720

Units Completed in Semester

The first row shows the amount of units COMPLETED by students in their first semester at CSUCI. The second row is the total number of students for that given year. Overall, we see that students in LCs on average have 0.5 more units completed in their first semester than non-LC students.

			Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Totals
In LC/LLC	Avg. Semester Units Completed	9.9	11.8	11.3	11.6	11.3	10.6	11.0	12.8	13.3	12.2	12.2	11.7	
	Student Headcount	78	99	119	175	272	310	245	244	184	177	137	2,040	
Not in LC/LLC	Avg. Semester Units Completed	10.2	10.7	10.2	10.6	10.2	10.2	10.5	12.3	12.7	11.8	12.3	11.0	
	Student Headcount	524	633	704	754	599	655	668	703	688	427	403	6,758	

Units Completed in Semester by Pell Eligibility

Pell eligible students in LCs have 0.8 higher units completed in their first semester than the non-LC group. This effect is seen for certain years for LC non-Pell eligible students performing better than their non-LC non-Pell eligible peers. LC participation may benefit this population in completing their first semester units. LC participation helps close the equity gap between Pell eligible and their non-eligible counterparts in terms of units completed per semester.

			Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Totals
Pell Eligible	In LC/LLC	Avg. Semester Units Completed	9.6	10.9	11.1	11.3	10.9	10.4	10.7	12.5	13.0	11.9	11.9	11.3
		Student Headcount	56	62	72	119	153	173	147	148	119	100	68	1,217
	Not in LC/LLC	Avg. Semester Units Completed	9.2	10.1	9.7	10.2	9.7	9.7	10.1	12.0	12.2	11.1	11.9	10.5
		Student Headcount	205	293	345	407	324	349	348	371	362	228	190	3,422
Not Pell Eligible	In LC/LLC	Avg. Semester Units Completed	10.7	13.3	11.8	12.3	11.9	10.8	11.5	13.3	13.9	12.6	12.5	12.1
		Student Headcount	22	37	47	56	119	137	98	96	65	77	69	823
	Not in LC/LLC	Avg. Semester Units Completed	10.9	11.2	10.6	11.0	10.8	10.8	11.1	12.6	13.3	12.6	12.7	11.5
		Student Headcount	319	340	359	347	275	306	320	332	326	199	213	3,336

Units Completed in Semester by URM

Non-URM students across the board tend to have higher units completed than URM students. However, URM students in LCs have higher units completed than URM students not in LCs (0.6 unit completed difference). There is nearly a 2-unit gap between URM students not in LCs are non-URM students in LCs.

			Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Totals
URM	In LC/LLC	Avg. Semester Units Completed	9.4	11.1	10.6	11.2	10.6	10.3	10.8	12.7	13.1	11.7	11.9	11.3
		Student Headcount	53	62	82	121	170	204	181	159	133	124	101	1,390
	Not in LC/LLC	Avg. Semester Units Completed	9.3	10.3	9.7	10.1	9.7	9.6	10.0	12.0	12.4	11.4	11.7	10.6
		Student Headcount	219	330	381	436	364	364	408	443	397	281	223	3,846
Not URM	In LC/LLC	Avg. Semester Units Completed	11.0	12.8	12.9	12.6	12.5	11.2	11.6	13.1	13.8	13.4	13.1	12.5
		Student Headcount	25	37	37	54	102	106	64	85	51	53	36	650
	Not in LC/LLC	Avg. Semester Units Completed	10.9	11.1	10.7	11.2	11.1	11.0	11.5	12.7	13.1	12.5	13.1	11.6
		Student Headcount	305	303	323	318	235	291	260	260	291	146	180	2,912

Units Completed in Semester by First Generation (Attend)

First-gen (attend) students have higher average units completed when in LCs than those not in LCs. However there still exists a gap between LC participating First-gen students and non-first-gen students. While LCs seem to help, the gap in unit completion it still exists in some years. LC participation helps non-first gen students in comparison to their no-LC counterparts by increasing units completed by 0.7.

			Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Totals
First-Generation (Attend)	In LC/LLC	Avg. Semester Units Completed	9.4	10.8	10.3	11.2	10.7	10.1	10.8	12.5	13.3	11.3	12.1	11.2
		Student Headcount	36	41	59	89	114	122	119	102	90	85	56	913
	Not in LC/LLC	Avg. Semester Units Completed	8.8	10.1	9.7	10.4	9.5	9.6	9.8	11.8	12.1	11.1	11.8	10.5
		Student Headcount	133	201	228	244	237	220	234	279	249	169	128	2,322
Not First-Gen (Attend)	In LC/LLC	Avg. Semester Units Completed	10.4	12.4	12.4	12.0	11.7	10.9	11.2	13.1	13.3	13.0	12.2	12.0
		Student Headcount	42	58	60	86	158	188	126	142	94	92	81	1,127
	Not in LC/LLC	Avg. Semester Units Completed	10.7	10.9	10.4	10.7	10.7	10.5	10.9	12.6	13.0	12.3	12.5	11.3
		Student Headcount	391	432	476	510	362	435	434	424	439	258	275	4,436

Units Completed in Semester by First Generation (Graduate)

The previous effect of LCs helping narrow the equity gap is also true with first-gen students who were first to graduate in their families (LC First-gen students had 0.8 more units completed on average). Non-first-gen students also seemed to benefit from LC participation in terms of average units completed compared to non-LC participating students.

			Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Totals
First-Generation (Graduate)	In LC/LLC	Avg. Semester Units Completed	9.6	11.5	10.8	11.2	10.8	10.6	10.6	12.7	13.2	11.7	12.0	11.4
		Student Headcount	58	78	91	129	173	197	167	170	139	115	82	1,399
	Not in LC/LLC	Avg. Semester Units Completed	9.5	10.3	9.8	10.4	9.8	9.9	10.0	11.9	12.4	11.2	11.9	10.6
		Student Headcount	262	372	399	449	389	397	410	448	421	262	229	4,038
Not First-Gen (Graduate)	In LC/LLC	Avg. Semester Units Completed	10.7	12.9	13.1	12.7	12.1	10.6	11.9	13.2	13.6	13.1	12.4	12.2
		Student Headcount	20	21	28	46	99	113	78	74	45	62	55	641
	Not in LC/LLC	Avg. Semester Units Completed	11.0	11.3	10.7	10.8	11.0	10.7	11.4	13.0	13.2	12.7	12.8	11.6
		Student Headcount	262	261	305	305	210	258	258	255	267	165	174	2,720

University GPA from First Semester

This next section explores average GPA for students in their first semester. As we can see below, students in LCs tend to have a higher GPA in their first semester than non-LC students. It is possible the structured programming could support students' performance while in the program. This effect is true across all years recorded aside from 2021.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Totals
In LC/LLC	Avg. Term GPA	3.07	3.03	2.86	2.98	2.80	2.82	2.88	2.89	2.82	2.98	2.62	2.87
	Student Headcount	78	99	119	175	272	310	245	244	184	177	137	2,040
Not in LC/LLC	Avg. Term GPA	2.79	2.67	2.60	2.70	2.62	2.69	2.66	2.71	2.69	2.84	2.73	2.69
	Student Headcount	524	633	704	754	599	655	668	703	688	427	403	6,758

University GPA from First Semester by Pell Eligible

All LC students, regardless of Pell eligibility, historically seem to perform slightly better than students who are not involved in LCs. Pell eligible student GPAs from the first semester when enrolled in LCs are slightly higher than non-Pell, non-LCs students. A 0.10 GPA gap exists for students in LCs with non-Pell students first semester GPAs being 2.93 and Pell student GPA being 2.83 from 2011 to 2021.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Totals	
Pell Eligible	In LC/LLC	Avg. Term GPA	3.06	2.85	2.90	2.96	2.76	2.82	2.85	2.83	2.77	2.87	2.56	2.83
		Student Headcount	56	62	72	119	153	173	147	148	119	100	68	1,217
	Not in LC/LLC	Avg. Term GPA	2.65	2.62	2.47	2.64	2.52	2.59	2.58	2.61	2.56	2.71	2.59	2.59
		Student Headcount	205	293	345	407	324	349	348	371	362	228	190	3,422
Not Pell Eligible	In LC/LLC	Avg. Term GPA	3.11	3.31	2.79	3.05	2.84	2.83	2.93	2.98	2.92	3.12	2.69	2.93
		Student Headcount	22	37	47	56	119	137	98	96	65	77	69	823
	Not in LC/LLC	Avg. Term GPA	2.88	2.72	2.72	2.76	2.73	2.80	2.74	2.84	2.85	2.99	2.85	2.80
		Student Headcount	319	340	359	347	275	306	320	332	326	199	213	3,336

University GPA from First Semester by URM

URM students in LCs seem to benefit from LCs in their first semester in terms of their GPA; there is a 0.21 GPA gap. It is unknown as of now whether these effects persist into their later years. Non-URM students seem to benefit similarly from LCs and outperform their non-URM peers who did not attend LCs; there is a 0.18 GPA gap. Again, the exception to this is for the most recent year potentially due to several outliers. Finally, there remains a 0.16 GPA gap between URM and non-URM LC students such that an equity gap remains.

			Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Totals
URM	In LC/LLC	Avg. Term GPA	3.01	3.00	2.77	2.95	2.67	2.77	2.91	2.87	2.79	2.85	2.56	2.82
		Student Headcount	53	62	82	121	170	204	181	159	133	124	101	1,390
	Not in LC/LLC	Avg. Term GPA	2.74	2.65	2.46	2.65	2.56	2.53	2.54	2.67	2.61	2.77	2.58	2.61
		Student Headcount	219	330	381	436	364	364	408	443	397	281	223	3,846
Not URM	In LC/LLC	Avg. Term GPA	3.20	3.07	3.04	3.06	3.00	2.93	2.81	2.94	2.90	3.27	2.80	2.98
		Student Headcount	25	37	37	54	102	106	64	85	51	53	36	650
	Not in LC/LLC	Avg. Term GPA	2.82	2.70	2.77	2.76	2.71	2.88	2.84	2.79	2.80	2.97	2.90	2.80
		Student Headcount	305	303	323	318	235	291	260	260	291	146	180	2,912

University GPA from First Semester by First Generation (Attend)

Again, for all previous semesters students in LCs seem to benefit in their GPA from their LC participation. There is a 0.22 GPA gap between first gen (attend) students based on participation in LCs. There is a 0.18 GPA gap between non first gen (attend) students based on LC participation. Finally, there is a 0.11 GPA gap between LC participants by first gen status such that an equity gap remains, although is narrow.

			Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Totals
First-Generation (Attend)	In LC/LLC	Avg. Term GPA	3.05	2.94	2.71	2.96	2.75	2.77	2.92	2.87	2.77	2.74	2.53	2.81
		Student Headcount	36	41	59	89	114	122	119	102	90	85	56	913
	Not in LC/LLC	Avg. Term GPA	2.60	2.69	2.51	2.65	2.54	2.57	2.52	2.61	2.56	2.66	2.64	2.59
		Student Headcount	133	201	228	244	237	220	234	279	249	169	128	2,322
Not First-Gen (Attend)	In LC/LLC	Avg. Term GPA	3.10	3.08	3.01	3.01	2.83	2.86	2.85	2.91	2.88	3.20	2.68	2.92
		Student Headcount	42	58	60	86	158	188	126	142	94	92	81	1,127
	Not in LC/LLC	Avg. Term GPA	2.85	2.67	2.64	2.72	2.67	2.74	2.73	2.78	2.77	2.96	2.77	2.74
		Student Headcount	391	432	476	510	362	435	434	424	439	258	275	4,436

First-gen (graduate) students in LC's have a slightly higher first semester GPA than their non-LC participating counterparts (0.22 average GPA difference). This effect is also seen for non-first-gen (graduate) students (0.15 difference). Non-first-gen (graduate) students seem to perform the best however if they participate in an LC.

			Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Totals
First-Generation (Graduate)	In LC/LLC	Avg. Term GPA	3.03	2.96	2.81	2.92	2.75	2.85	2.88	2.90	2.77	2.84	2.52	2.84
		Student Headcount	58	78	91	129	173	197	167	170	139	115	82	1,399
	Not in LC/LLC	Avg. Term GPA	2.74	2.65	2.53	2.64	2.55	2.63	2.56	2.62	2.58	2.75	2.61	2.62
		Student Headcount	262	372	399	449	389	397	410	448	421	262	229	4,038
Not First-Gen (Graduate)	In LC/LLC	Avg. Term GPA	3.20	3.27	3.01	3.16	2.87	2.79	2.89	2.88	3.00	3.23	2.78	2.95
		Student Headcount	20	21	28	46	99	113	78	74	45	62	55	641
	Not in LC/LLC	Avg. Term GPA	2.83	2.71	2.69	2.77	2.75	2.77	2.81	2.88	2.87	2.98	2.88	2.80
		Student Headcount	262	261	305	305	210	258	258	255	267	165	174	2,720

Time to Completion (4-year Graduation Rate)

Breakdown for First-time Full-time Freshmen who graduated within a 4-year time frame with comparison group. Percentages were calculated as percent of the total cohort for that corresponding year. Ex. 23.1% of the Fall 2011 cohort graduated in 4 years.

Students in LCs have an equal 4-year graduate rate to students not in LCs across the average of all years.

