Las Positas College

Discipline Program Review Data Packet

Spring 2018 to Spring 2022
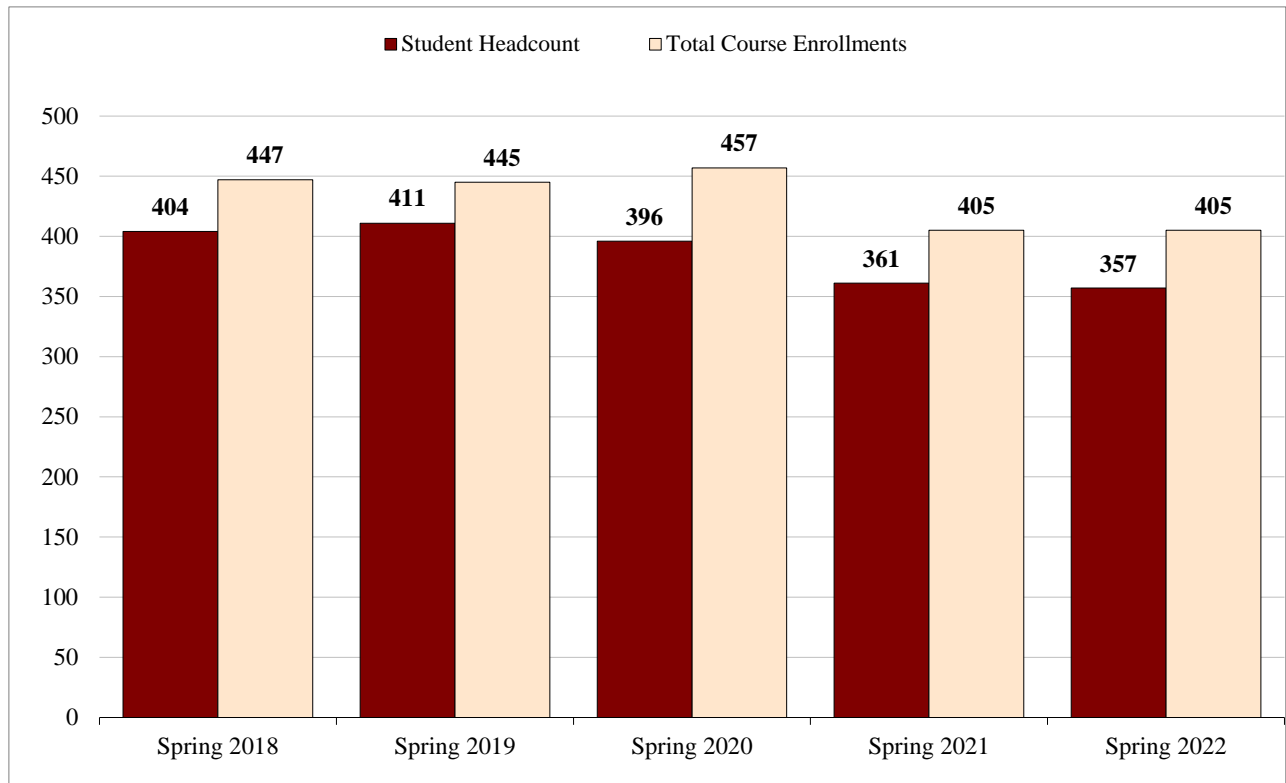
Discipline:

Computer Science (CS)

Office of Research, Planning, and Institutional Effectiveness
Las Positas College

Headcount & Enrollment

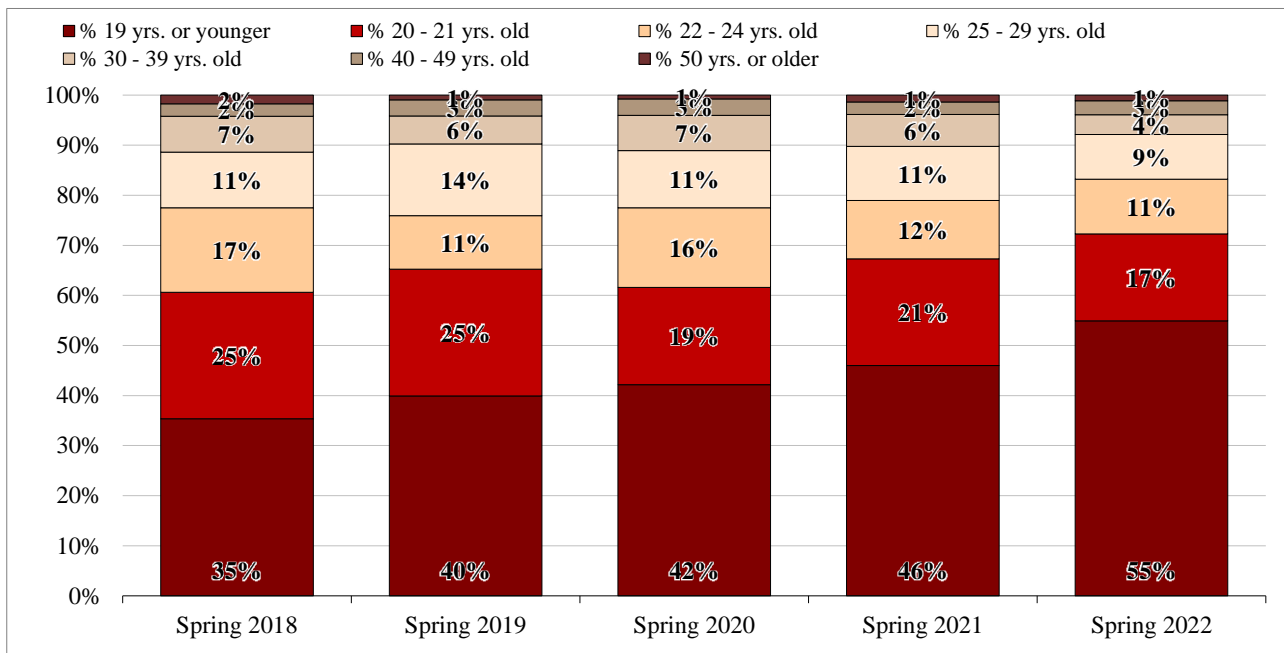| Computer Science (CS)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Student Headcount	404	411	396	361	357
Total Course Enrollments	447	445	457	405	405

