Las Positas College

Discipline Program Review Data Packet

Spring 2017 to Spring 2021

Discipline:

Computer Science (CS)

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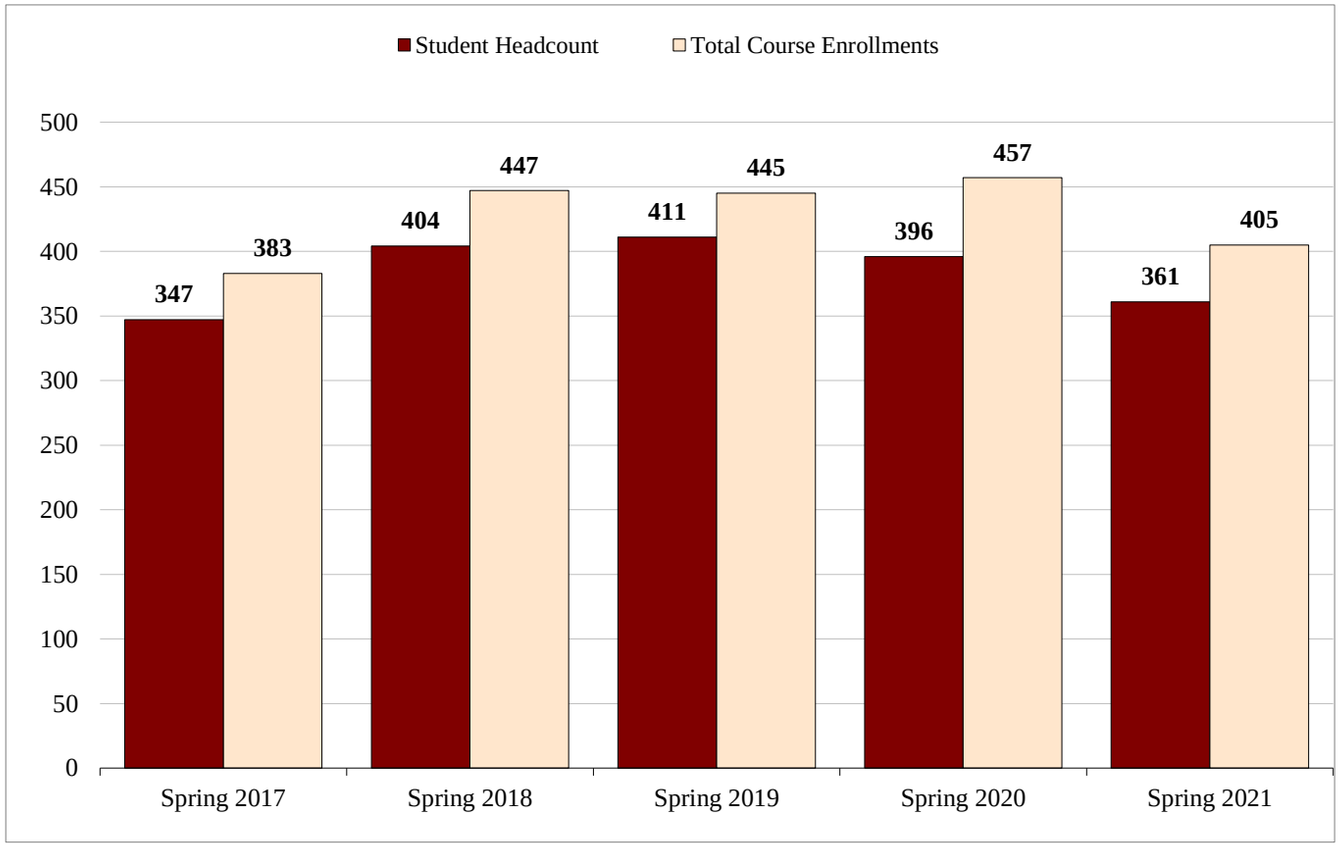
Headcount & Enrollment

Computer Science (CS)	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Student Headcount	347	404	411	396	361
Total Course Enrollments	383	447	445	457	405