	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Grand Avg.
In LC/LLC	23.1%	20.2%	23.5%	25.1%	21.7%	28.4%	25.3%	30.7%	25.6%
Not in LC/LLC	26.0%	24.3%	21.3%	20.7%	24.2%	31.0%	29.2%	29.0%	25.6%

4-year Graduation Rate by Pell Eligibility

Across all years Pell eligible students in LCs graduated at a near similar rate to their non-LC peers. Similarly, non-Pell eligible students also showed minimal increase to their 4-year grad rate when participating in an LC. The 4-year graduation rate equity gap for pell eligible students is not impacted by LC participation.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Grand Avg.
Pell Eligible	In LC/LLC	19.6%	14.5%	20.8%	21.8%	15.0%	24.9%	25.9%	29.1%	22.4%
	Not in LC/LLC	19.0%	21.2%	17.1%	16.7%	21.0%	26.1%	27.0%	27.0%	22.0%
Not Pell Eligible	In LC/LLC	31.8%	29.7%	27.7%	32.1%	30.3%	32.8%	24.5%	33.3%	30.4%
	Not in LC/LLC	30.4%	27.1%	25.3%	25.4%	28.0%	36.6%	31.6%	31.3%	29.3%

4-year Graduation Rate by URM Status

For both URM and non-URM groups participation in LCs had very little impact on improving the 4-year grad rate when averaged for all years. The data show that there are several exceptions to this general trend in Fall 2013 (6.7 pp increase), Fall 2015 (4.3 pp increase), Fall 2017 (4.9 pp increase) and Fall 2018 (4.6 pp increase). The 4-year graduate rate equity gap remains for URM in who participated in LCs, with exceptions in Fall 2013 and Fall 2018.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Grand Avg.
URM	In LC/LLC	17.0%	19.4%	25.6%	22.3%	18.2%	24.0%	23.8%	33.3%	23.7%
	Not in LC/LLC	19.6%	20.0%	18.9%	19.7%	22.5%	26.1%	28.7%	28.7%	23.4%
Not URM	In LC/LLC	36.0%	21.6%	18.9%	31.5%	27.5%	36.8%	29.7%	25.9%	29.2%
	Not in LC/LLC	30.5%	29.0%	24.1%	22.0%	26.8%	37.1%	30.0%	29.6%	28.5%

4-year Graduation Rate by First Generation (Attend)

First-gen (Attend) students benefited inconsistently from LC participation in terms of their 4-year grad rate. Overall, the difference in graduation rate was less than a percent for both first-gen (attend) and non-first-gen (attend) students when looking at LC participation.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Grand Avg.
First-Generation (Attend)	In LC/LLC	19.4%	17.1%	25.4%	20.2%	21.1%	23.8%	27.7%	32.4%	24.3%
	Not in LC/LLC	16.5%	22.4%	19.7%	16.4%	21.1%	26.4%	29.5%	31.2%	23.4%
Not First-Gen (Attend)	In LC/LLC	26.2%	22.4%	21.7%	30.2%	22.2%	31.4%	23.0%	29.6%	26.5%
	Not in LC/LLC	29.2%	25.2%	22.1%	22.7%	26.2%	33.3%	29.0%	27.6%	26.8%

4-year Graduation Rate by First Generation (Graduate)

LCs for Fall 2018 seem to have helped narrow the first-generation equity gap seen in graduation rates. However, this is not true for all years as can be seen below. Non-first-gen (graduate) students still seem to be ahead of first-gen (graduate) students in their grad rate regardless of LC participation status. Equity gap in 4-year graduation rate remains in place for first gen students.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Grand Avg.
First-Generation (Graduate)	In LC/LLC	20.7%	17.9%	23.1%	21.7%	19.7%	25.9%	25.1%	29.4%	23.7%
	Not in LC/LLC	19.1%	22.3%	20.1%	18.3%	22.9%	29.7%	26.8%	29.2%	23.8%
Not First-Gen (Graduate)	In LC/LLC	30.0%	28.6%	25.0%	34.8%	25.3%	32.7%	25.6%	33.8%	29.6%
	Not in LC/LLC	32.8%	27.2%	23.0%	24.3%	26.7%	32.9%	32.9%	28.6%	28.4%

Time to Completion (6-year Graduation Rate)

Breakdown for First-time Full-time Freshmen who graduated within a 6-year period with comparison group. LC participation seems to impact 6-year graduation rates across the board for most years by a substantial margin (4 percentage point difference).