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.
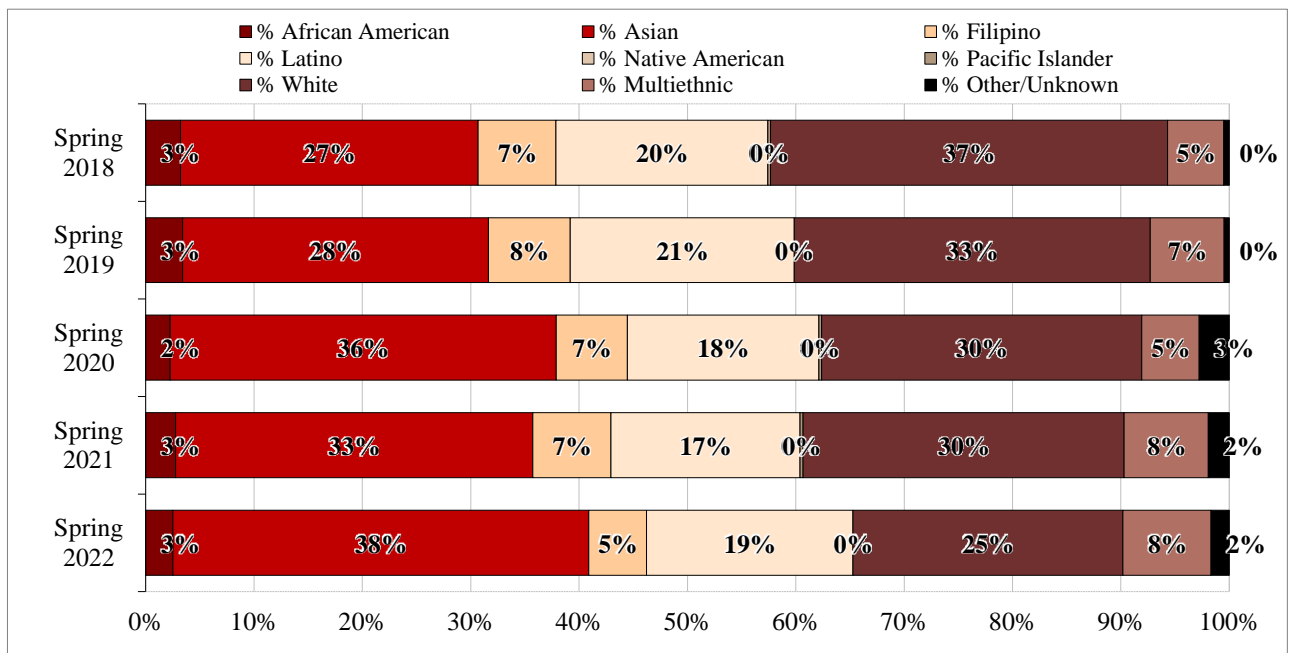
Student Demographics: Gender & Age

Computer Science (CS)					
	Term				
	Spring 2018	**Spring 2019**	**Spring 2020**	**Spring 2021**	**Spring 2022**
Female	84	88	92	82	90
Male	313	319	295	269	262
19 yrs. or younger	143	164	167	166	196
20-21 yrs. old	102	104	77	77	62
22-24 yrs. old	68	44	63	42	39
25-29 yrs. old	45	59	45	39	32
30-39 yrs. old	29	23	28	23	14
40-49 yrs. old	10	13	13	9	10
50 yrs. or older	7	4	3	5	4
% Female	21%	22%	24%	23%	26%
% Male	79%	78%	76%	77%	74%
% 19 yrs. or younger	35%	40%	42%	46%	55%
% 20 - 21 yrs. old	25%	25%	19%	21%	17%
% 22 - 24 yrs. old	17%	11%	16%	12%	11%
% 25 - 29 yrs. old	11%	14%	11%	11%	9%
% 30 - 39 yrs. old	7%	6%	7%	6%	4%
% 40 - 49 yrs. old	2%	3%	3%	2%	3%
% 50 yrs. or older	2%	1%	1%	1%	1%

Office of Research, Planning, and Institutional Effectiveness
Las Positas College

Student Demographic: Race-Ethnicity

Computer Science (CS)					
	Term				
	Spring 2018	**Spring 2019**	**Spring 2020**	**Spring 2021**	**Spring 2022**
African American	13	14	9	10	9
Asian	111	116	141	119	137
Filipino	29	31	26	26	19
Latino	79	85	70	63	68
Native American	0	0	0	0	0
Pacific Islander	1	0	1	1	0
White	148	135	117	107	89
Multiethnic	21	28	21	28	29
Other/Unknown	2	2	11	7	6
% African American	3%	3%	2%	3%	3%
% Asian	27%	28%	36%	33%	38%
% Filipino	7%	8%	7%	7%	5%
% Latino	20%	21%	18%	17%	19%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	<1%	0%	<1%	<1%	0%
% White	37%	33%	30%	30%	25%
% Multiethnic	5%	7%	5%	8%	8%
% Other/Unknown	0%	<1%	3%	2%	2%

Office of Research, Planning, and Institutional Effectiveness
Las Positas College

