



Las Positas College

Discipline Program Review Data Packet

Fall 2018 to Spring 2023

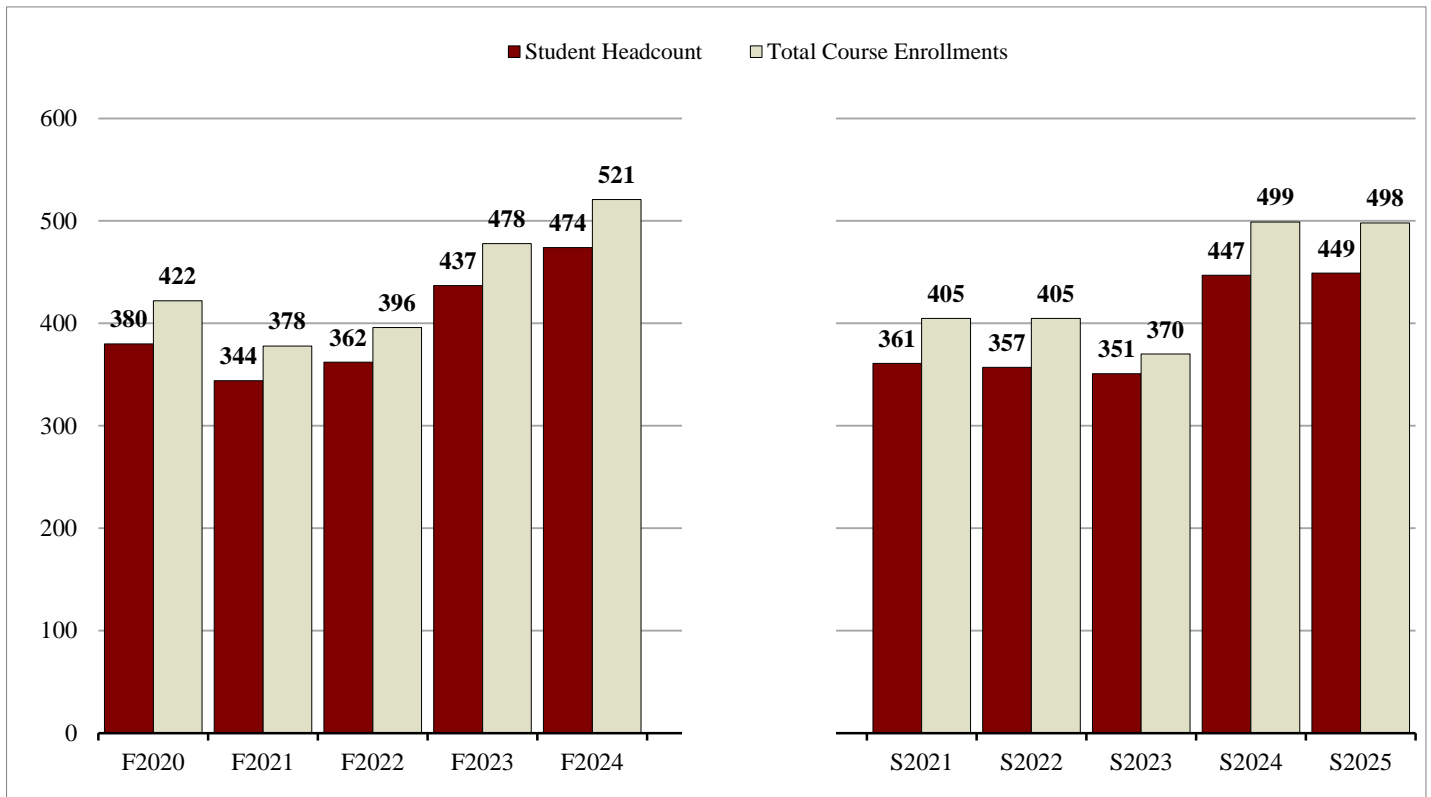
Discipline:

Computer Science (CS)

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Headcount & Enrollment

Computer Science (CS)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Student Headcount	380	344	362	437	474	361	357	351	447	449
Total Course Enrollments	422	378	396	478	521	405	405	370	499	498



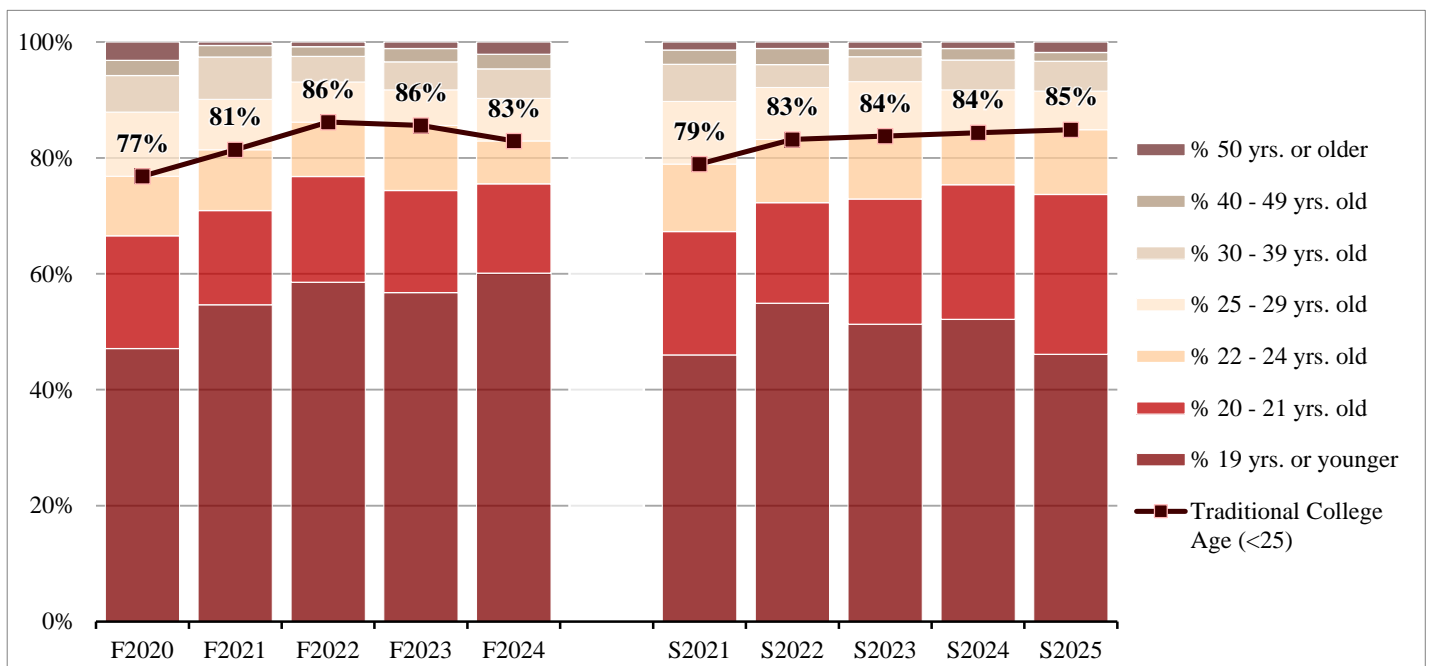
Definitions:

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.