	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Grand Avg.
In LC/LLC	57.7%	57.6%	58.8%	65.7%	59.2%	57.7%	59.5%
Not in LC/LLC	59.7%	54.3%	53.7%	53.2%	57.9%	56.3%	55.6%

6-year Graduation Rate by Pell Eligibility

While breaking out 6-year grad rate by Pell does show benefits for LC participating Pell students, non-Pell eligible students seem to benefit the most excelling past their Non-LC Non-Pell peers by several percentage points over several years. Students in LCs who were Pell eligible did have a near 4p.p. higher grad rate than those who did not participate in LCs. Non-Pell eligible students graduated at an almost 6p.p. higher rate if they participated in an LC.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Grand Avg.
Pell Eligible	In LC/LLC	55.4%	53.2%	59.7%	63.9%	54.9%	53.2%	56.5%
	Not in LC/LLC	58.0%	51.2%	50.7%	50.1%	54.9%	53.6%	52.7%
Not Pell Eligible	In LC/LLC	63.6%	64.9%	57.4%	69.6%	64.7%	63.5%	64.1%
	Not in LC/LLC	60.8%	57.1%	56.5%	56.8%	61.5%	59.5%	58.5%

6-year Graduation Rate by URM Status

Similar to non-Pell eligible students, non-URM students also seem to benefit substantially from LC participation in terms of their 6-year grad rate. 6-year grad rate for URM students exceeded past the non-LC participating group of URM students for 5 of the 6 years. However, an equity gap in 6-year graduation rate remains for URM students despite LC participation.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Grand Avg.
URM	In LC/LLC	60.4%	58.1%	56.1%	64.5%	51.8%	53.9%	56.4%
	Not in LC/LLC	56.2%	52.4%	48.8%	51.6%	56.6%	51.9%	52.6%
Not URM	In LC/LLC	52.0%	56.8%	64.9%	68.5%	71.6%	65.1%	65.7%
	Not in LC/LLC	62.3%	56.4%	59.4%	55.3%	60.0%	61.9%	59.2%

6-year Graduation Rate by First Generation (Attend)

First-gen (attend) students in LCs on average graduate at a 5p.p. higher rate within 6 years than those who did not participate in LCs. LCs across time have narrowed the equity gap between first-gen (attend) and non-first-gen (attend) students. The 6-year graduation rate equity gap is narrowed by LC participation for first gen (attend) students.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Grand Avg.
First-Generation (Attend)	In LC/LLC	63.9%	51.2%	54.2%	69.7%	56.1%	56.6%	58.8%
	Not in LC/LLC	51.9%	57.7%	50.9%	48.8%	59.5%	51.8%	53.4%
Not First-Gen (Attend)	In LC/LLC	52.4%	62.1%	63.3%	61.6%	61.4%	58.5%	60.1%
	Not in LC/LLC	62.4%	52.8%	55.0%	55.3%	56.9%	58.6%	56.7%

6-year Graduation Rate by First Generation (Graduate)

Data trends when looking at first-gen (Graduate) students show LC participation increases 6-year grad rate by about 4 percentage points. However, the 1-2p.p. gap b/t first-gen in LC and non-first-gen not in LC students widens when parsing out the data by first-gen (Graduate) status. The equity gap in 6-year graduation rate for first gen (graduate) students remains despite LC participation.

		Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Grand Avg.
First-Generation (Graduate)	In LC/LLC	60.3%	53.8%	54.9%	64.3%	53.8%	56.9%	57.2%
	Not in LC/LLC	54.6%	53.8%	51.1%	49.7%	57.1%	55.7%	53.5%
Not First-Gen (Graduate)	In LC/LLC	50.0%	71.4%	71.4%	69.6%	68.7%	59.3%	64.8%
	Not in LC/LLC	64.9%	55.2%	57.0%	58.4%	59.5%	57.4%	58.7%

Conclusion:

In summation LCs show promising results in impacting student's GPA, unit's taken, and units completed in their first semester. Fall-to-Fall retention also seems to be positively influenced by LC participation for most years. The most recent, post-COVID year appears to be an exception. From the participation breakdown and the breakdown of these variables by different groups, LCs over time have been shown to support students who are more likely to be Pell eligible, first-gen, and URM. In several cases equity gaps are narrowed, and in some cases with large success such as with 6-year grad rates. LCs and LLCs do not seem to effect 4-year grad rates regardless of breakdown or at most are inconsistent. More research should be conducted to examine why grad rates are only affected in a 6-year spectrum and not a 4-year spectrum.

For more information on this report or questions about the organization / data collected please contact: nick.visnjevic@csuci.edu.