Student Enrollment Status

Computer Science (CS)					
	Term				
	Spring 2018	**Spring 2019**	**Spring 2020**	**Spring 2021**	**Spring 2022**
First-Time Any College	8	15	11	12	8
First-Time Transfer	30	19	19	15	18
Continuing	336	356	337	301	282
Returning	8	10	11	13	12
Concurrent Enrollment	22	11	18	20	37
% First-Time Any College	2%	4%	3%	3%	2%
% First-Time Transfer	7%	5%	5%	4%	5%
% Continuing	83%	87%	85%	83%	79%
% Returning	2%	2%	3%	4%	3%
% Concurrent Enrollment	5%	3%	5%	6%	10%
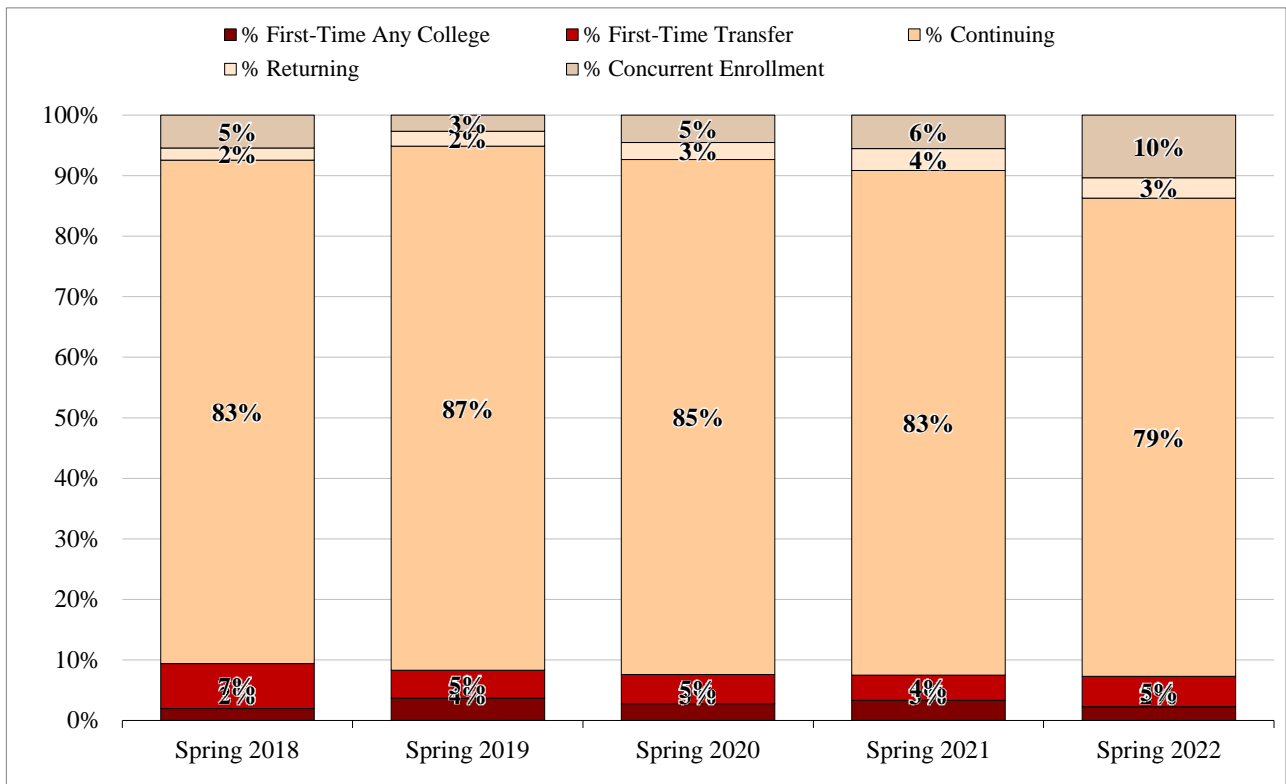
Definitions:

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

Computer Science (CS)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Full-Time (15+ units)	99	109	120	118	107
Full-Time (12 - 14.5)	136	138	133	85	99
Part-Time (6 - 11.5)	123	125	100	125	104
Part-Time (0.5 - 5.5)	46	39	43	33	47
Non-Credit Only	0	0	0	0	0
% Full-Time (15+ units)	25%	27%	30%	33%	30%
% Full-Time (12 - 14.5)	34%	34%	34%	24%	28%
% Part-Time (6 - 11.5)	30%	30%	25%	35%	29%
% Part-Time (0.5 - 5.5)	11%	9%	11%	9%	13%
% Non-Credit Only	0%	0%	0%	0%	0%
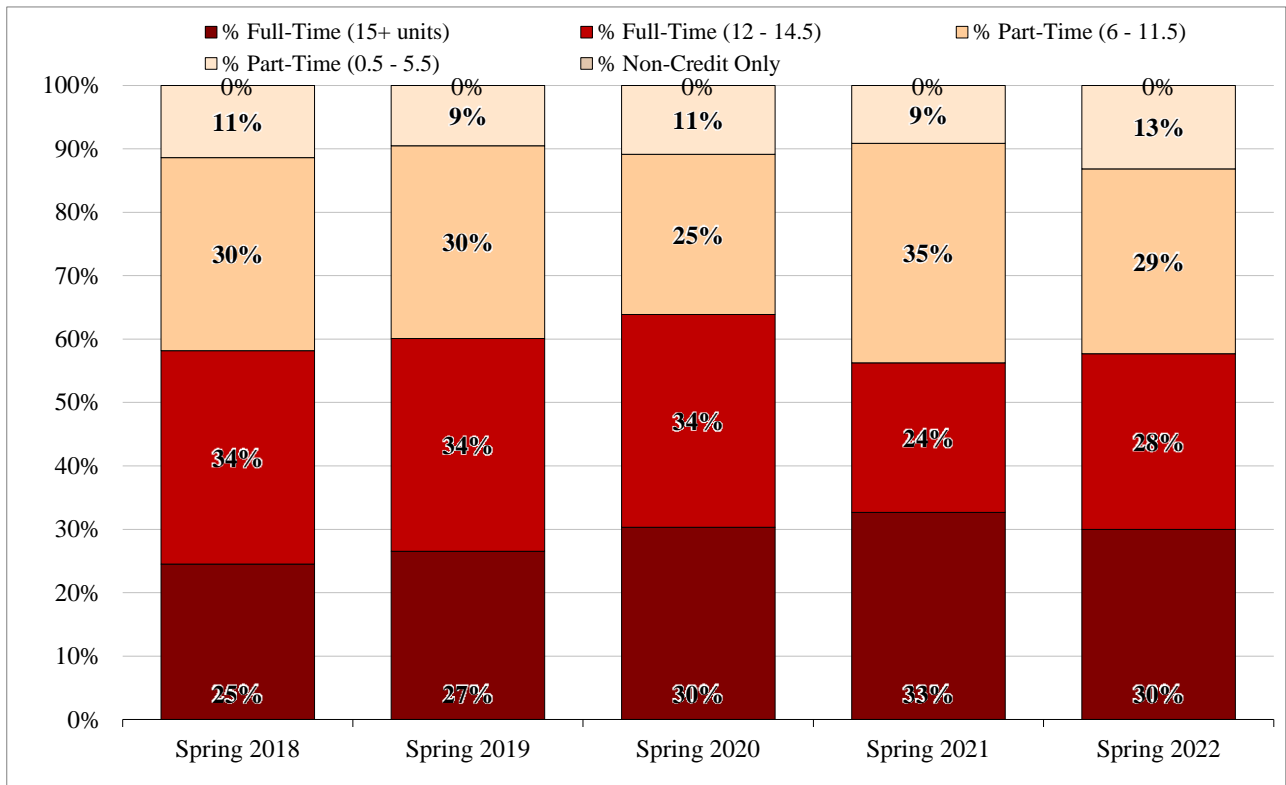
Students Using Distance Education