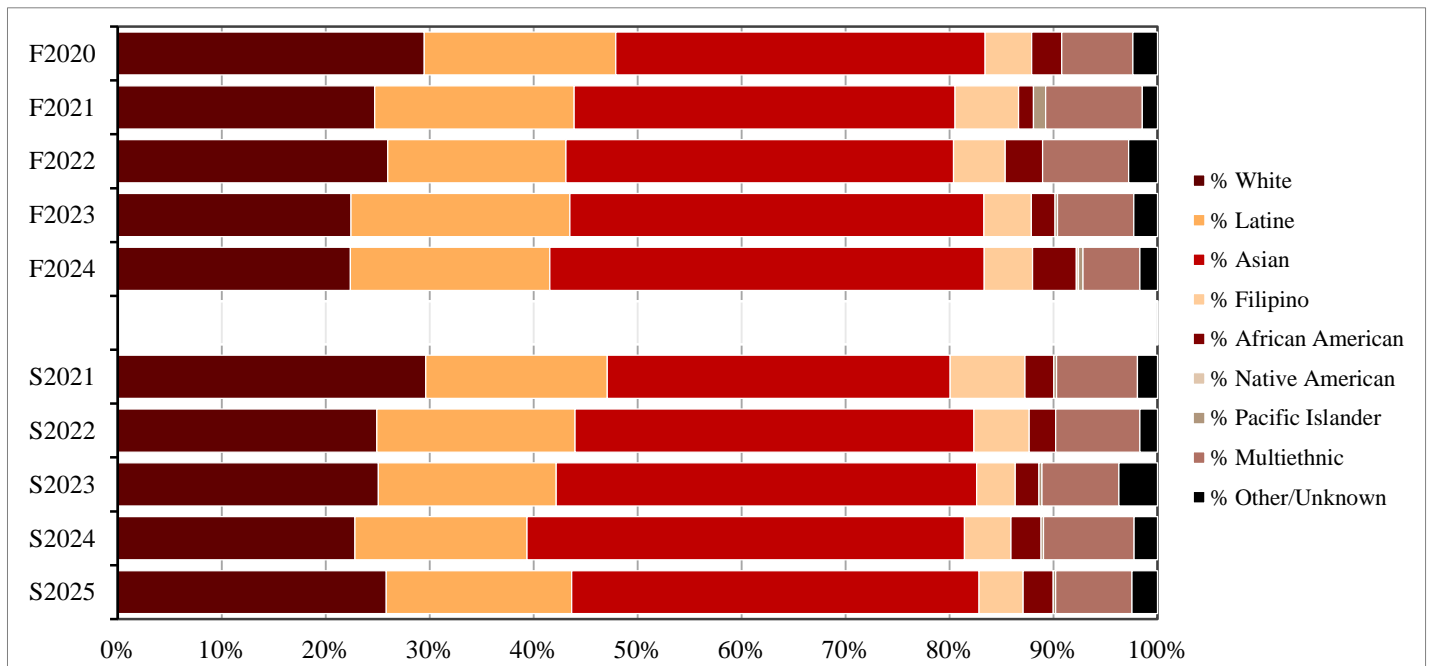
Student Demographics: Gender & Age

Computer Science (CS)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Female	93	82	71	111	106	82	90	77	108	109
Male	280	256	281	301	341	269	262	266	317	332
19 yrs. or younger	179	188	212	248	285	166	196	180	233	207
20-21 yrs. old	74	56	66	77	73	77	62	76	104	124
22-24 yrs. old	39	36	34	49	35	42	39	38	40	50
25-29 yrs. old	42	30	25	27	35	39	32	33	33	30
30-39 yrs. old	24	25	16	21	24	23	14	15	23	23
40-49 yrs. old	10	7	6	10	12	9	10	5	9	7
50 yrs. or older	12	2	3	5	10	5	4	4	5	8
% Female	25%	24%	20%	27%	24%	23%	26%	22%	25%	25%
% Male	75%	76%	80%	73%	76%	77%	74%	78%	75%	75%
% 19 yrs. or younger	47%	55%	59%	57%	60%	46%	55%	51%	52%	46%
% 20 - 21 yrs. old	19%	16%	18%	18%	15%	21%	17%	22%	23%	28%
% 22 - 24 yrs. old	10%	10%	9%	11%	7%	12%	11%	11%	9%	11%
% 25 - 29 yrs. old	11%	9%	7%	6%	7%	11%	9%	9%	7%	7%
% 30 - 39 yrs. old	6%	7%	4%	5%	5%	6%	4%	4%	5%	5%
% 40 - 49 yrs. old	3%	2%	2%	2%	3%	2%	3%	1%	2%	2%
% 50 yrs. or older	3%	1%	1%	1%	2%	1%	1%	1%	1%	2%



