Las Positas College

Discipline Program Review Data Packet

Fall 2018 to Spring 2023
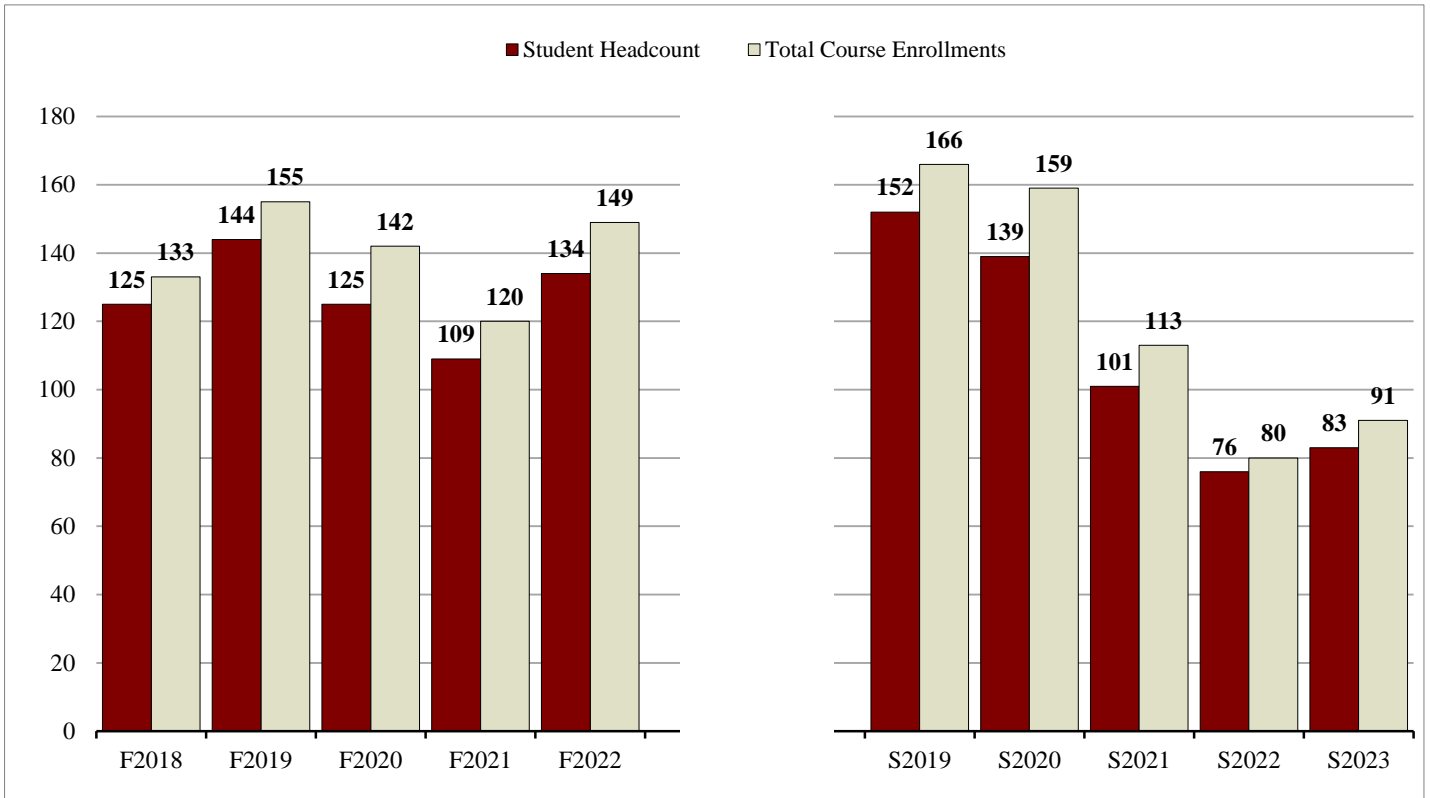
<u>Discipline</u>:

Engineering (ENGR)

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Headcount & Enrollment

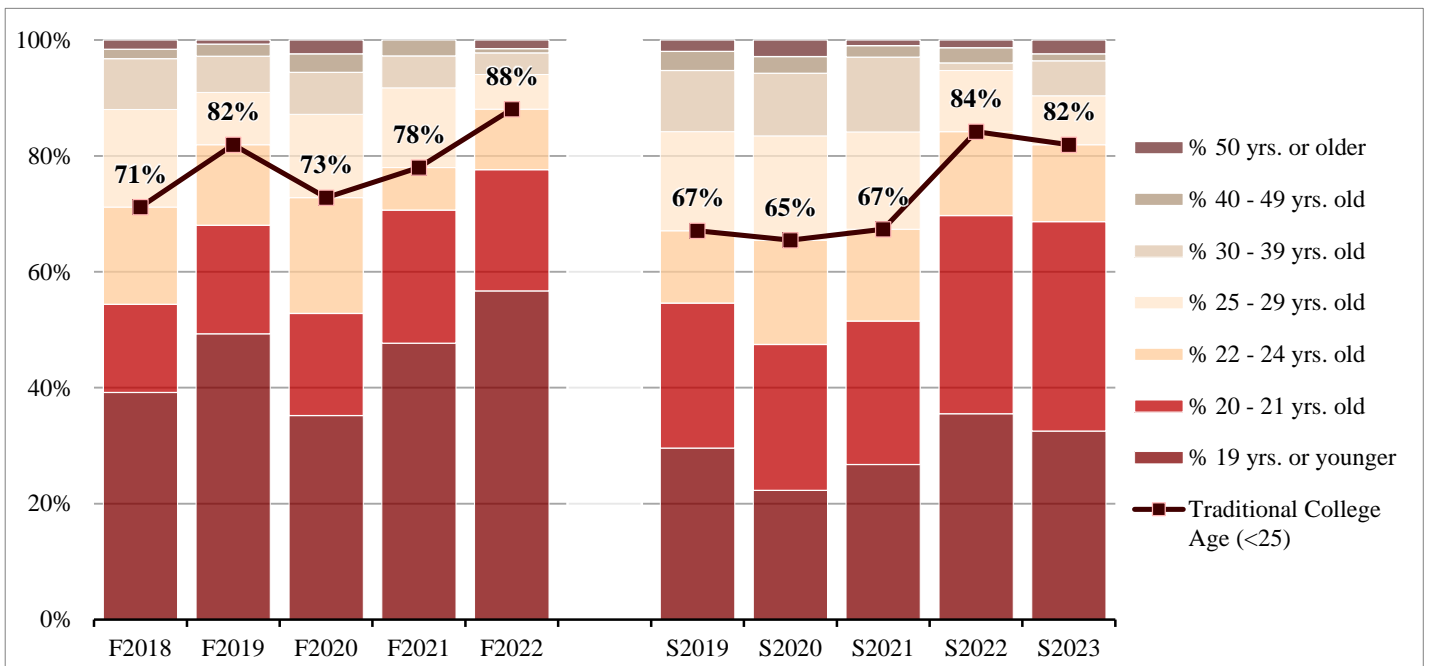| Engineering (ENGR)										
	Fall Terms					**Spring Terms**				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Student Headcount	125	144	125	109	134	152	139	101	76	83
Total Course Enrollments	133	155	142	120	149	166	159	113	80	91

Definitions:

Student Headcount is the unduplicated count of students enrolled in all courses within the discipline.

Total Course Enrollments is the sum of all course enrollments (filled seats) within the discipline.