| Computer Science (CS)					
	Term				
(Categories reflect college-wide coursework)	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Face-to-Face (F2F) Only	325	328	283	0	83
Both F2F and DE	78	82	113	31	209
Distance Education (DE) Only	1	1	0	330	65
% Face-to-Face (F2F) Only	80%	80%	71%	0%	23%
% Both F2F and DE	19%	20%	29%	9%	59%
% Distance Education (DE) Only	<1%	<1%	0%	91%	18%
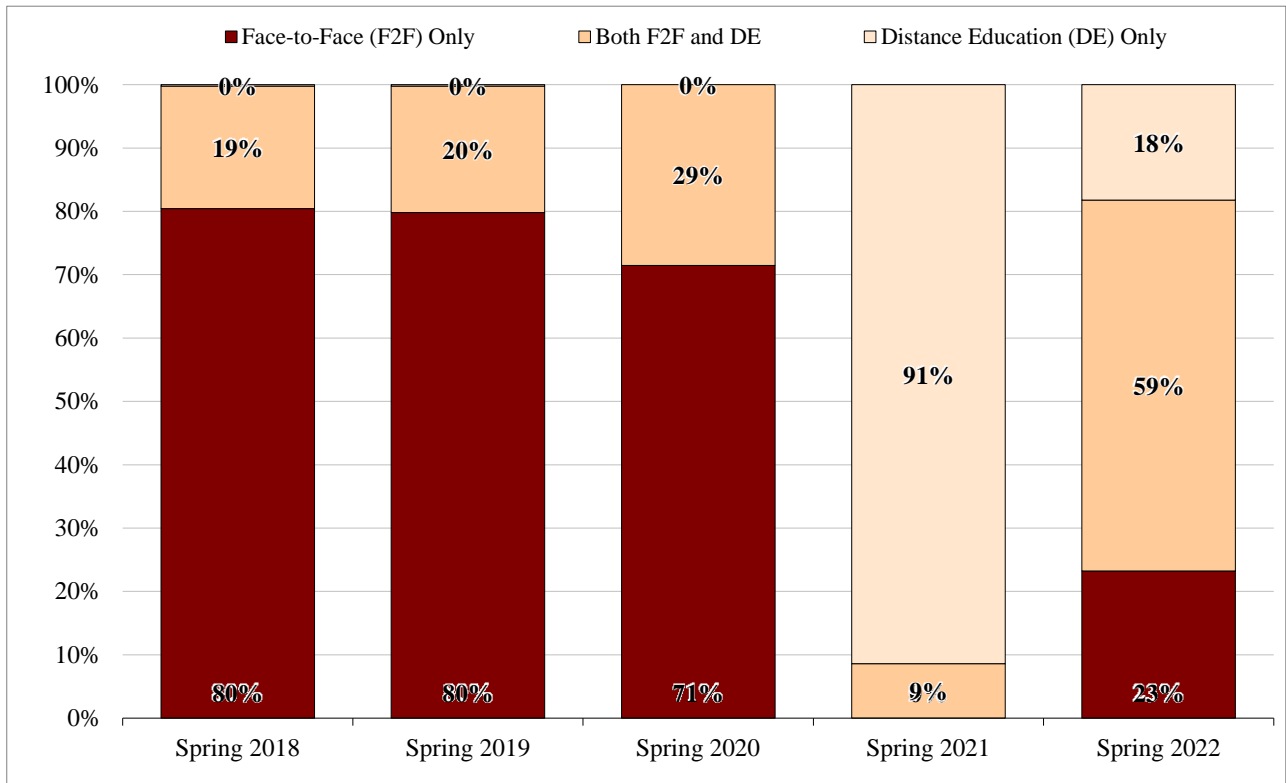
Definitions:

Distance Education (DE) includes enrollments in courses with section numbers designated as courses with 51% or more of instruction delivered online.

Due to the COVID-19 pandemic, 2020-21 DE courses were distinguished through provisional designations.