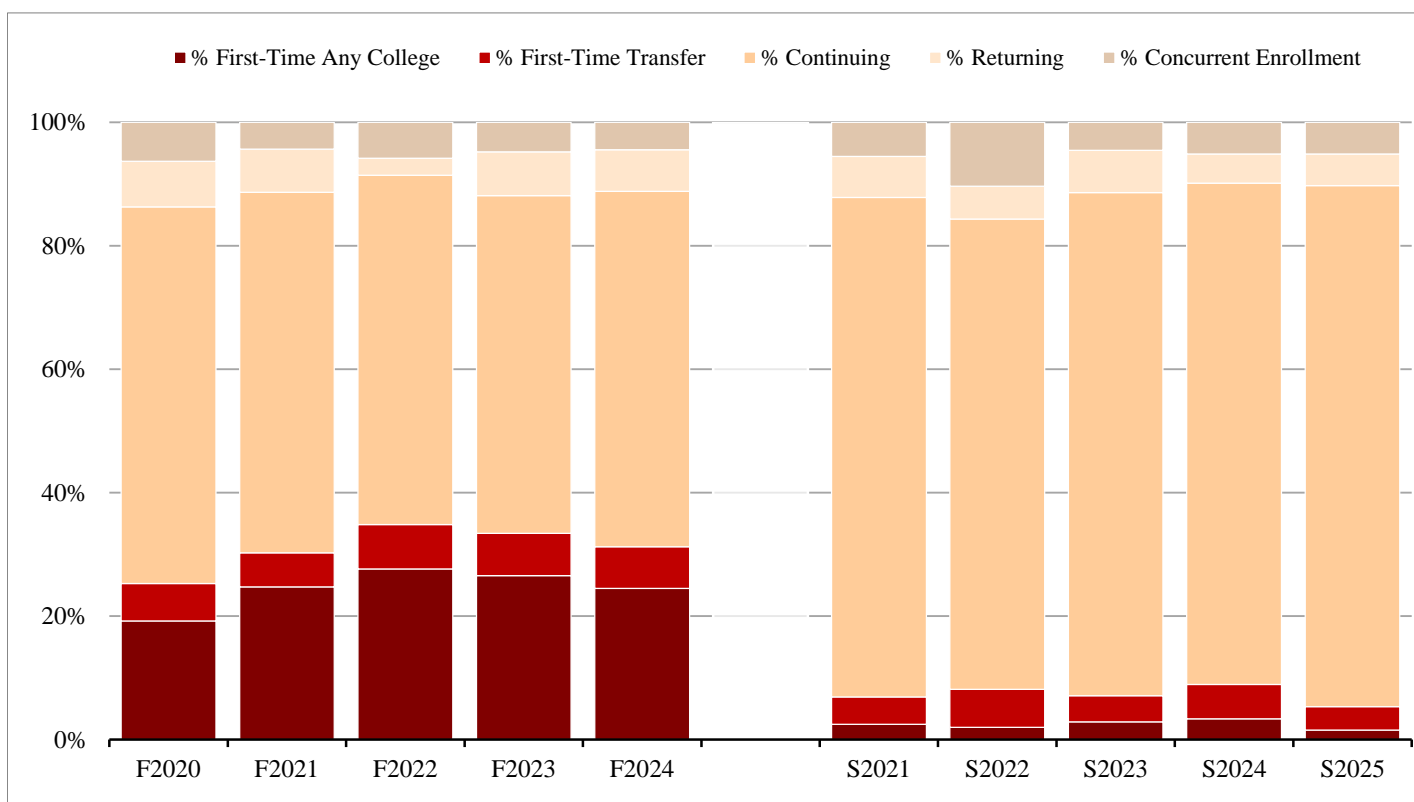
Student Demographic: Race-Ethnicity

Computer Science (CS)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
African American	11	5	13	10	20	10	9	8	13	13
Asian	135	126	135	174	198	119	137	142	188	176
Filipino	17	21	18	20	22	26	19	13	20	19
Latine	70	66	62	92	91	63	68	60	74	80
Native American	0	0	0	0	1	0	0	0	0	0
Pacific Islander	0	4	0	1	2	1	0	1	1	1
White	112	85	94	98	106	107	89	88	102	116
Multiethnic	26	32	30	32	26	28	29	26	39	33
Other/Unknown	9	5	10	10	8	7	6	13	10	11
% African American	3%	1%	4%	2%	4%	3%	3%	2%	3%	3%
% Asian	36%	37%	37%	40%	42%	33%	38%	40%	42%	39%
% Filipino	4%	6%	5%	5%	5%	7%	5%	4%	4%	4%
% Latine	18%	19%	17%	21%	19%	17%	19%	17%	17%	18%
% Native American	0%	0%	0%	0%	<1%	0%	0%	0%	0%	0%
% Pacific Islander	0%	1%	0%	<1%	<1%	<1%	0%	<1%	<1%	<1%
% White	29%	25%	26%	22%	22%	30%	25%	25%	23%	26%
% Multiethnic	7%	9%	8%	7%	5%	8%	8%	7%	9%	7%
% Other/Unknown	2%	1%	3%	2%	2%	2%	2%	4%	2%	2%



Student Enrollment Status

Computer Science (CS)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
First-Time Any College	73	85	100	116	116	9	7	10	15	7
First-Time Transfer	23	19	26	30	32	16	22	15	25	17
Continuing	232	201	205	239	273	292	272	286	363	379
Returning	28	24	10	31	32	24	19	24	21	23
Concurrent Enrollment	24	15	21	21	21	20	37	16	23	23
% First-Time Any College	19%	25%	28%	27%	24%	2%	2%	3%	3%	2%
% First-Time Transfer	6%	6%	7%	7%	7%	4%	6%	4%	6%	4%
% Continuing	61%	58%	57%	55%	58%	81%	76%	81%	81%	84%
% Returning	7%	7%	3%	7%	7%	7%	5%	7%	5%	5%
% Concurrent Enrollment	6%	4%	6%	5%	4%	6%	10%	5%	5%	5%



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.

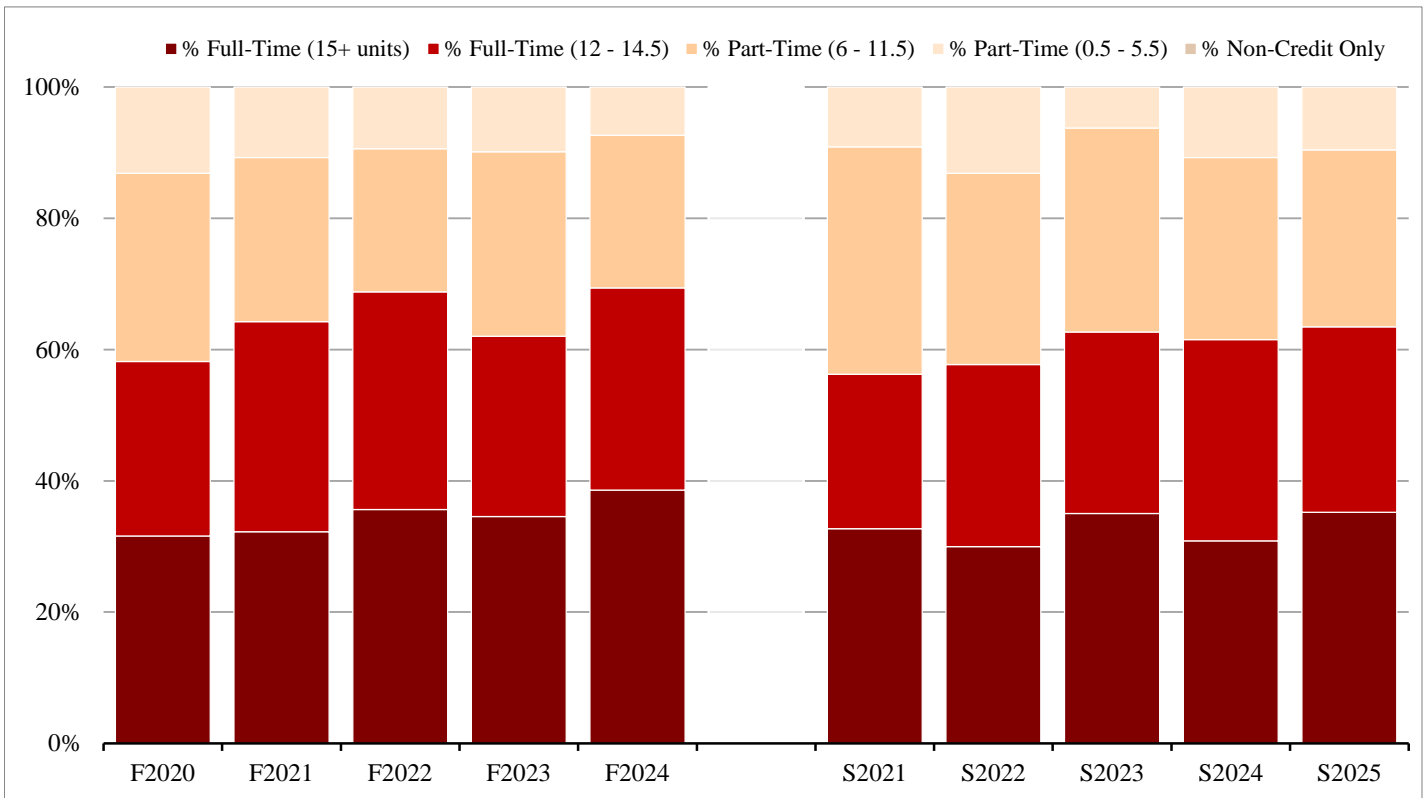
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