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Student Demographics: Gender & Age

	Engineering (ENGR)									
	Fall Terms					**Spring Terms**				
	F2018	**F2019**	**F2020**	**F2021**	**F2022**	**S2019**	**S2020**	**S2021**	**S2022**	**S2023**
Female	19	25	24	20	20	25	26	19	9	11
Male	105	114	98	84	110	124	109	81	64	72
19 yrs. or younger	49	71	44	52	76	45	31	27	27	27
20-21 yrs. old	19	27	22	25	28	38	35	25	26	30
22-24 yrs. old	21	20	25	8	14	19	25	16	11	11
25-29 yrs. old	21	13	18	15	8	26	25	17	8	7
30-39 yrs. old	11	9	9	6	5	16	15	13	1	5
40-49 yrs. old	2	3	4	3	1	5	4	2	2	1
50 yrs. or older	2	1	3	0	2	3	4	1	1	2
% Female	15%	18%	20%	19%	15%	17%	19%	19%	12%	13%
% Male	85%	82%	80%	81%	85%	83%	81%	81%	88%	87%
% 19 yrs. or younger	39%	49%	35%	48%	57%	30%	22%	27%	36%	33%
% 20 - 21 yrs. old	15%	19%	18%	23%	21%	25%	25%	25%	34%	36%
% 22 - 24 yrs. old	17%	14%	20%	7%	10%	13%	18%	16%	14%	13%
% 25 - 29 yrs. old	17%	9%	14%	14%	6%	17%	18%	17%	11%	8%
% 30 - 39 yrs. old	9%	6%	7%	6%	4%	11%	11%	13%	1%	6%
% 40 - 49 yrs. old	2%	2%	3%	3%	1%	3%	3%	2%	3%	1%
% 50 yrs. or older	2%	1%	2%	0%	1%	2%	3%	1%	1%	2%

Student Demographic: Race-Ethnicity

Engineering (ENGR)										
	Fall Terms					**Spring Terms**				
	F2018	**F2019**	**F2020**	**F2021**	**F2022**	**S2019**	**S2020**	**S2021**	**S2022**	**S2023**
African American	6	4	6	5	2	2	6	6	1	1
Asian	20	23	19	20	25	21	23	17	12	18
Filipino	7	4	6	6	7	8	6	3	3	8
Latino	38	48	51	35	41	55	48	34	13	23
Native American	1	0	2	0	0	0	0	1	0	0
Pacific Islander	1	1	2	0	2	3	0	0	0	2
White	40	52	33	29	37	49	48	37	37	26
Multiethnic	11	8	5	11	15	12	7	2	9	2
Other/Unknown	1	4	1	3	5	2	1	1	1	3
% African American	5%	3%	5%	5%	1%	1%	4%	6%	1%	1%
% Asian	16%	16%	15%	18%	19%	14%	17%	17%	16%	22%
% Filipino	6%	3%	5%	6%	5%	5%	4%	3%	4%	10%
% Latino	30%	33%	41%	32%	31%	36%	35%	34%	17%	28%
% Native American	1%	0%	2%	0%	0%	0%	0%	1%	0%	0%
% Pacific Islander	1%	1%	2%	0%	1%	2%	0%	0%	0%	2%
% White	32%	36%	26%	27%	28%	32%	35%	37%	49%	31%
% Multiethnic	9%	6%	4%	10%	11%	8%	5%	2%	12%	2%
% Other/Unknown	1%	3%	1%	3%	4%	1%	1%	1%	1%	4%
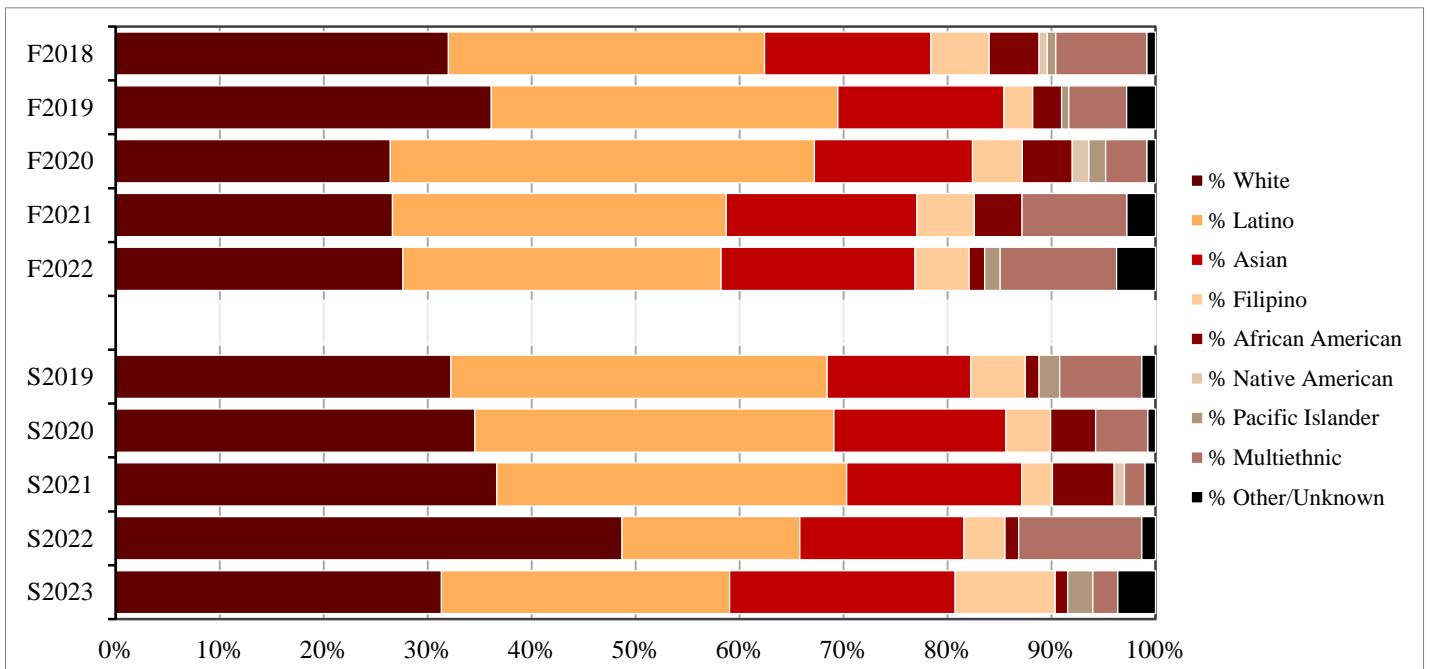
Student Enrollment Status