Student Educational Goal

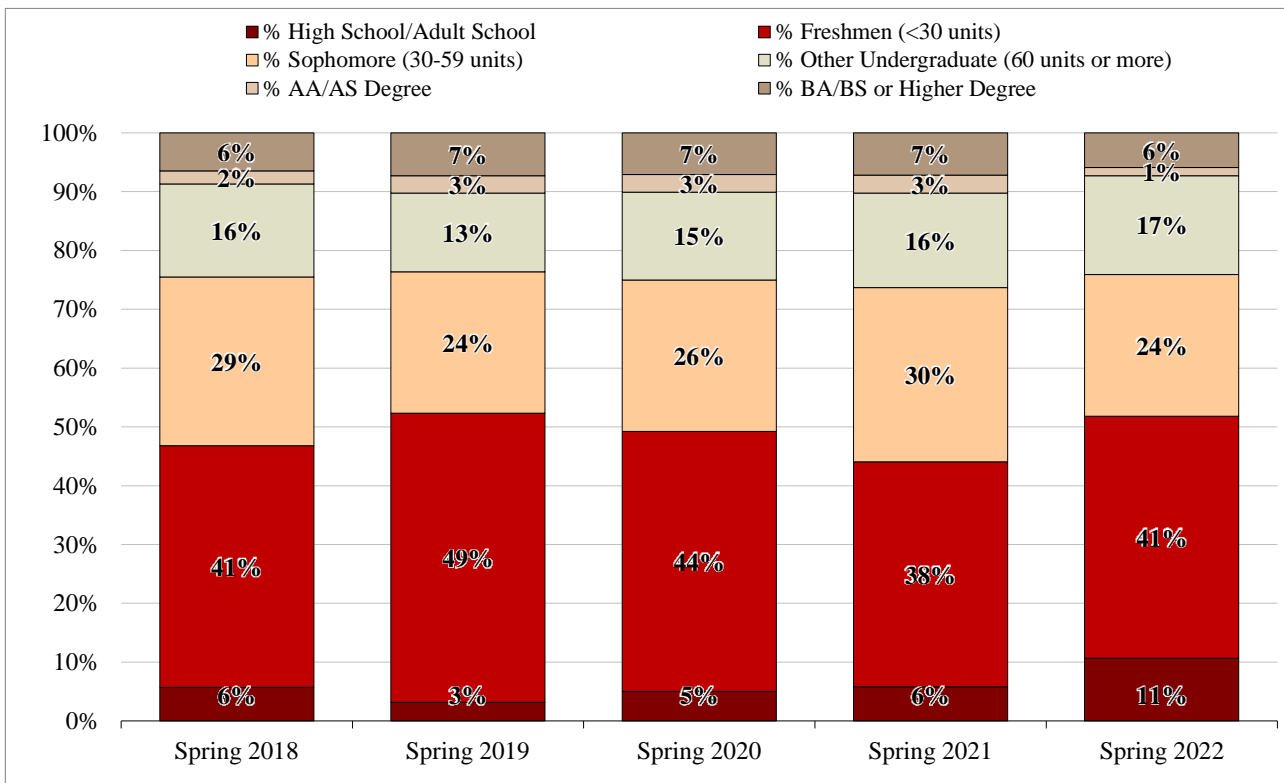| Computer Science (CS)					
	Term				
	Spring 2018	**Spring 2019**	**Spring 2020**	**Spring 2021**	**Spring 2022**
Transfer (w/ or w/o AA/AS degree)	312	328	309	285	283
Associate Degree Only (AA/AS)	10	14	9	12	9
Occupational Certificate or Job Training	33	32	28	22	15
Improve English/Math Basic Skills	3	2	6	2	3
Personal Development (intellectual/cultural)	9	4	11	6	11
Other	4	2	4	3	8
Undecided	30	28	29	31	28
Unknown	3	1	0	0	0
% Transfer (w/ or w/o AA/AS degree)	77%	80%	78%	79%	79%
% Associate Degree Only (AA/AS)	2%	3%	2%	3%	3%
% Occupational Certificate or Job Training	8%	8%	7%	6%	4%
% Improve English/Math Basic Skills	1%	<1%	2%	1%	1%
% Personal Development (intellectual/cultural)	2%	1%	3%	2%	3%
% Other	1%	<1%	1%	1%	2%
% Undecided	7%	7%	7%	9%	8%
% Unknown	1%	<1%	0%	0%	0%
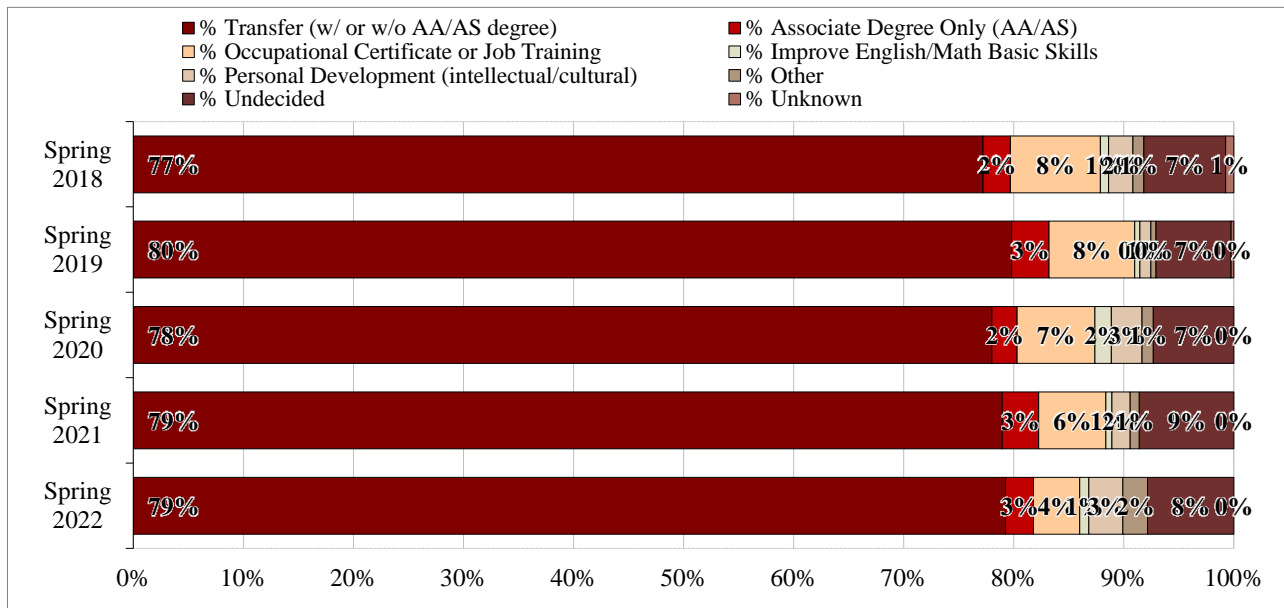
Definitions:

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

Computer Science (CS)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
High School/Adult School	23	13	20	21	38
Freshmen (<30 units)	166	202	175	138	147
Sophomore (30-59 units)	116	99	102	107	86
Other Undergraduate (60 units or more)	64	55	59	58	60
AA/AS Degree	9	12	12	11	5
BA/BS or Higher Degree	26	30	28	26	21
% High School/Adult School	6%	3%	5%	6%	11%
% Freshmen (<30 units)	41%	49%	44%	38%	41%
% Sophomore (30-59 units)	29%	24%	26%	30%	24%
% Other Undergraduate (60 units or more)	16%	13%	15%	16%	17%
% AA/AS Degree	2%	3%	3%	3%	1%
% BA/BS or Higher Degree	6%	7%	7%	7%	6%

Office of Research, Planning, and Institutional Effectiveness
Las Positas College