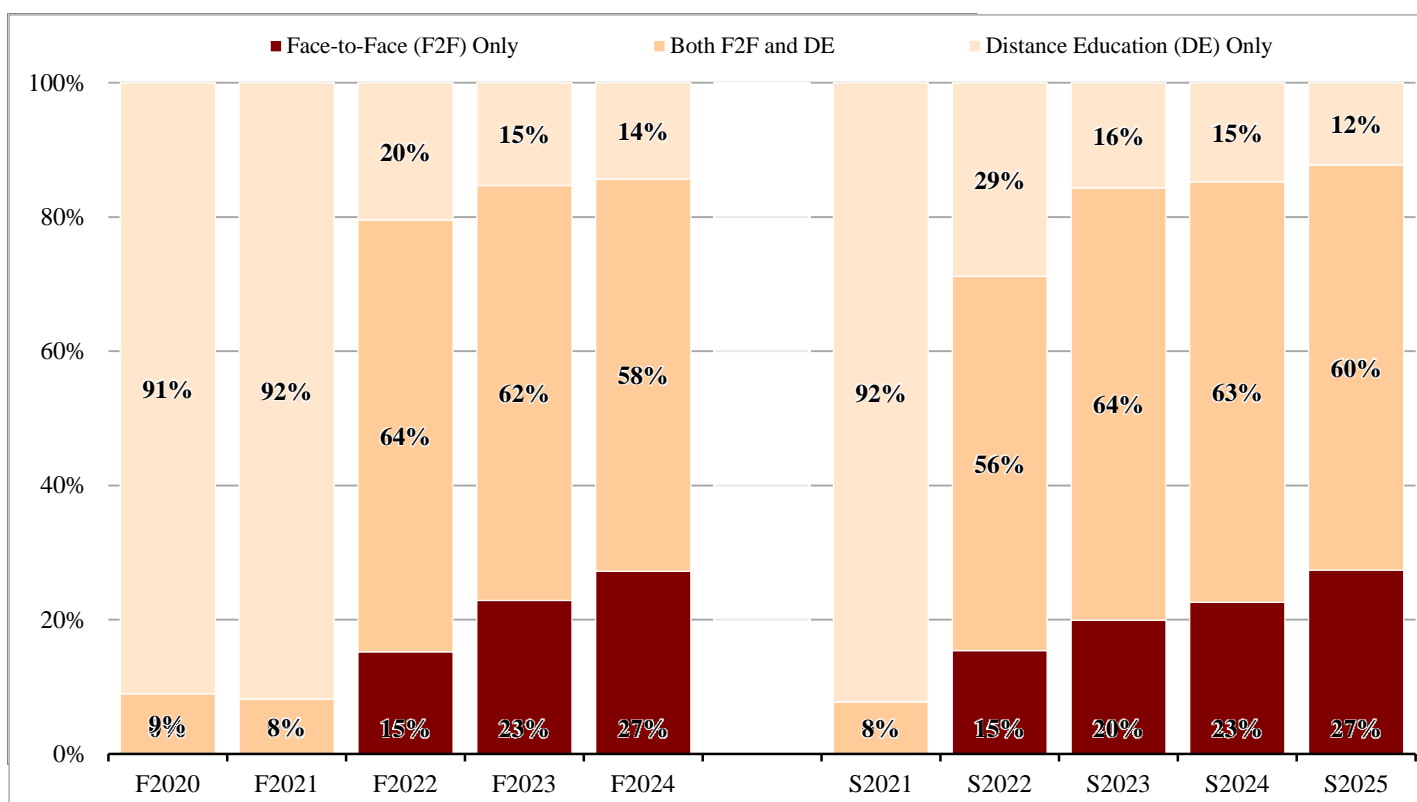
Student Unit Load

Computer Science (CS)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Full-Time (15+ units)	120	111	129	151	183	118	107	123	138	158
Full-Time (12 - 14.5 units)	101	110	120	120	146	85	99	97	137	127
Part-Time (6 - 11.5 units)	109	86	79	123	110	125	104	109	124	121
Part-Time (0.5 - 5.5 units)	50	37	34	43	35	33	47	22	48	43
Non-Credit Only	0	0	0	0	0	0	0	0	0	0
% Full-Time (15+ units)	32%	32%	36%	35%	39%	33%	30%	35%	31%	35%
% Full-Time (12 - 14.5)	27%	32%	33%	27%	31%	24%	28%	28%	31%	28%
% Part-Time (6 - 11.5)	29%	25%	22%	28%	23%	35%	29%	31%	28%	27%
% Part-Time (0.5 - 5.5)	13%	11%	9%	10%	7%	9%	13%	6%	11%	10%
% Non-Credit Only	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



Students Using Distance Education

Computer Science (CS)										
<i>(Categories reflect college-wide coursework)</i>	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Face-to-Face (F2F) Only	0	0	55	100	129	0	55	70	101	123
Both F2F and DE	34	28	233	270	277	28	199	226	280	271
Distance Education (DE) Only	346	316	74	67	68	333	103	55	66	55
% Face-to-Face (F2F) Only	0%	0%	15%	23%	27%	0%	15%	20%	23%	27%
% Both F2F and DE	9%	8%	64%	62%	58%	8%	56%	64%	63%	60%
% Distance Education (DE) Only	91%	92%	20%	15%	14%	92%	29%	16%	15%	12%



Definitions:

Distance Education (DE) includes enrollments in course sections that deliver course content online. Courses are categorized using the following methods:

Prior to Summer 2020, via section numbers (i.e., start with 'DE', 'HD', 'LD' and 'LO'); courses with 51% of content delivered online.

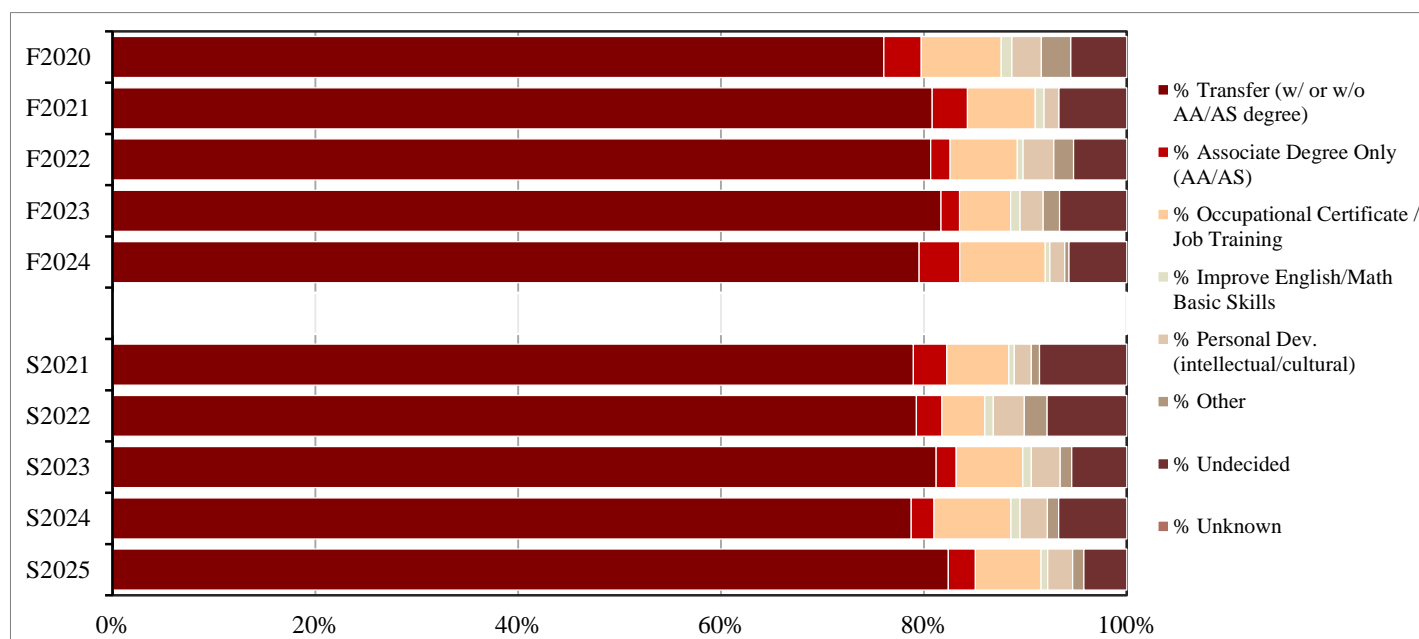
In Summer 2020 and Fall 2020, due to the COVID-19 pandemic, via web comments for each section; identified as any with an online component.