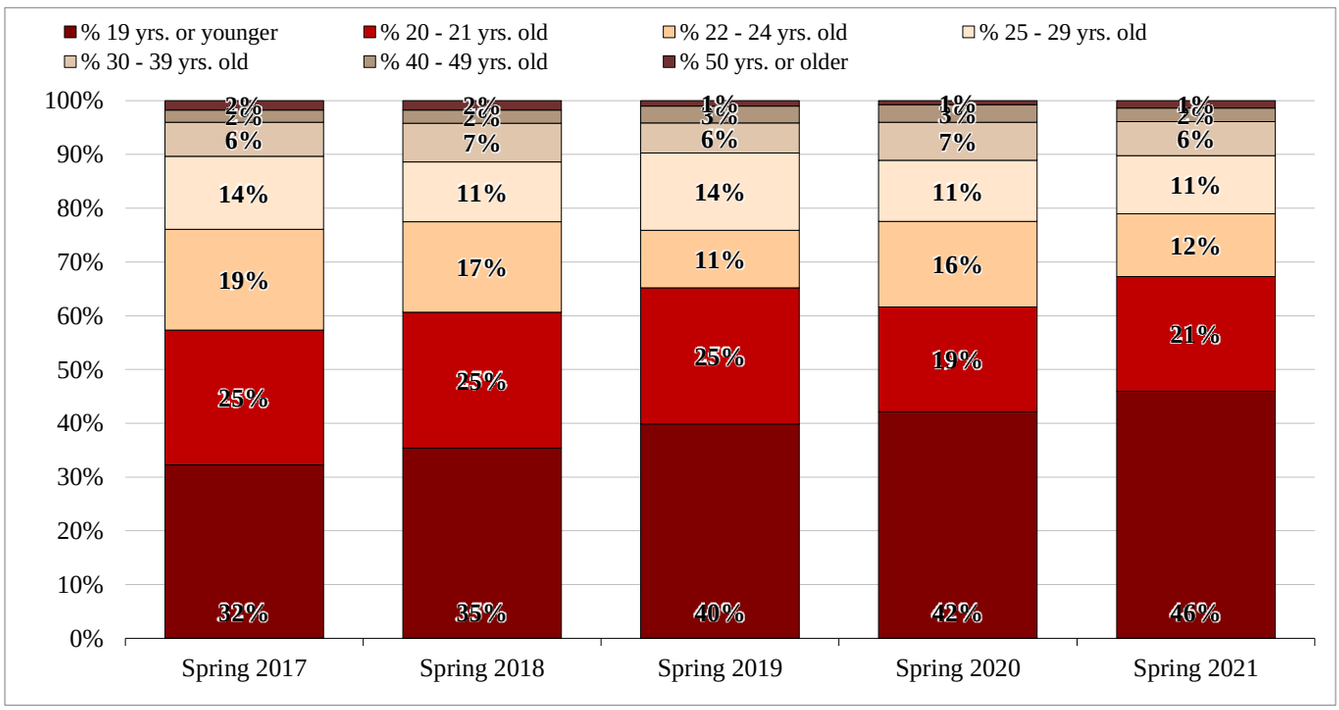
Definitions:

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.