Engineering (ENGR)										
	Fall Terms					**Spring Terms**				
	F2018	**F2019**	**F2020**	**F2021**	**F2022**	**S2019**	**S2020**	**S2021**	**S2022**	**S2023**
First-Time Any College	30	41	24	35	45	5	4	1	1	2
First-Time Transfer	15	10	6	7	7	7	4	6	6	3
Continuing	71	79	81	53	78	132	120	84	65	71
Returning	8	8	9	9	1	2	7	4	2	6
Concurrent Enrollment	1	6	5	5	3	6	4	6	2	1
% First-Time Any College	24%	28%	19%	32%	34%	3%	3%	1%	1%	2%
% First-Time Transfer	12%	7%	5%	6%	5%	5%	3%	6%	8%	4%
% Continuing	57%	55%	65%	49%	58%	87%	86%	83%	86%	86%
% Returning	6%	6%	7%	8%	1%	1%	5%	4%	3%	7%
% Concurrent Enrollment	1%	4%	4%	5%	2%	4%	3%	6%	3%	1%
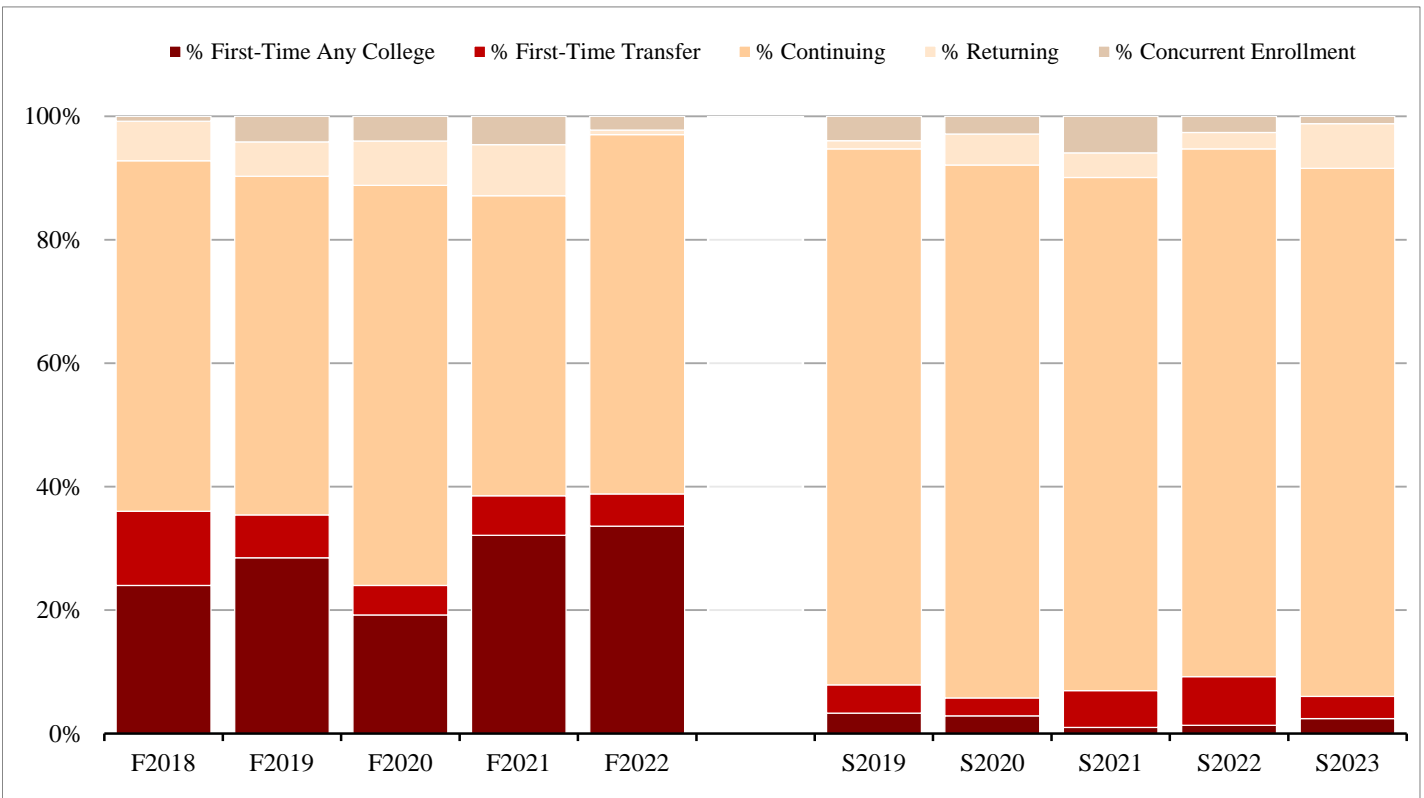
Definitions:

First-Time Any College: Students enrolled in college for the first time.

First-Time Transfer: Students transferring to LPC in the current semester from another community college or university.
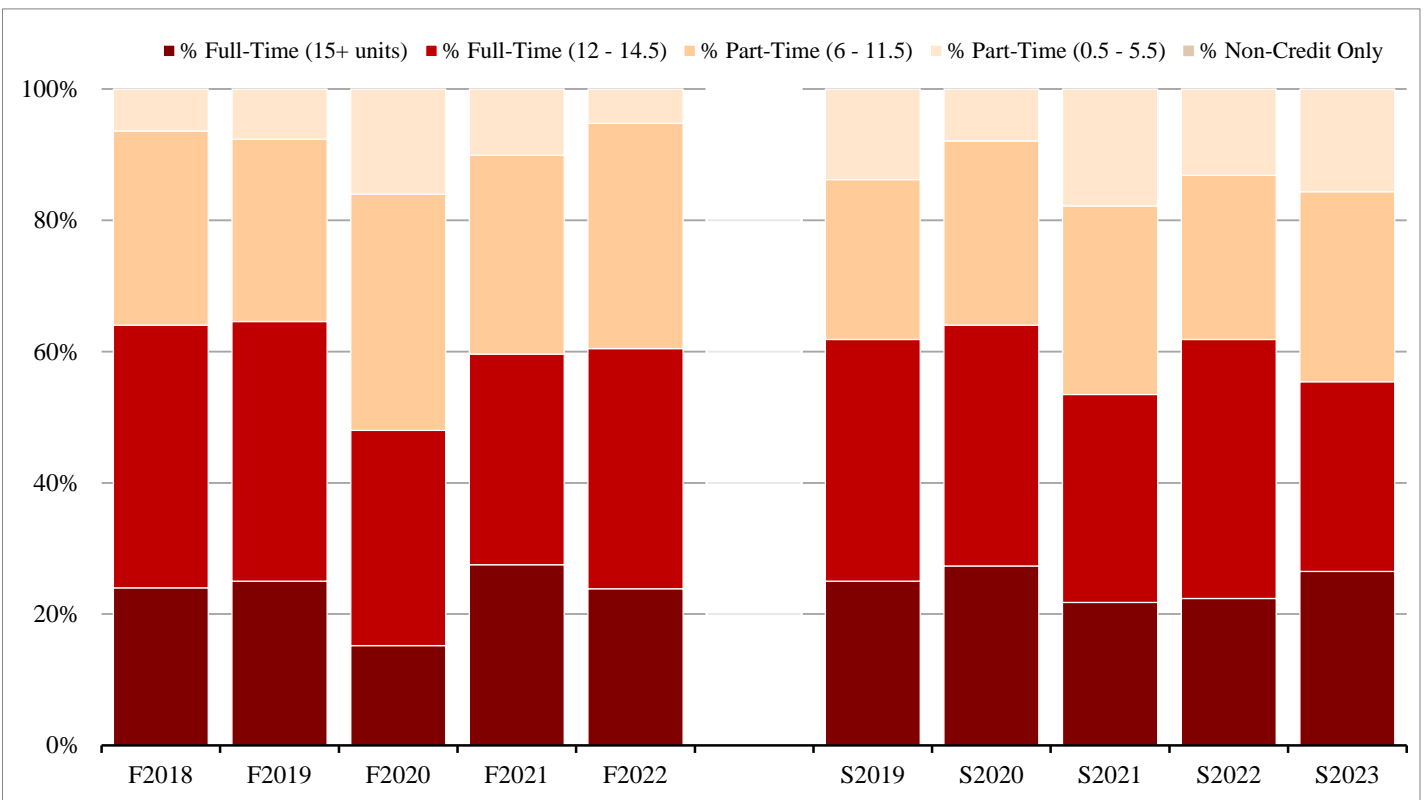
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

Returning: Students enrolled at LPC after an absence of one or more primary terms from the District.

Concurrent Enrollment: A special admit student currently enrolled in K-12.

Student Unit Load

Engineering (ENGR)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Full-Time (15+ units)	30	36	19	30	32	38	38	22	17	22
Full-Time (12 - 14.5 units)	50	57	41	35	49	56	51	32	30	24
Part-Time (6 - 11.5 units)	37	40	45	33	46	37	39	29	19	24
Part-Time (0.5 - 5.5 units)	8	11	20	11	7	21	11	18	10	13
Non-Credit Only	0	0	0	0	0	0	0	0	0	0
% Full-Time (15+ units)	24%	25%	15%	28%	24%	25%	27%	22%	22%	27%
% Full-Time (12 - 14.5)	40%	40%	33%	32%	37%	37%	37%	32%	39%	29%
% Part-Time (6 - 11.5)	30%	28%	36%	30%	34%	24%	28%	29%	25%	29%
% Part-Time (0.5 - 5.5)	6%	8%	16%	10%	5%	14%	8%	18%	13%	16%
% Non-Credit Only	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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Students Using Distance Education