In Spring 2021 and Summer 2021, via section numbers (i.e., 'A##', 'S##', 'B##', 'H##', 'HF#').

Since Fall 2021 to present, via course attributes identifying course modality, or, when no attributes are provided, via section numbers (as previously indicated).

Student Educational Goal

Computer Science (CS)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Transfer (w/ or w/o AA/AS degree)	289	278	292	357	377	285	283	285	352	370
Associate Degree Only (AA/AS)	14	12	7	8	19	12	9	7	10	12
Occupational Certificate / Job Training	30	23	24	22	40	22	15	23	34	29
Improve English/Math Basic Skills	4	3	2	4	2	2	3	3	4	3
Personal Development (intellectual/cultural)	11	5	11	10	7	6	11	10	12	11
Other	11	0	7	7	2	3	8	4	5	5
Undecided	21	23	19	29	27	31	28	19	30	19
Unknown	0	0	0	0	0	0	0	0	0	0
% Transfer (w/ or w/o AA/AS degree)	76%	81%	81%	82%	80%	79%	79%	81%	79%	82%
% Associate Degree Only (AA/AS)	4%	3%	2%	2%	4%	3%	3%	2%	2%	3%
% Occupational Certificate / Job Training	8%	7%	7%	5%	8%	6%	4%	7%	8%	6%
% Improve English/Math Basic Skills	1%	1%	1%	1%	<1%	1%	1%	1%	1%	1%
% Personal Dev. (intellectual/cultural)	3%	1%	3%	2%	1%	2%	3%	3%	3%	2%
% Other	3%	0%	2%	2%	<1%	1%	2%	1%	1%	1%
% Undecided	6%	7%	5%	7%	6%	9%	8%	5%	7%	4%
% Unknown	0%	0%	0%	0%	0%	0%	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.

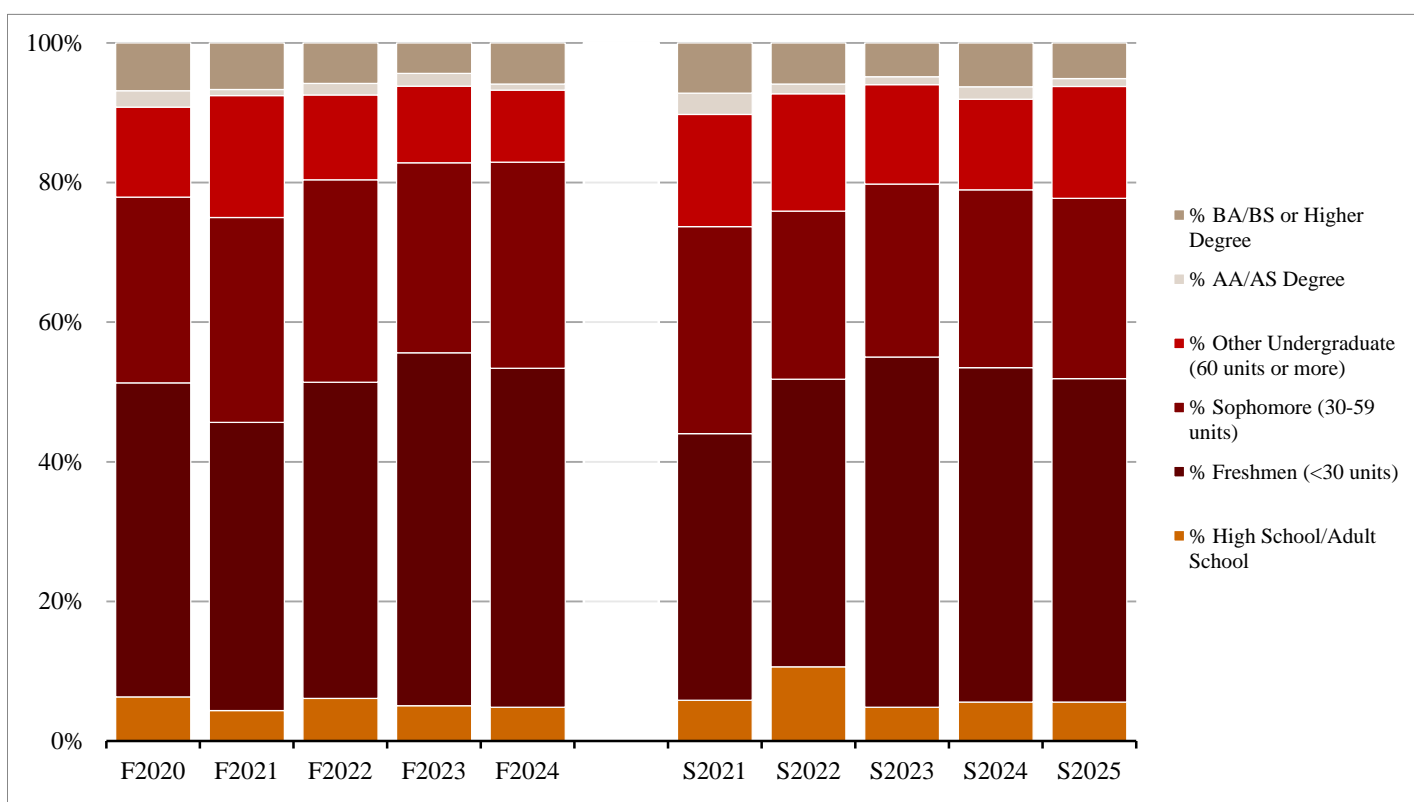
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