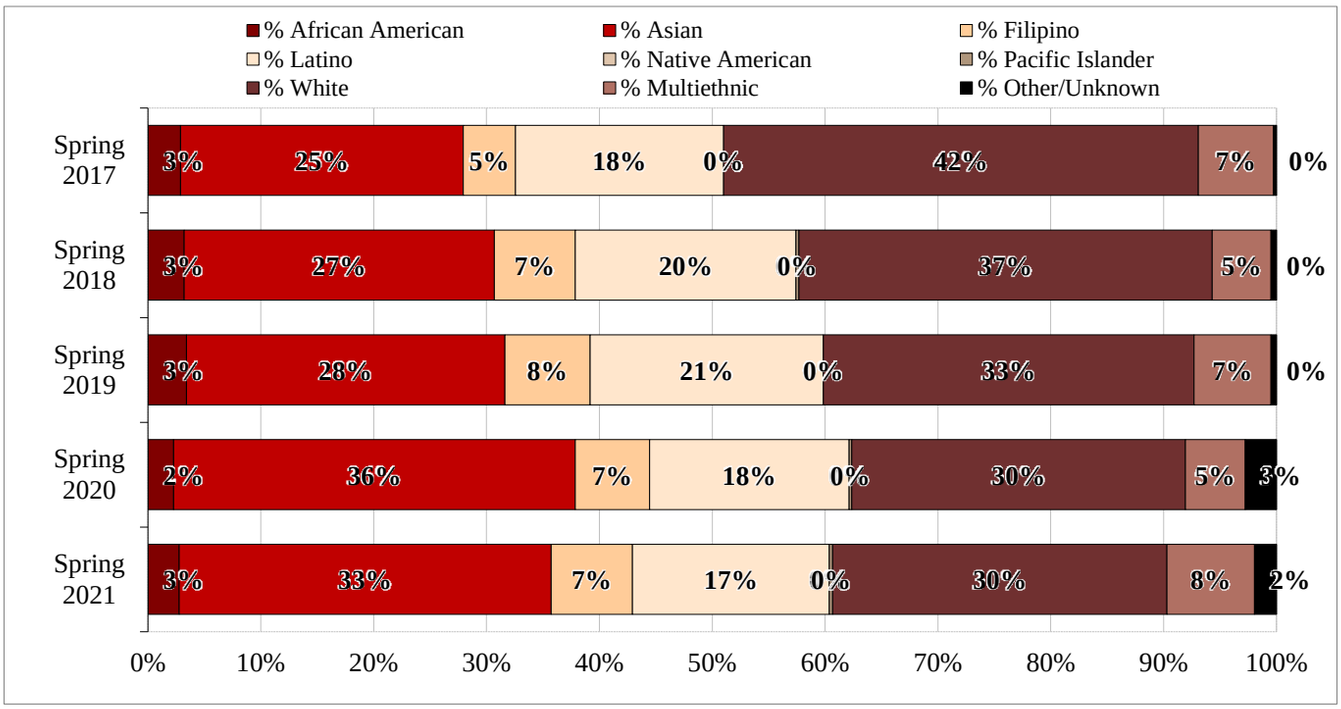
Student Demographics: Gender & Age

Computer Science (CS)	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Female	64	84	88	92	82
Male	276	313	319	295	269
19 yrs. or younger	112	143	164	167	166
20-21 yrs. old	87	102	104	77	77
22-24 yrs. old	65	68	44	63	42
25-29 yrs. old	47	45	59	45	39
30-39 yrs. old	22	29	23	28	23
40-49 yrs. old	8	10	13	13	9
50 yrs. or older	6	7	4	3	5
% Female	19%	21%	22%	24%	23%
% Male	81%	79%	78%	76%	77%
% 19 yrs. or younger	32%	35%	40%	42%	46%
% 20 - 21 yrs. old	25%	25%	25%	19%	21%
% 22 - 24 yrs. old	19%	17%	11%	16%	12%
% 25 - 29 yrs. old	14%	11%	14%	11%	11%
% 30 - 39 yrs. old	6%	7%	6%	7%	6%
% 40 - 49 yrs. old	2%	2%	3%	3%	2%
% 50 yrs. or older	2%	2%	1%	1%	1%