Student Performance: Grade Distribution

| Computer Science (CS)					
	Term				
	Spring 2018	**Spring 2019**	**Spring 2020**	**Spring 2021**	**Spring 2022**
Total Course Enrollments	**447**	**445**	**457**	**405**	**405**
Course Success Rates	**68%**	**65%**	**70%**	**66%**	**73%**
A	33%	27%	36%	31%	36%
B	21%	23%	19%	24%	23%
C	14%	15%	11%	10%	13%
P	0%	<1%	3%	1%	2%
Course Non-Success Rate	**17%**	**15%**	**7%**	**13%**	**15%**
D	5%	4%	2%	6%	5%
F*	12%	12%	5%	7%	10%
Withdrawals (See Note)	**16%**	**19%**	**23%**	**21%**	**12%**
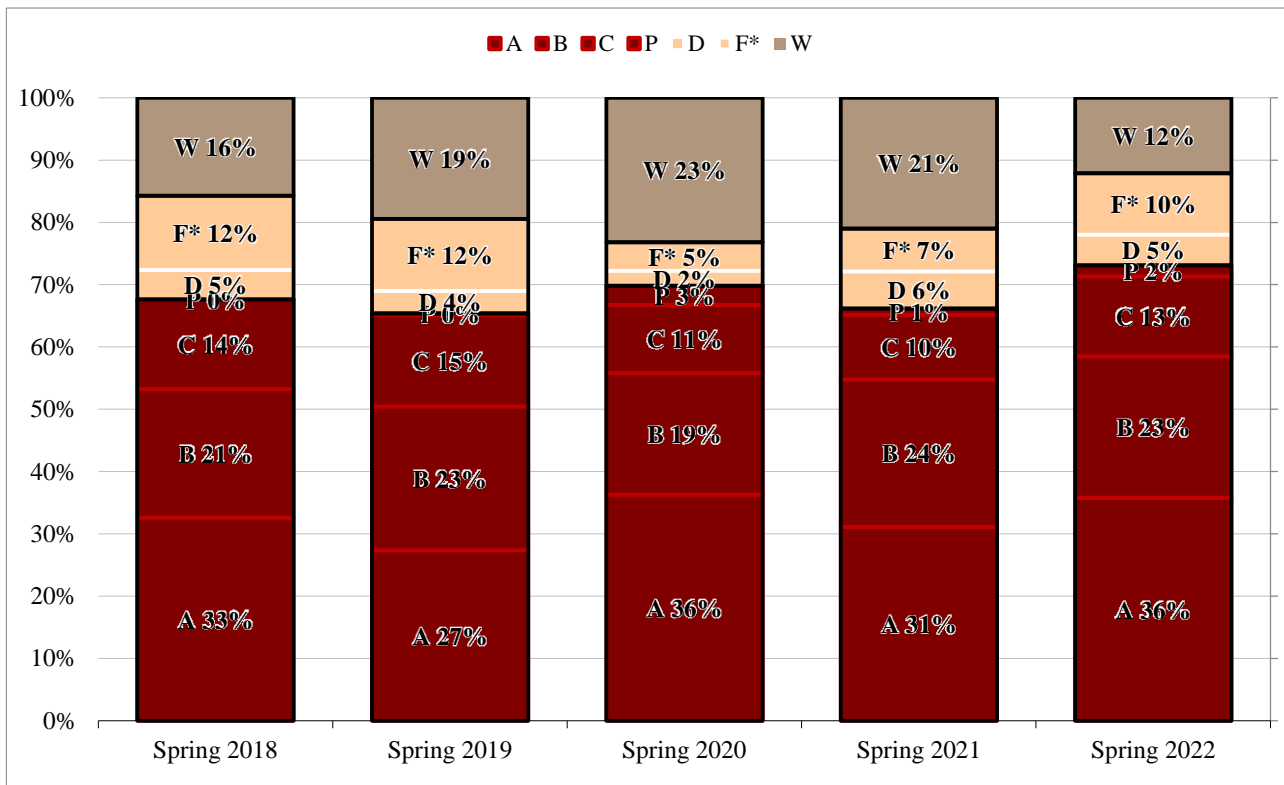
Definitions:

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.

Student Performance: Distance Education

Computer Science (CS)					
	Term				
	Spring 2018	**Spring 2019**	**Spring 2020**	**Spring 2021**	**Spring 2022**
Total Course Enrollments	447	445	457	405	405
Face-to-Face (F2F) Sections	446	444	455	0	277
Success Rates	68%	65%	70%	—	77%
Non-Success Rates	17%	15%	7%	—	12%
Withdrawals	16%	20%	23%	—	11%
Distance Education (DE) Sections	1	1	2	405	128
Success Rates	100%	100%	50%	66%	65%
Non-Success Rates	0%	0%	50%	13%	20%
Withdrawals	0%	0%	0%	21%	15%
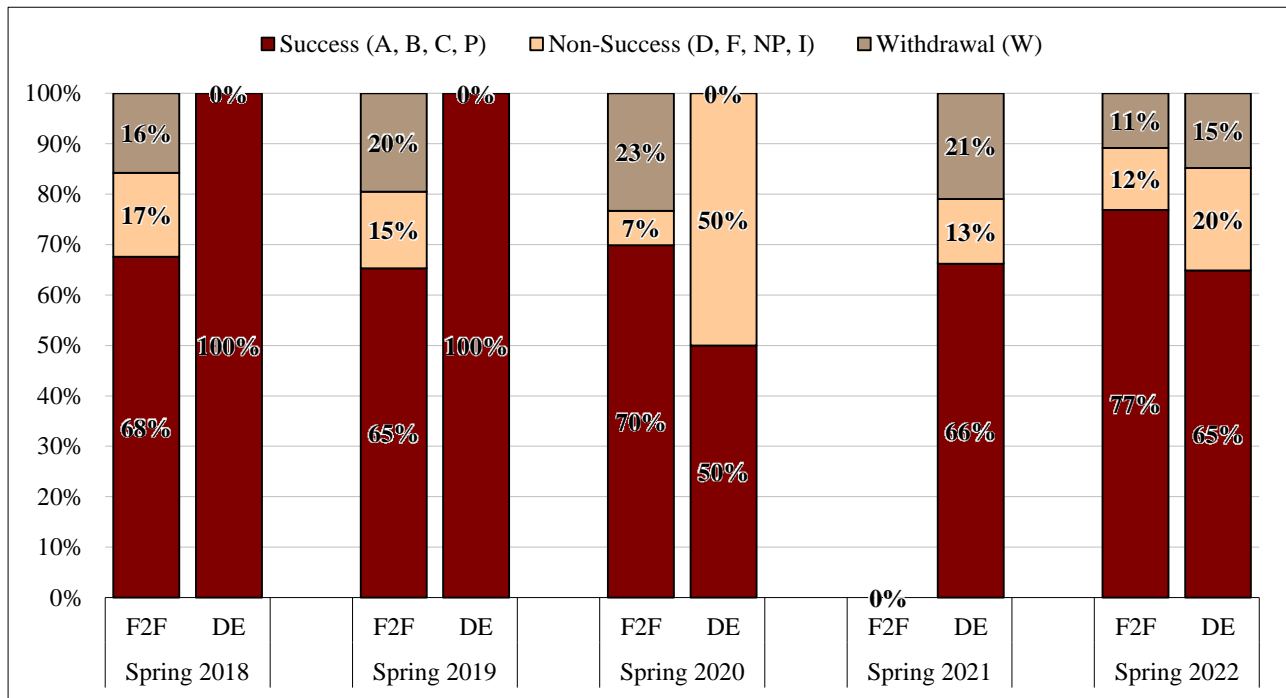
Definitions:

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

Computer Science (CS)					
	Term				
	Spring 2018	**Spring 2019**	**Spring 2020**	**Spring 2021**	**Spring 2022**
WSCH	2,570	2,553	2,605	2,258	2,249
FTES	80.8	80.6	83.3	72.4	73.3
FTEF	4.4	4.8	4.6	4.3	4.3
Productivity (WSCH/FTEF)	578.7	532.9	561.3	521.2	519.2
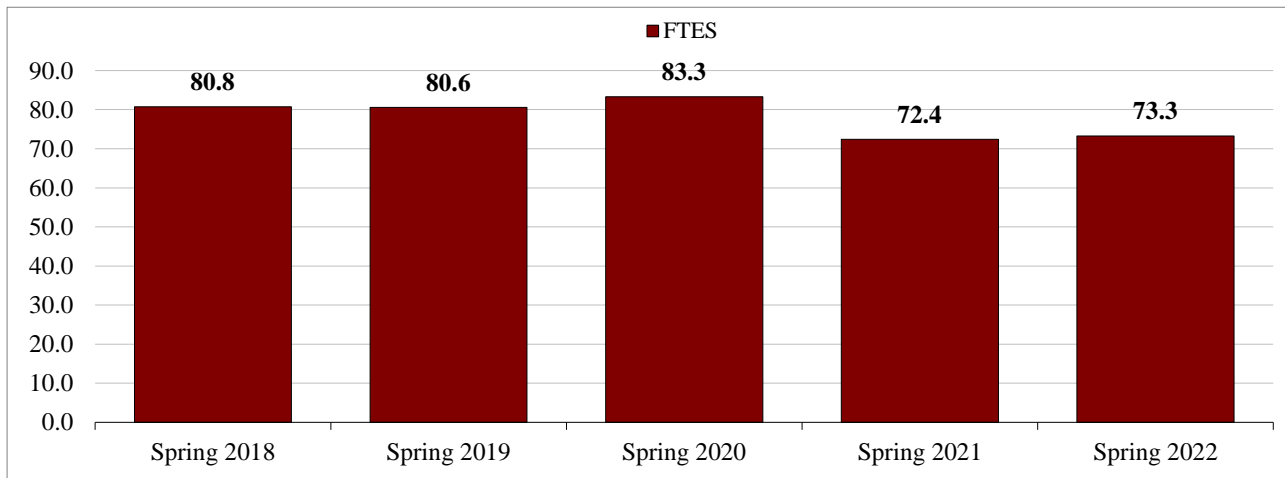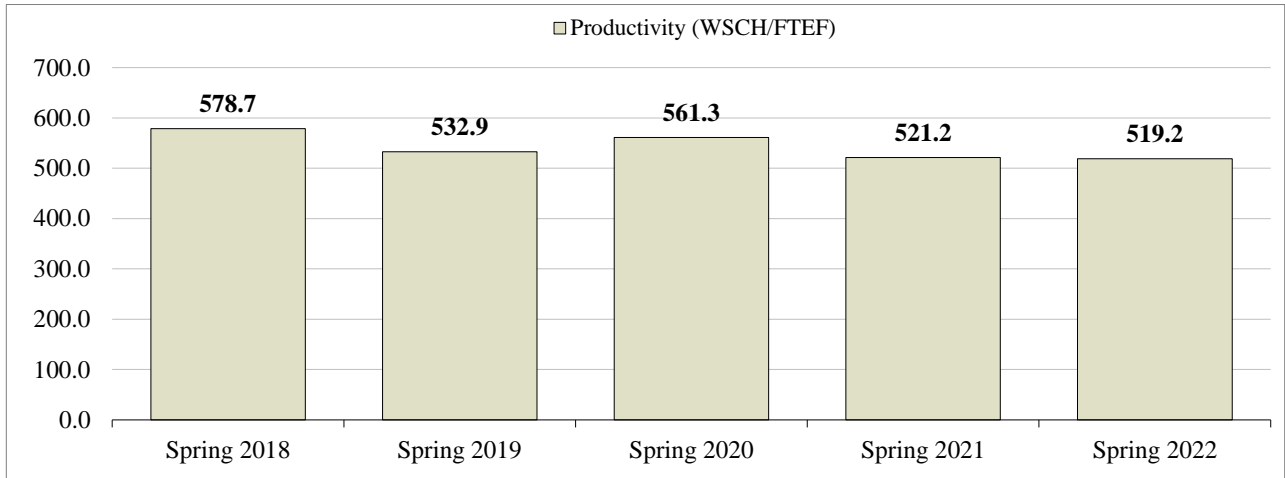
Definitions:

   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 7/20/21.