| Engineering (ENGR)										
	Fall Terms					**Spring Terms**				
(Categories reflect college-wide coursework)	**F2018**	**F2019**	**F2020**	**F2021**	**F2022**	**S2019**	**S2020**	**S2021**	**S2022**	**S2023**
Face-to-Face (F2F) Only	106	132	0	13	49	132	107	7	31	42
Both F2F and DE	19	12	5	55	85	20	32	31	45	41
Distance Education (DE) Only	0	0	120	41	0	0	0	63	0	0
% Face-to-Face (F2F) Only	85%	92%	0%	12%	37%	87%	77%	7%	41%	51%
% Both F2F and DE	15%	8%	4%	50%	63%	13%	23%	31%	59%	49%
% Distance Education (DE) Only	0%	0%	96%	38%	0%	0%	0%	62%	0%	0%
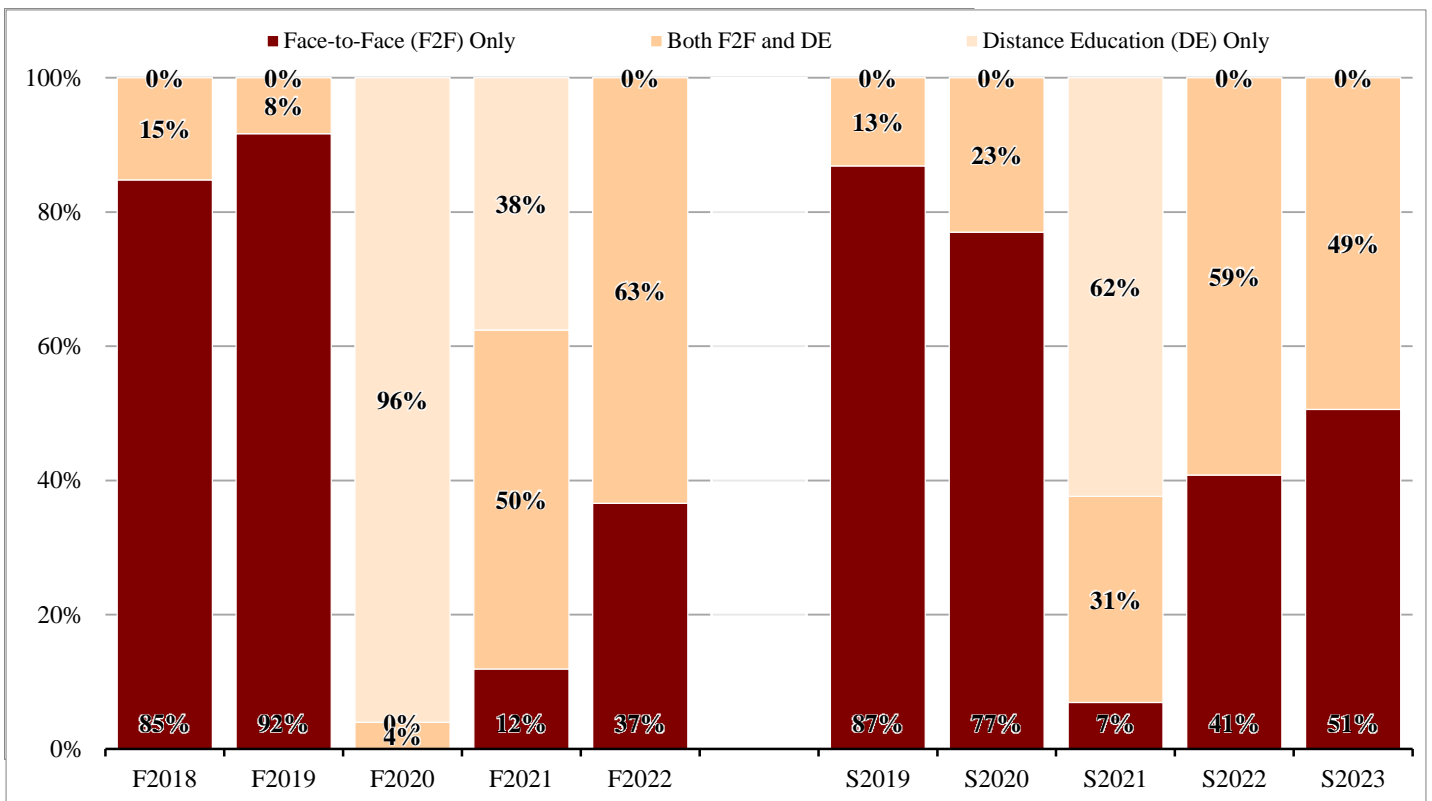
Definitions:

Distance Education (DE) includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'. In 2020-21, due to the COVID-19 pandemic, DE sections were distinguished through provisional designations.