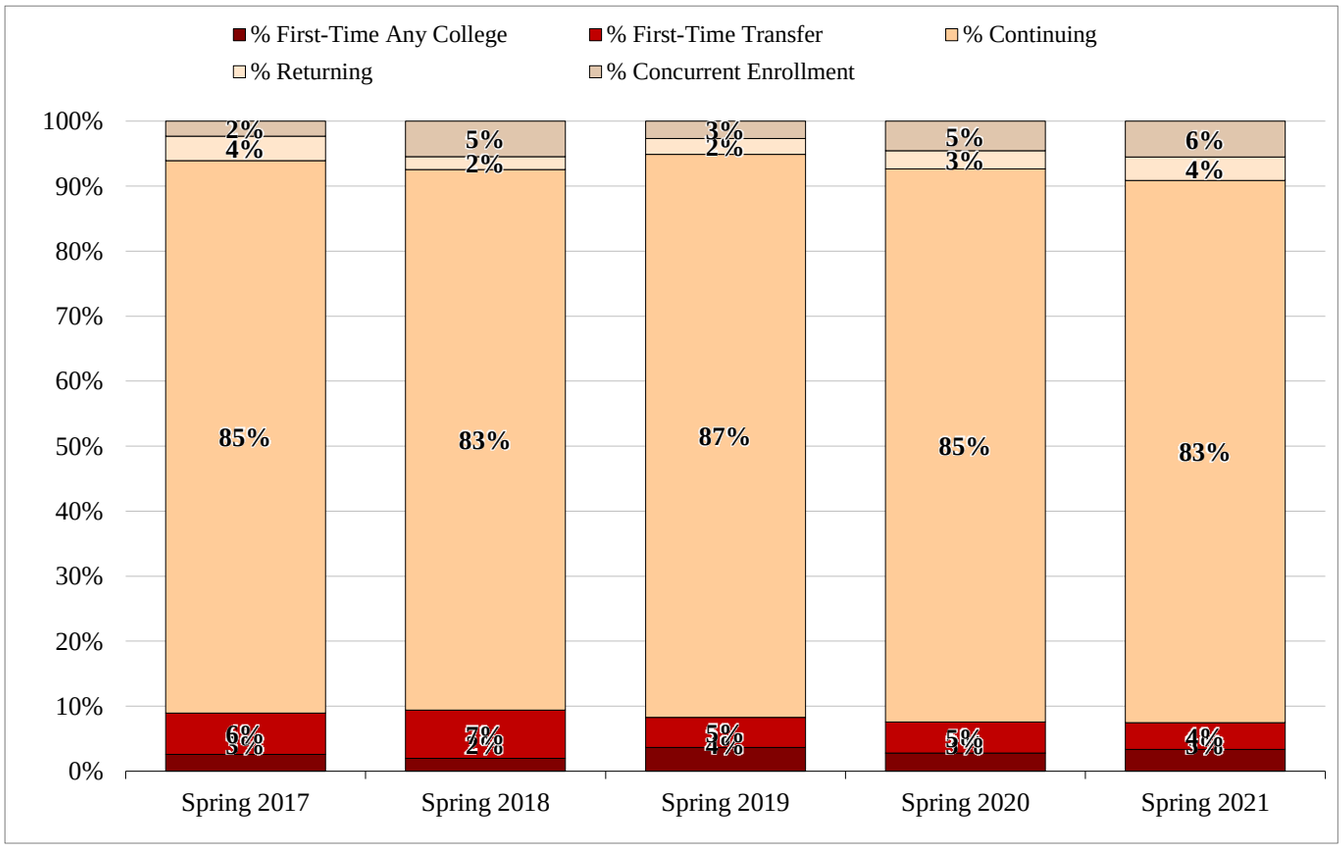
Student Demographic: Race-Ethnicity

Computer Science (CS)	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
African American	10	13	14	9	10
Asian	87	111	116	141	119
Filipino	16	29	31	26	26
Latino	64	79	85	70	63
Native American	0	0	0	0	0
Pacific Islander	0	1	0	1	1
White	146	148	135	117	107
Multiethnic	23	21	28	21	28
Other/Unknown	1	2	2	11	7
% African American	3%	3%	3%	2%	3%
% Asian	25%	27%	28%	36%	33%
% Filipino	5%	7%	8%	7%	7%
% Latino	18%	20%	21%	18%	17%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	0%	<1%	0%	<1%	<1%
% White	42%	37%	33%	30%	30%
% Multiethnic	7%	5%	7%	5%	8%
% Other/Unknown	<1%	0%	<1%	3%	2%



Student Enrollment Status

Computer Science (CS)	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
First-Time Any College	9	8	15	11	12
First-Time Transfer	22	30	19	19	15
Continuing	295	336	356	337	301
Returning	13	8	10	11	13
Concurrent Enrollment	8	22	11	18	20
% First-Time Any College	3%	2%	4%	3%	3%
% First-Time Transfer	6%	7%	5%	5%	4%
% Continuing	85%	83%	87%	85%	83%
% Returning	4%	2%	2%	3%	4%
% Concurrent Enrollment	2%	5%	3%	5%	6%



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.