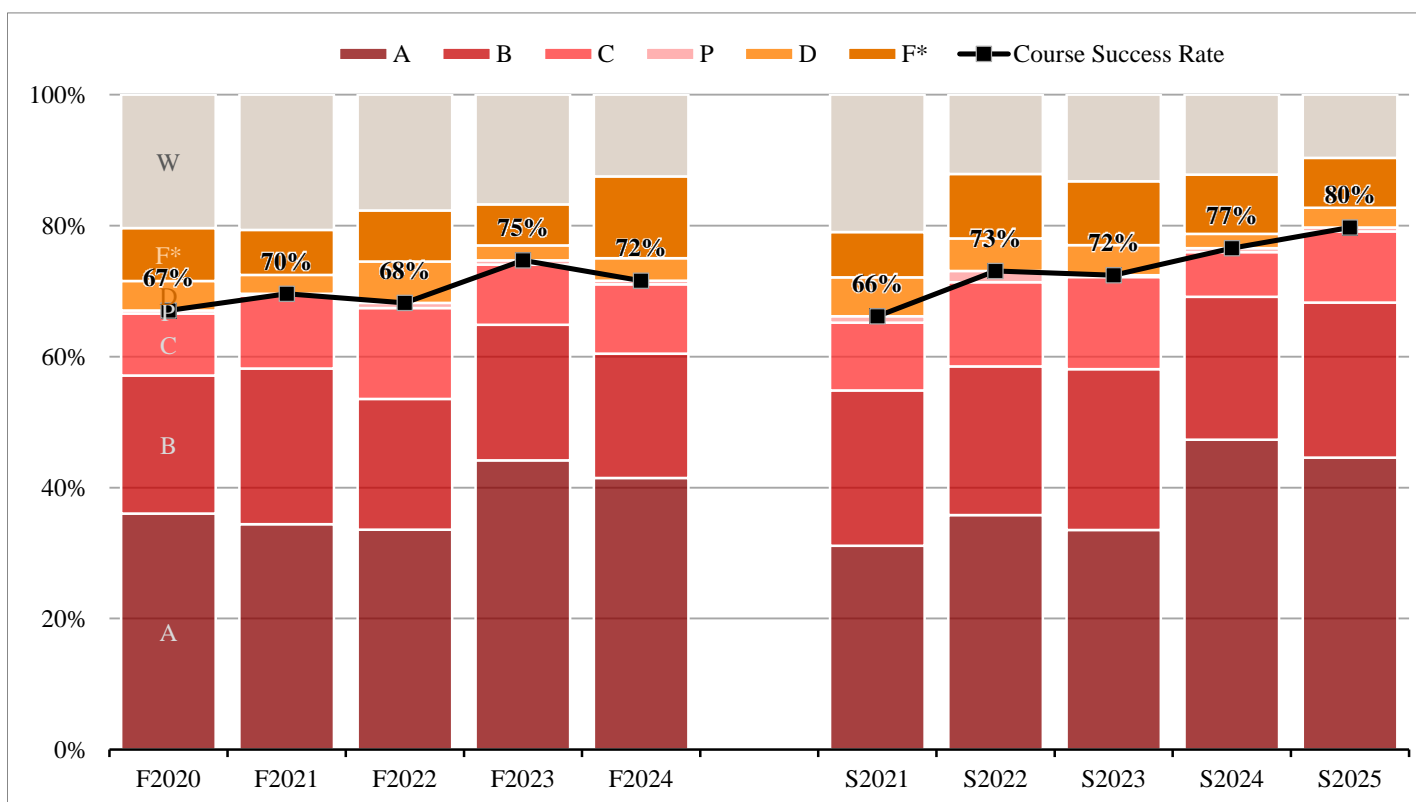
Highest Educational Level of Students

Computer Science (CS)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
High School/Adult School	24	15	22	22	23	21	38	17	25	25
Freshmen (<30 units)	171	142	164	221	230	138	147	176	214	208
Sophomore (30-59 units)	101	101	105	119	140	107	86	87	114	116
Other Undergraduate (60 units or more)	49	60	44	48	49	58	60	50	58	72
AA/AS Degree	9	3	6	8	4	11	5	4	8	5
BA/BS or Higher Degree	26	23	21	19	28	26	21	17	28	23
% High School/Adult School	6%	4%	6%	5%	5%	6%	11%	5%	6%	6%
% Freshmen (<30 units)	45%	41%	45%	51%	49%	38%	41%	50%	48%	46%
% Sophomore (30-59 units)	27%	29%	29%	27%	30%	30%	24%	25%	26%	26%
% Other Undergraduate (60 units or more)	13%	17%	12%	11%	10%	16%	17%	14%	13%	16%
% AA/AS Degree	2%	1%	2%	2%	1%	3%	1%	1%	2%	1%
% BA/BS or Higher Degree	7%	7%	6%	4%	6%	7%	6%	5%	6%	5%



Student Performance: Grade Distribution

Computer Science (CS)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Total Course Enrollments	422	378	396	478	521	405	405	370	499	498
Course Success Rates	67%	70%	68%	75%	72%	66%	73%	72%	77%	80%
A	36%	34%	34%	44%	41%	31%	36%	34%	47%	45%
B	21%	24%	20%	21%	19%	24%	23%	25%	22%	24%
C	9%	11%	14%	9%	11%	10%	13%	14%	7%	11%
P	<1%	<1%	1%	1%	1%	1%	2%	<1%	1%	1%
Course Non-Success Rate	13%	10%	14%	9%	16%	13%	15%	14%	11%	11%
D	5%	3%	6%	2%	3%	6%	5%	5%	2%	3%
F*	8%	7%	8%	6%	12%	7%	10%	10%	9%	8%
Withdrawals (See Note)	20%	21%	18%	17%	12%	21%	12%	13%	12%	10%



Definitions:

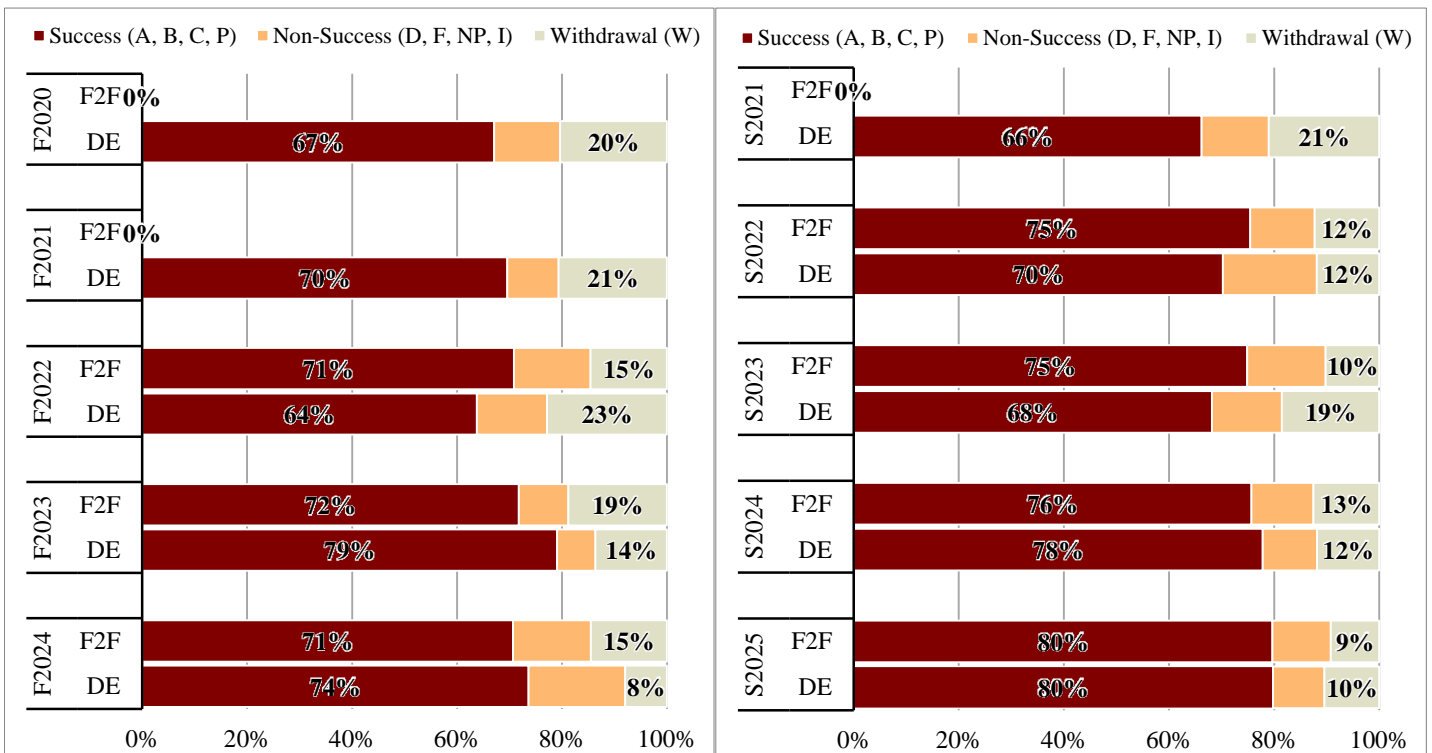
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D' or F* (includes: 'F', 'NP', 'T', '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)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Total Course Enrollments	422	378	396	478	521	405	405	370	499	498
Face-to-Face (F2F) Sections	0	0	247	287	358	0	220	235	296	325
Success Rates	—	—	71%	72%	71%	—	75%	75%	76%	80%
Non-Success Rates	—	—	15%	9%	15%	—	12%	15%	12%	11%
Withdrawals	—	—	15%	19%	15%	—	12%	10%	13%	9%
Distance Education (DE) Sections	422	378	149	191	163	405	185	135	203	173
Success Rates	67%	70%	64%	79%	74%	66%	70%	68%	78%	80%
Non-Success Rates	13%	10%	13%	7%	18%	13%	18%	13%	10%	10%
Withdrawals	20%	21%	23%	14%	8%	21%	12%	19%	12%	10%