Student Educational Goal

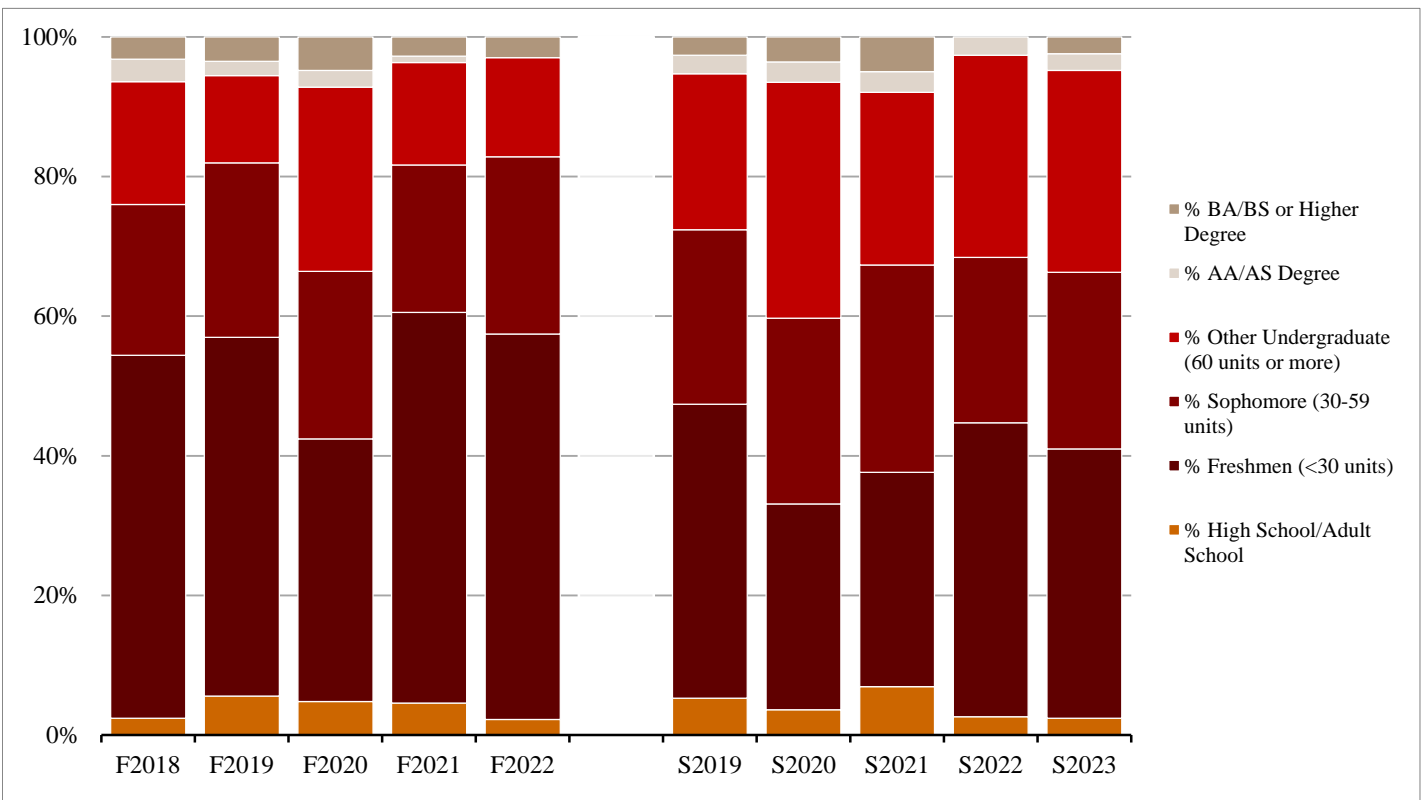| Engineering (ENGR)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Transfer (w/ or w/o AA/AS degree)	101	117	97	86	111	113	106	75	61	63
Associate Degree Only (AA/AS)	5	3	6	5	4	7	10	6	7	4
Occupational Certificate / Job Training	10	11	9	7	5	12	13	11	2	6
Improve English/Math Basic Skills	1	1	3	1	0	1	0	1	2	0
Personal Development (intellectual/cultural)	0	5	4	1	3	4	4	3	1	1
Other	0	2	0	1	1	2	2	1	1	0
Undecided	8	5	6	8	10	11	4	4	2	9
Unknown	0	0	0	0	0	2	0	0	0	0
% Transfer (w/ or w/o AA/AS degree)	81%	81%	78%	79%	83%	74%	76%	74%	80%	76%
% Associate Degree Only (AA/AS)	4%	2%	5%	5%	3%	5%	7%	6%	9%	5%
% Occupational Certificate / Job Training	8%	8%	7%	6%	4%	8%	9%	11%	3%	7%
% Improve English/Math Basic Skills	1%	1%	2%	1%	0%	1%	0%	1%	3%	0%
% Personal Dev. (intellectual/cultural)	0%	3%	3%	1%	2%	3%	3%	3%	1%	1%
% Other	0%	1%	0%	1%	1%	1%	1%	1%	1%	0%
% Undecided	6%	3%	5%	7%	7%	7%	3%	4%	3%	11%
% Unknown	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
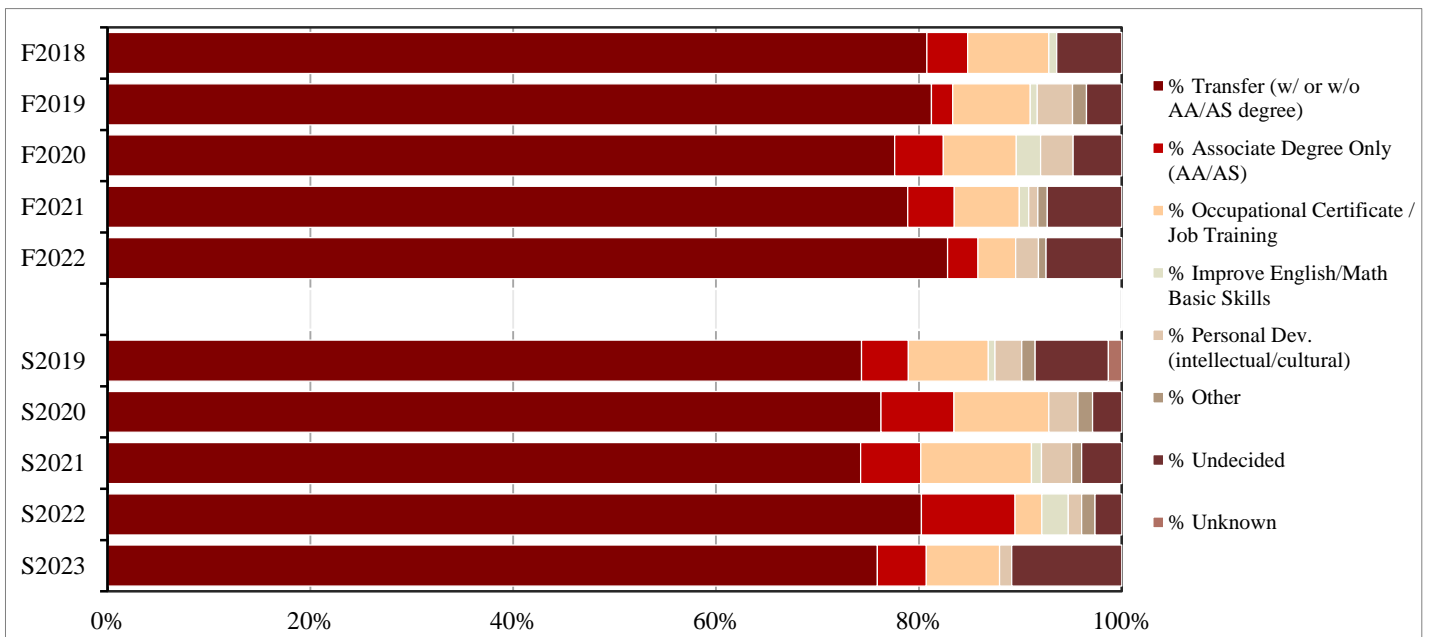
Definitions:

Transfer: Students who want to transfer to a 4-year university. Includes students enrolled in 4-year institutions completing requirements at LPC.

Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

Personal Development: Students taking courses for intellectual and/or cultural development.

Other: Students completing diploma/GED requirements or moving from non-credit to credit courses. Data from admission application.

Highest Educational Level of Students

Engineering (ENGR)										
	Fall Terms					**Spring Terms**				
	F2018	**F2019**	**F2020**	**F2021**	**F2022**	**S2019**	**S2020**	**S2021**	**S2022**	**S2023**
High School/Adult School	3	8	6	5	3	8	5	7	2	2
Freshmen (<30 units)	65	74	47	61	74	64	41	31	32	32
Sophomore (30-59 units)	27	36	30	23	34	38	37	30	18	21
Other Undergraduate (60 units or more)	22	18	33	16	19	34	47	25	22	24
AA/AS Degree	4	3	3	1	0	4	4	3	2	2
BA/BS or Higher Degree	4	5	6	3	4	4	5	5	0	2
% High School/Adult School	2%	6%	5%	5%	2%	5%	4%	7%	3%	2%
% Freshmen (<30 units)	52%	51%	38%	56%	55%	42%	29%	31%	42%	39%
% Sophomore (30-59 units)	22%	25%	24%	21%	25%	25%	27%	30%	24%	25%
% Other Undergraduate (60 units or more)	18%	13%	26%	15%	14%	22%	34%	25%	29%	29%
% AA/AS Degree	3%	2%	2%	1%	0%	3%	3%	3%	3%	2%
% BA/BS or Higher Degree	3%	3%	5%	3%	3%	3%	4%	5%	0%	2%