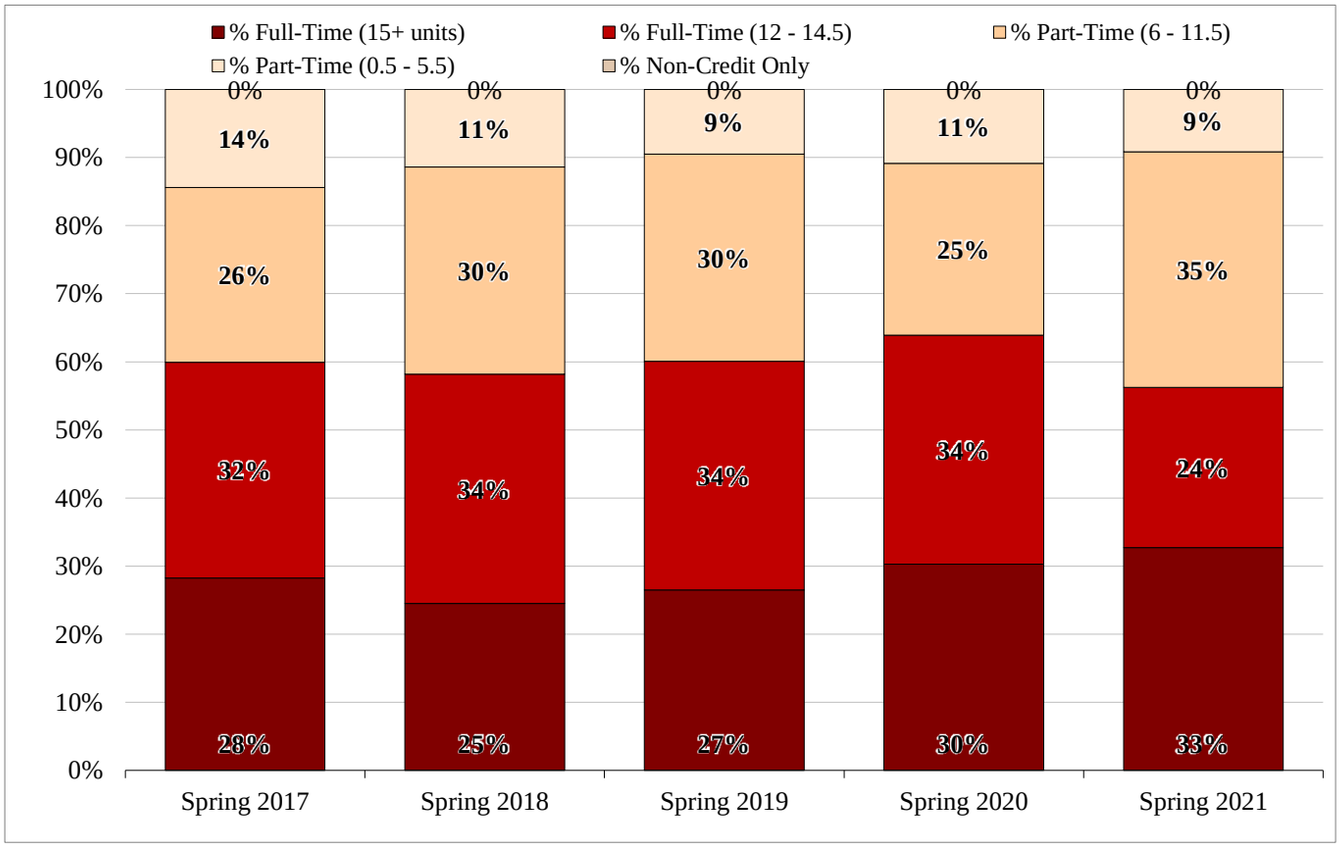
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