Definitions:

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

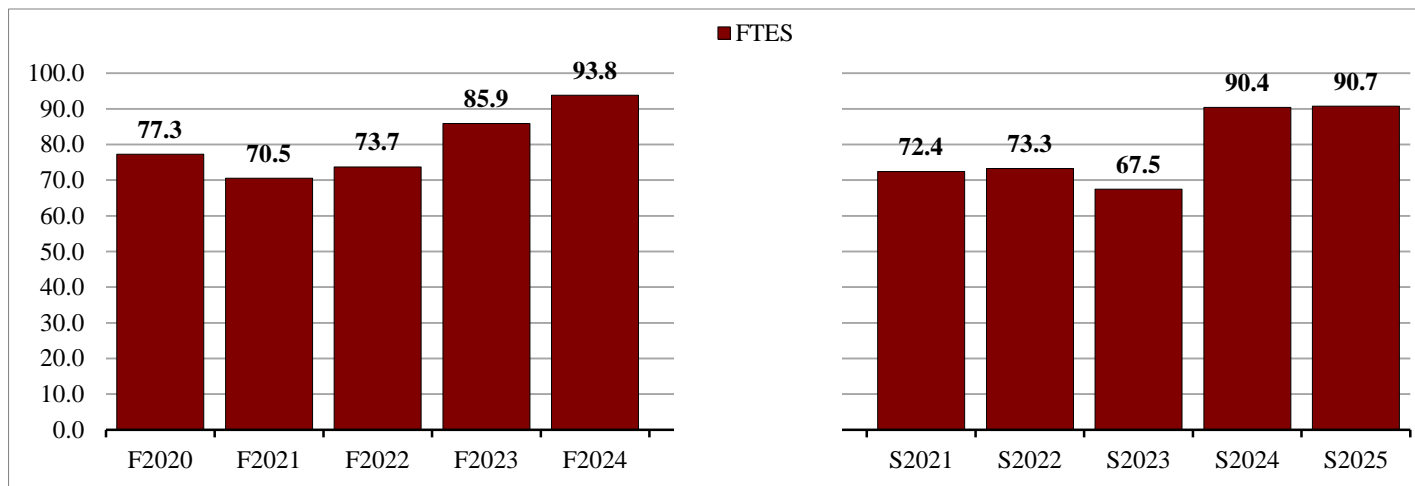
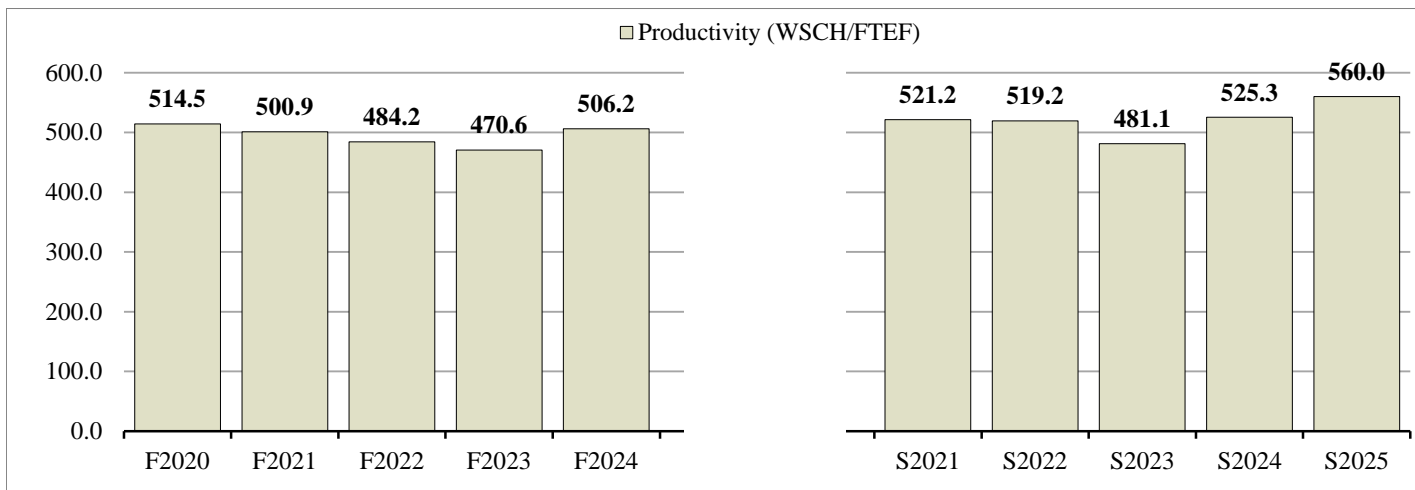
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

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 deliver course content online. (see note in "Students Using Distance Education" for details.)

Enrollment Management: Part 1

	Computer Science (CS)									
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
WSCH	2,409	2,170	2,267	2,689	2,913	2,258	2,249	2,084	2,770	2,757
FTES	77.3	70.5	73.7	85.9	93.8	72.4	73.3	67.5	90.4	90.7
FTEF	4.7	4.3	4.7	5.7	5.8	4.3	4.3	4.3	5.3	4.9
Productivity (WSCH/FTEF)	514.5	500.9	484.2	470.6	506.2	521.2	519.2	481.1	525.3	560.0



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.