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Las Positas College

Student Performance: Grade Distribution

| Engineering (ENGR)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Total Course Enrollments	133	155	142	120	149	166	159	113	80	91
Course Success Rates	**68%**	**64%**	**61%**	**62%**	**71%**	**73%**	**69%**	**69%**	**76%**	**73%**
A	34%	32%	32%	23%	28%	31%	32%	41%	31%	37%
B	24%	24%	16%	19%	25%	24%	19%	18%	30%	22%
C	10%	8%	12%	18%	18%	18%	15%	10%	15%	13%
P	0%	0%	0%	1%	0%	0%	2%	1%	0%	0%
Course Non-Success Rate	**18%**	**22%**	**24%**	**16%**	**22%**	**15%**	**8%**	**14%**	**14%**	**18%**
D	5%	10%	7%	7%	5%	4%	3%	4%	0%	4%
F*	13%	12%	17%	9%	17%	11%	5%	10%	14%	13%
Withdrawals (See Note)	**14%**	**14%**	**15%**	**23%**	**7%**	**11%**	**23%**	**17%**	**10%**	**10%**
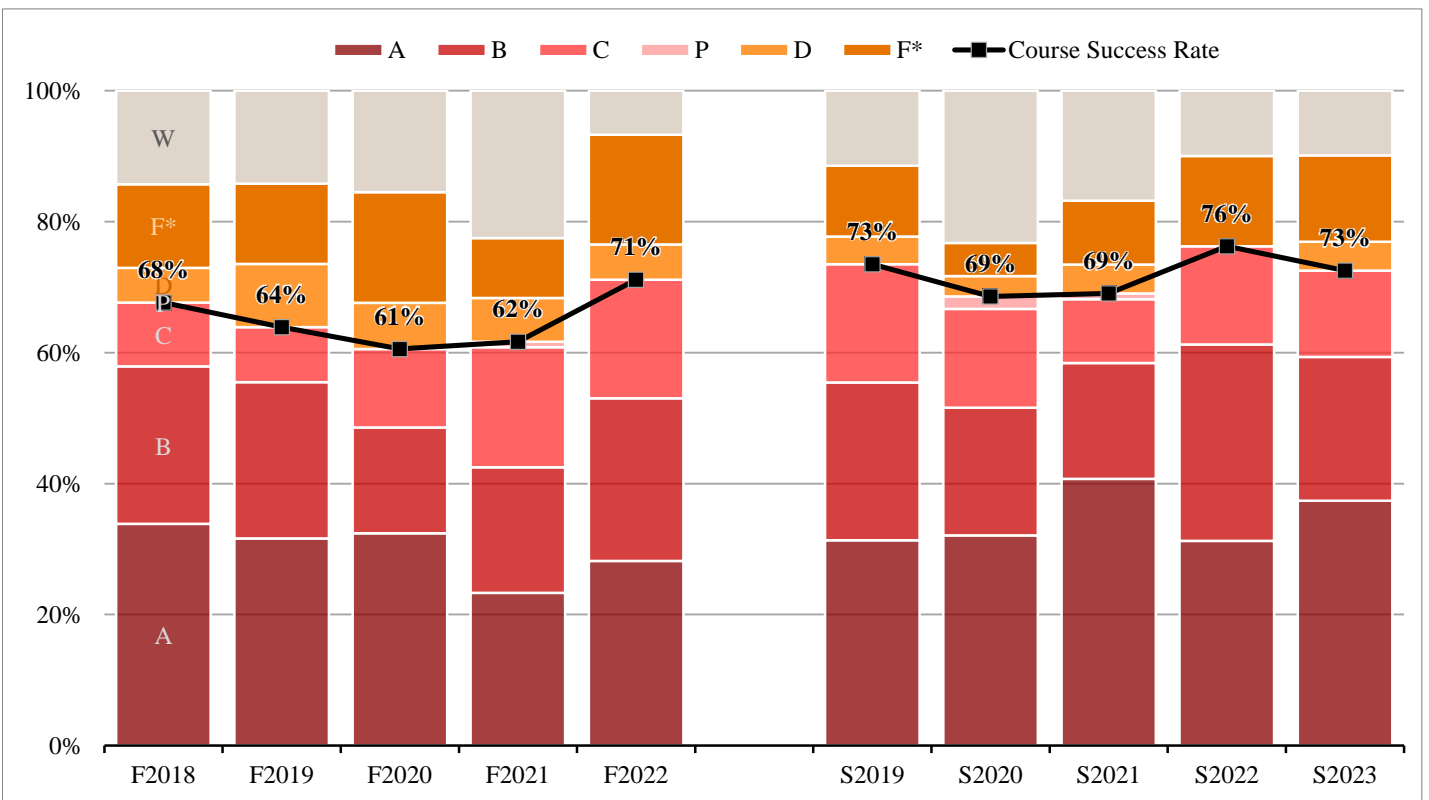
Definitions:

Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D' or F* (includes: 'F', 'NP', 'I', 'NCD', 'NCF', or 'NCNP').

Withdrawals are the share of course enrollments resulting in (1) a grade notation of 'W', 'MW', or 'EW', or, (2) a course dropped due to COVID-19.

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Student Performance: Distance Education

Engineering (ENGR)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Total Course Enrollments	133	155	142	120	149	166	159	113	80	91
Face-to-Face (F2F) Sections	133	155	0	40	149	166	159	30	80	91
Success Rates	68%	64%	—	65%	71%	73%	69%	73%	76%	73%
Non-Success Rates	18%	22%	—	15%	22%	15%	8%	3%	14%	18%
Withdrawals	14%	14%	—	20%	7%	11%	23%	23%	10%	10%
Distance Education (DE) Sections	0	0	142	80	0	0	0	83	0	0
Success Rates	—	—	61%	60%	—	—	—	67%	—	—
Non-Success Rates	—	—	24%	16%	—	—	—	18%	—	—
Withdrawals	—	—	15%	24%	—	—	—	14%	—	—
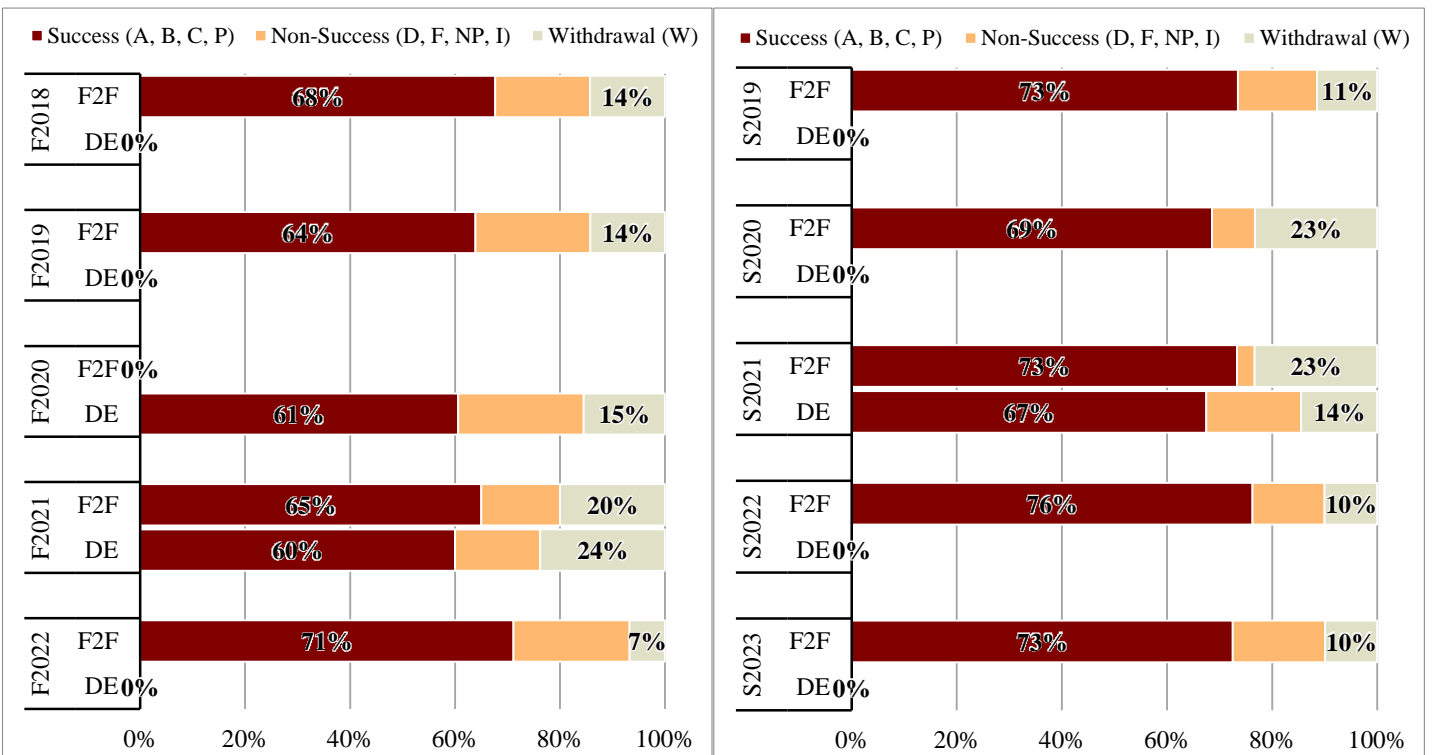
Definitions:

Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'I', 'NCD', 'NCF', or 'NCNP'.

Withdrawals are the share of course enrollments resulting in (1) a grade notation of 'W', 'MW', or 'EW', or, (2) a course dropped due to COVID-19.

Distance Education (DE) includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'. In 2020-21, due to the COVID-19 pandemic, DE sections were distinguished through provisional designations.