Enrollment Management: Part 2

| Computer Science (CS)					
	Term				
	Spring 2018	**Spring 2019**	**Spring 2020**	**Spring 2021**	**Spring 2022**
FTEF from Full-Time Faculty	2.1	1.8	2.3	1.8	2.1
% FTEF from Full-Time Faculty	47%	37%	50%	40%	48%
Enrollments	447	445	457	405	405
Capacity (seats available)	465	495	401	370	370
Fill Rate	96%	90%	114%	109%	109%
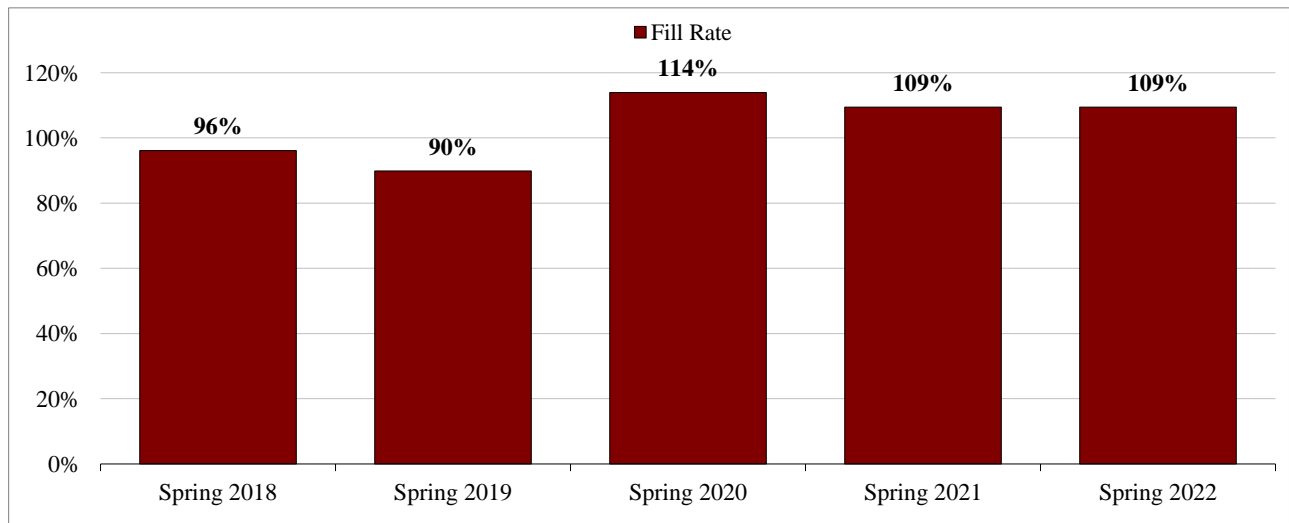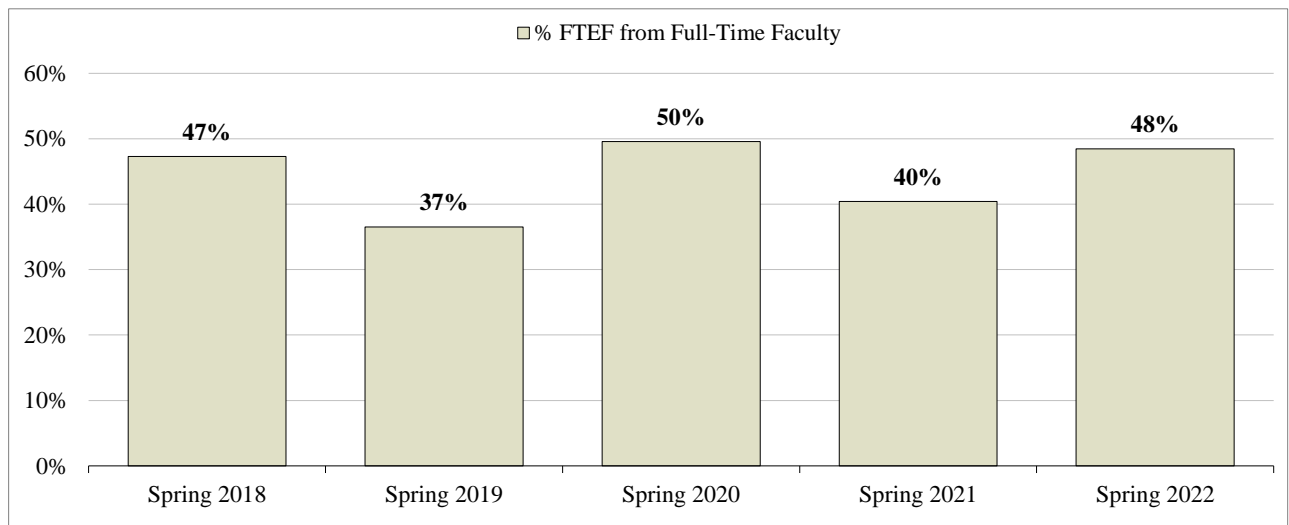
Definitions:

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 7/20/21.

Prior Experience in English & Math

Spring 2022					
	CS			LPC Overall	
	Num	Pct		Num	Pct
College English					
Completed College-level	240	67%		4,022	61%
Attempted College-level	16	4%		490	7%
Attempted Below College-level	4	1%		30	0%
No Prior Attempt (has placement)	54	15%		934	14%
No Prior Attempt (no placement)	43	12%		1,089	17%
College Math					
Completed College-level	295	83%		4,345	66%
Attempted College-level	3	1%		103	2%
Attempted Below College-level	6	2%		160	2%
No Prior Attempt (has placement)	22	6%		914	14%
No Prior Attempt (no placement)	31	9%		1,043	16%
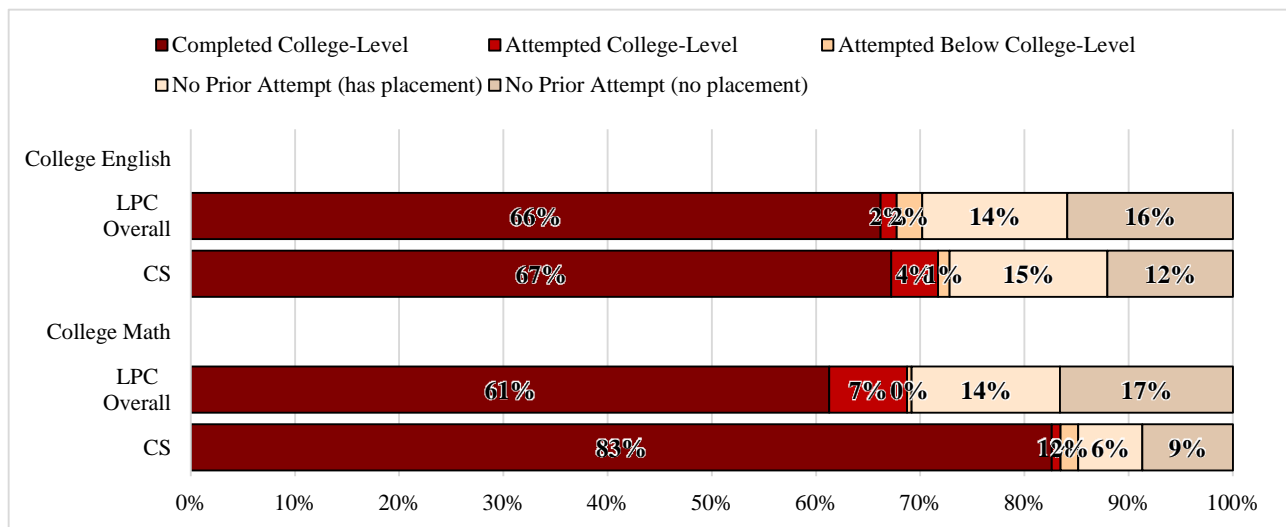
Definitions:

College English: **Completed College-level** = successfully completed ENG 1A, 1AEX, or attempted transfer level, or has earned at least an Associates degree.

Attempted College-level = attempted ENG 1A or 1AEX but has not successfully completed prior to indicated term.

Attempted Below College-level = attempted ENG 102, 104, 105, 100A , 100B, NENG 204, or ESL 25 prior to indicated term.

No Prior Attempt (has placement) = no previous English enrollments within the sequence but has used a placement tool.

No Prior Atempt (no placement) = no previous English enrollments within the sequence and did not utilize a placement tool.

College Math:

Completed College-level = succesfully completed MATH 55, 50, NMAT 255 or 250, or attempted transfer level, or has earned at least an Associates degree.

Attempted College-level = attempted MATH 55, 50, NMAT 255 or 250 but has not successfully completed prior to indicated term.

Attempted Below College-level = attempted MATH 110, 107, NMAT 210 or 207 prior to indicated term.

No Prior Attempt (has placement) = no previous Math enrollments within the sequence but has used a placement tool.

No Prior Attempt (no placement) = no previous Math enrollments within the sequence and did not utilize a placement tool.