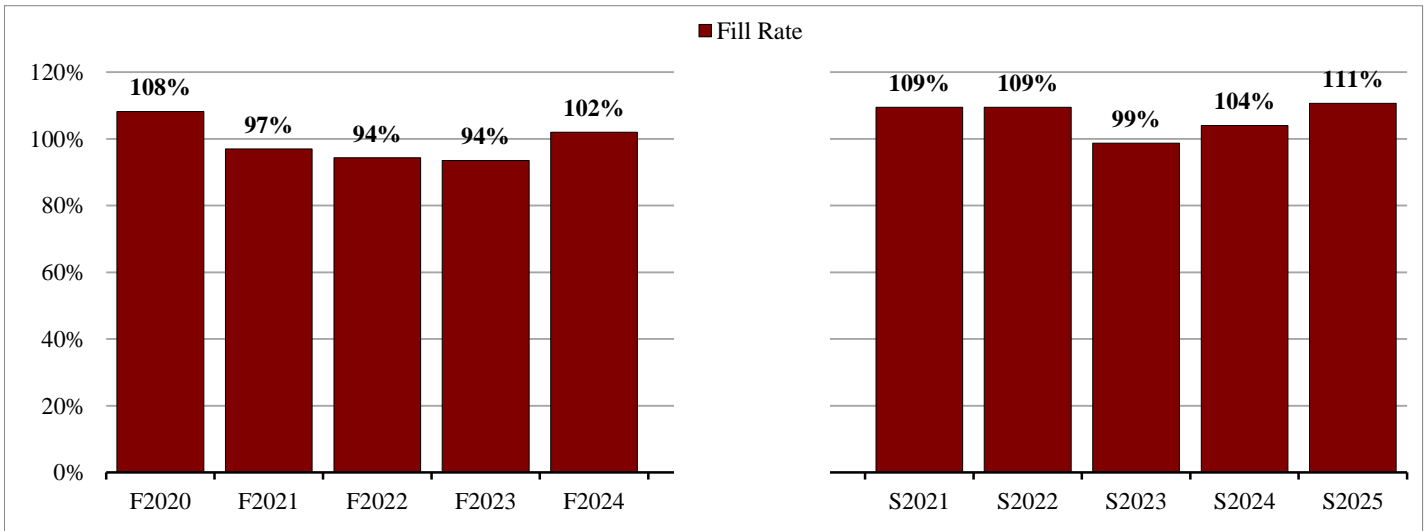
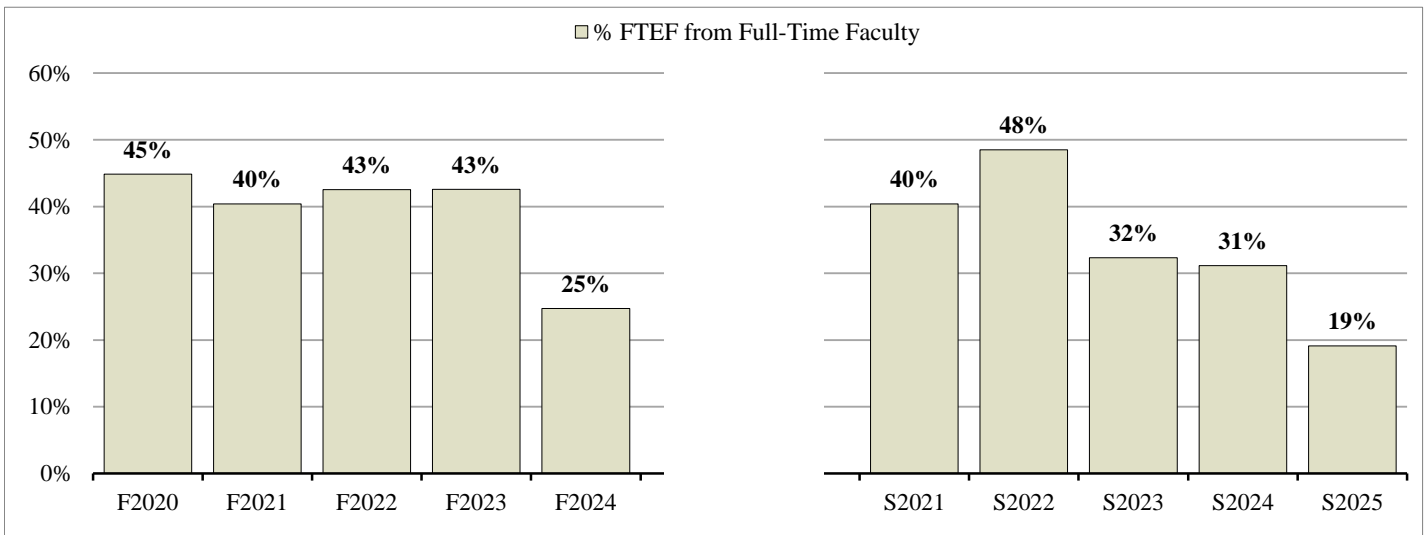
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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

Computer Science (CS)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
FTEF from Full-Time Faculty	2.1	1.8	2.0	2.4	1.4	1.8	2.1	1.4	1.6	0.9
% FTEF from Full-Time Faculty	45%	40%	43%	43%	25%	40%	48%	32%	31%	19%
Enrollments	422	378	396	478	521	405	405	370	499	498
Capacity (seats available)	390	390	420	511	511	370	370	375	480	450
Fill Rate	108%	97%	94%	94%	102%	109%	109%	99%	104%	111%



Definitions:

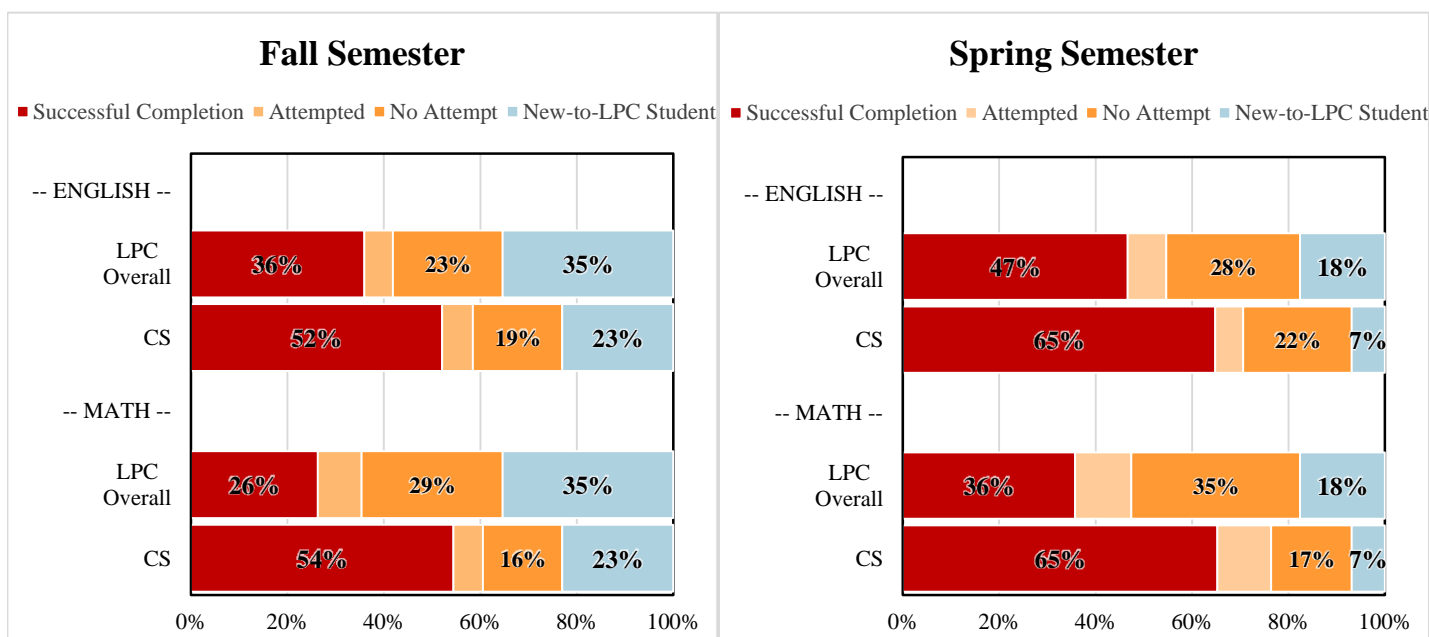
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 2024				Spring 2025			
	CS		LPC Overall		CS		LPC Overall	
	Num	Pct	Num	Pct	Num	Pct	Num	Pct
Transfer-level English								
Successful Completion*	247	52%	2,993	36%	291	65%	3,734	47%
Attempted (not successful)	30	6%	492	6%	26	6%	641	8%
No Attempt	88	19%	1,892	23%	101	22%	2,223	28%
New-to-LPC Student	109	23%	2,946	35%	31	7%	1,409	18%
Transfer-level Math								
Successful Completion*	258	54%	2,189	26%	293	65%	2,859	36%
Attempted (not successful)	29	6%	757	9%	50	11%	935	12%
No Attempt	78	16%	2,431	29%	75	17%	2,804	35%
New-to-LPC Student	109	23%	2,946	35%	31	7%	1,409	18%



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