Enrollment Management: Part 1

Engineering (ENGR)										
	Fall Terms					**Spring Terms**				
	F2018	**F2019**	**F2020**	**F2021**	**F2022**	**S2019**	**S2020**	**S2021**	**S2022**	**S2023**
WSCH	502	588	598	482	578	717	758	498	369	407
FTES	15.5	18.8	18.4	14.9	18.5	23.0	24.5	15.3	11.9	12.8
FTEF	1.5	1.5	1.9	1.9	1.9	2.1	2.1	1.5	1.4	1.4
Productivity (WSCH/FTEF)	342.7	401.4	315.1	254.0	304.5	341.8	361.5	325.1	263.8	290.9
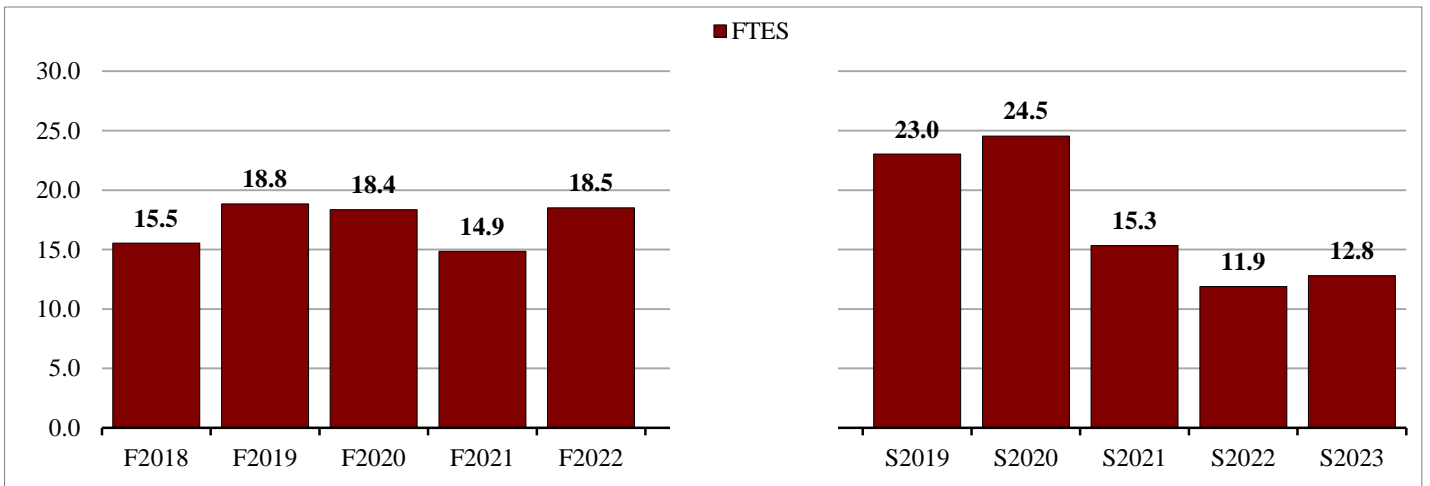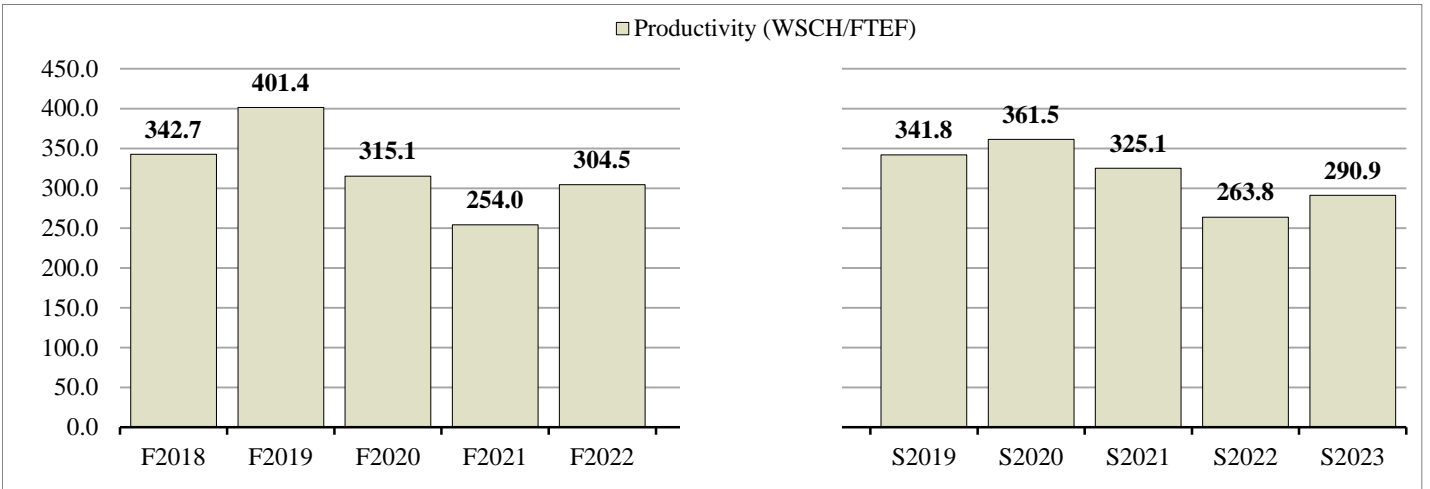
Definitions:

WSCH is the total Weekly Student Contact Hours resulting from all enrollment within the discipline.

FTES is the total Full Time Equivalent Student value resulting from all enrollment within the discipline.

FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

Productivity is the ratio of WSCH to FTEF and a standard measure of discipline efficiency.

Note: Enrollment Management data are of all courses accounted except NTUT / TUTR 200; latest data accessed on 7/25/23.

Enrollment Management: Part 2

| Engineering (ENGR)										
	Fall Terms					**Spring Terms**				
	F2018	**F2019**	**F2020**	**F2021**	**F2022**	**S2019**	**S2020**	**S2021**	**S2022**	**S2023**
FTEF from Full-Time Faculty	1.0	0.7	1.0	0.4	0.8	0.0	1.3	0.8	0.4	0.8
% FTEF from Full-Time Faculty	67%	48%	52%	22%	44%	0%	63%	50%	30%	55%
Enrollments	133	155	142	120	149	166	159	113	80	91
Capacity (seats available)	196	196	214	184	220	245	204	156	126	136
Fill Rate	68%	79%	66%	65%	68%	68%	78%	72%	63%	67%
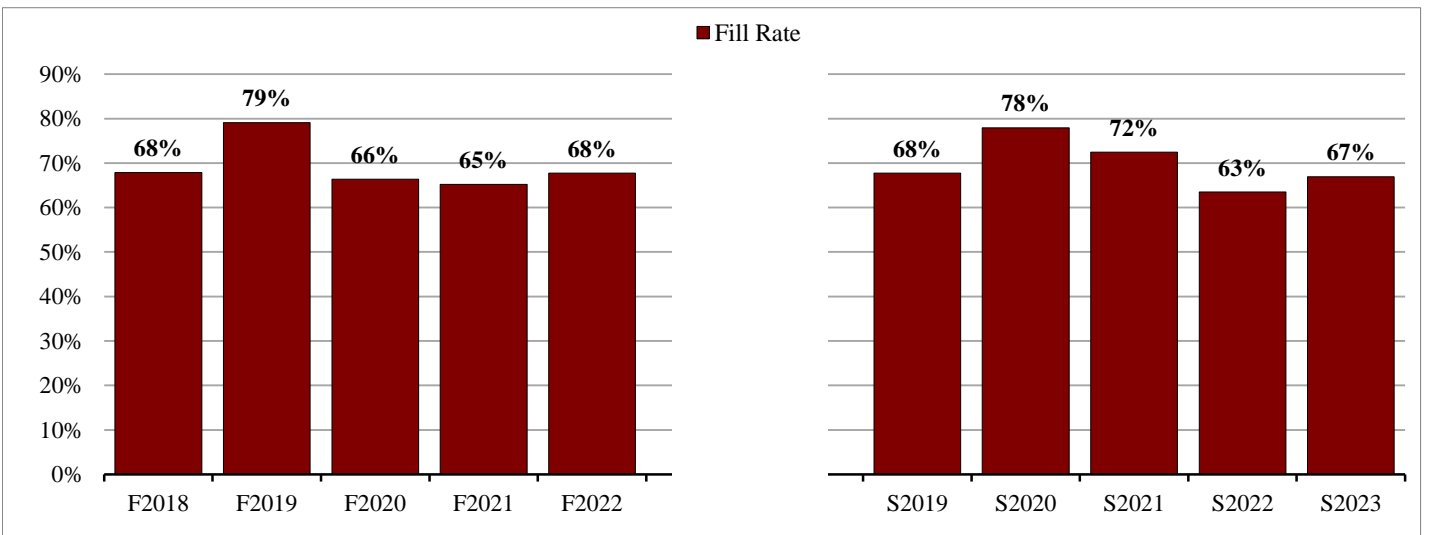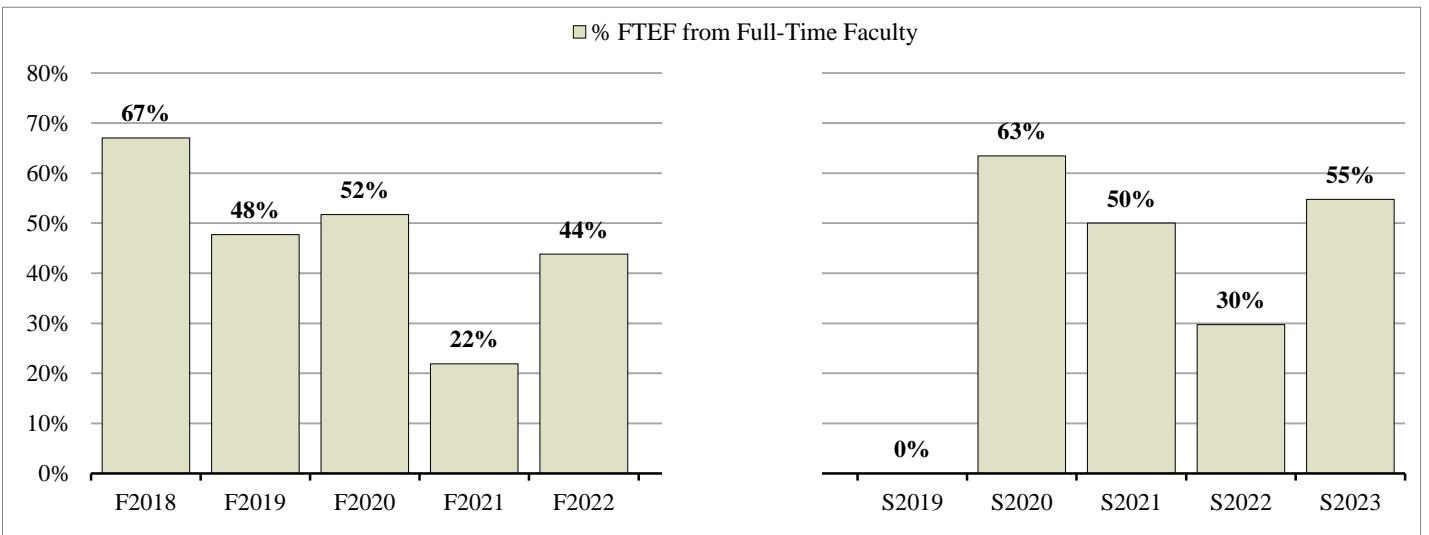
Definitions:

Fill Rate is number of enrollments over the total capacity (seats available).

% FTEF from Full-time Faculty is the FTEF generated by full-time faculty as load (i.e., excluding overload) divided by the total FTEF.

Note: Enrollment Management data are of all courses accounted except NTUT / TUTR 200; latest data accessed on 7/25/23.

Prior Experience in English & Math

(English and math status *prior* to the start of the term)	Fall 2022				Spring 2023			
	ENGR		LPC Overall		ENGR		LPC Overall	
	Num	Pct	Num	Pct	Num	Pct	Num	Pct
Transfer-level English								
Successful Completion*	59	44%	2,729	40%	52	63%	3,203	48%
Attempted *(not successful)*	5	4%	391	6%	6	7%	546	8%
No Attempt	26	19%	1,484	22%	20	24%	1,672	25%
New-to-LPC Student	44	33%	2,221	33%	5	6%	1,197	18%
Transfer-level Math								
Successful Completion*	65	49%	1,835	27%	54	65%	2,288	35%
Attempted *(not successful)*	9	7%	683	10%	8	10%	837	13%
No Attempt	16	12%	2,086	31%	16	19%	2,296	35%
New-to-LPC Student	44	33%	2,221	33%	5	6%	1,197	18%

Fall Semester

Spring Semester
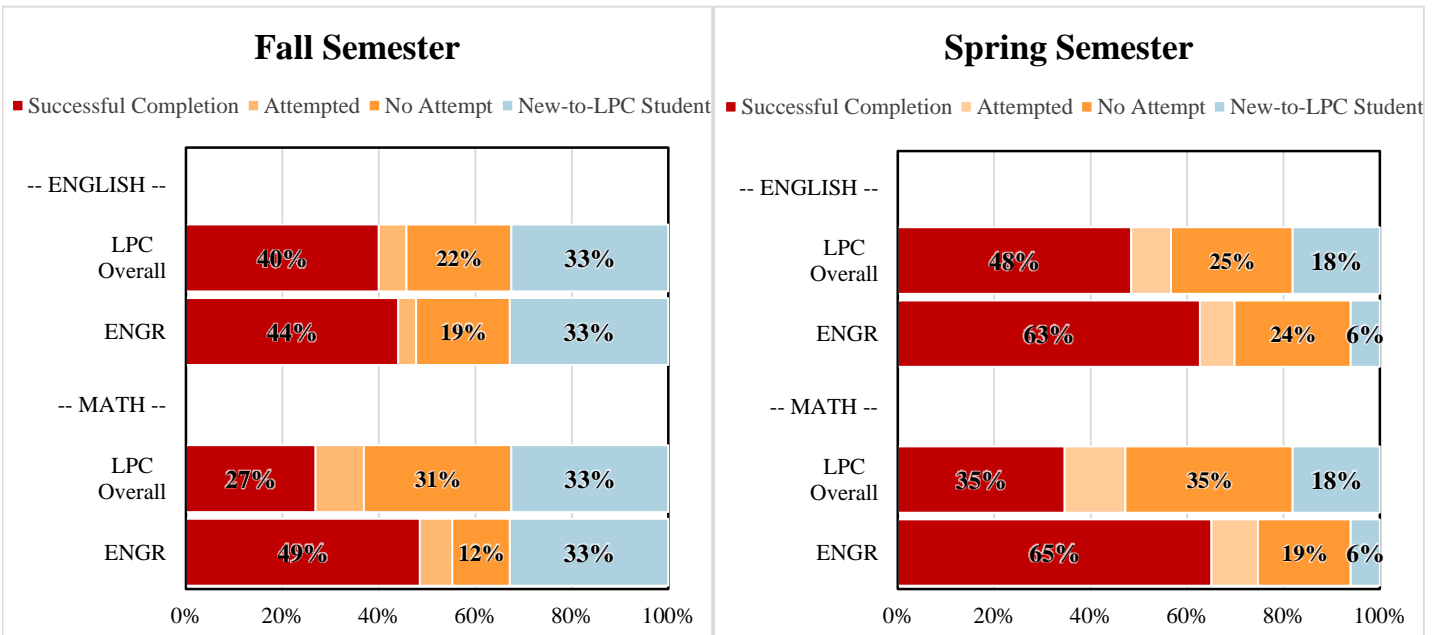
Definitions:

Transfer-Level English:

Successful Completion = earned a passing grade in ENG 1A or 1AEX, or attempted a higher transfer-level course in the sequence in prior terms.

Attempted (no successful completion) = attempted ENG 1A or 1AEX in prior terms but did not receive a passing grade.

No Prior Attempt = no prior enrollment in transfer-level English within the sequence.

New LPC Student = enrollments from students with no for credit enrollments within our district prior to the current term.

Transfer-Level Math:

Successful Completion = earned a passing grade in a transfer-level math course or attempted a higher transfer-level course in the sequence in prior terms.

Attempted (no successful completion) = attempted a entry transfer-level math course in prior terms but did not receive a passing grade.

No Prior Attempt = no prior enrollment in transfer-level math within the sequence.

New-to-LPC Student = enrollments from students with no for credit enrollments within our district prior to the current term.