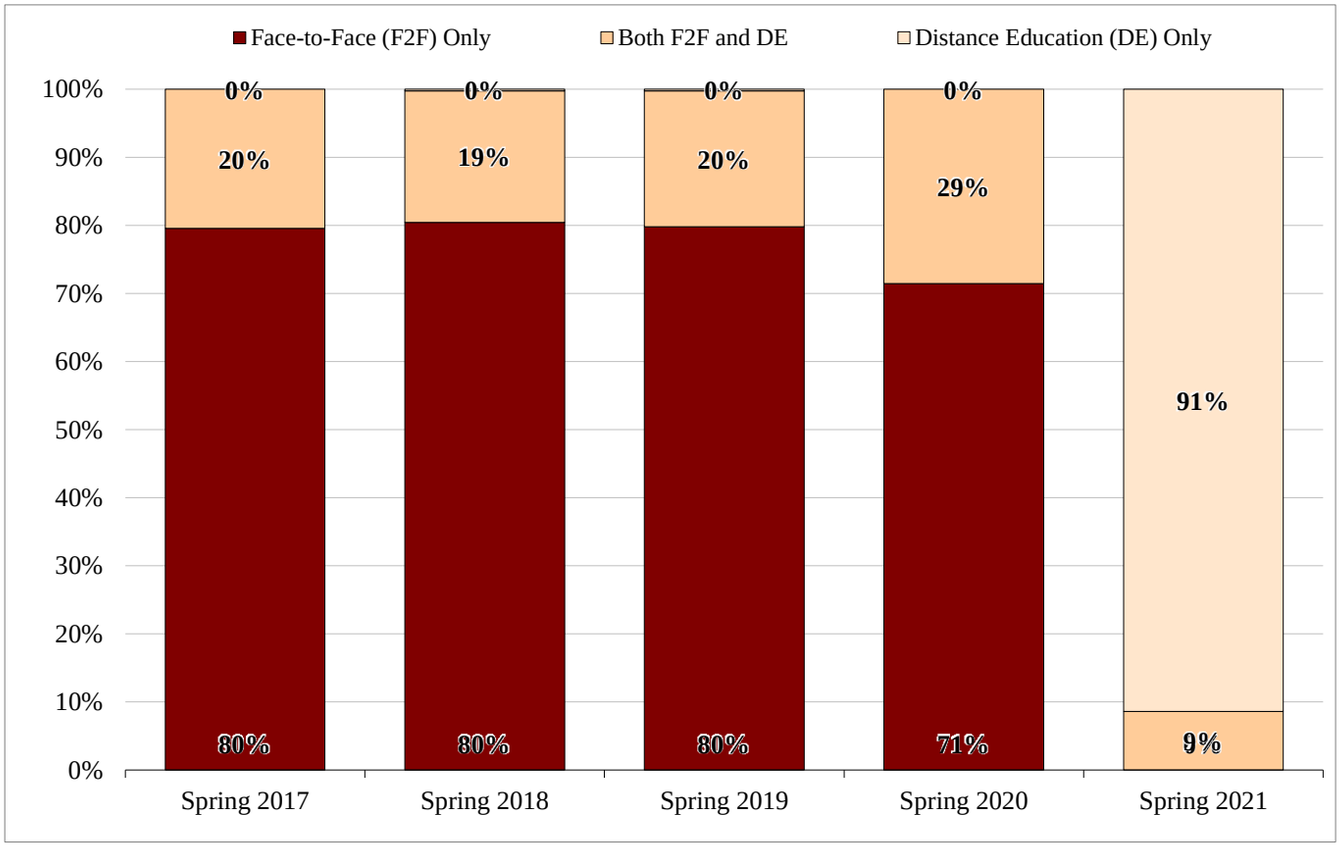
Student Unit Load

Computer Science (CS)	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Full-Time (15+ units)	98	99	109	120	118
Full-Time (12 - 14.5)	110	136	138	133	85
Part-Time (6 - 11.5)	89	123	125	100	125
Part-Time (0.5 - 5.5)	50	46	39	43	33
Non-Credit Only	0	0	0	0	0
% Full-Time (15+ units)	28%	25%	27%	30%	33%
% Full-Time (12 - 14.5)	32%	34%	34%	34%	24%
% Part-Time (6 - 11.5)	26%	30%	30%	25%	35%
% Part-Time (0.5 - 5.5)	14%	11%	9%	11%	9%
% Non-Credit Only	0%	0%	0%	0%	0%



Students Using Distance Education

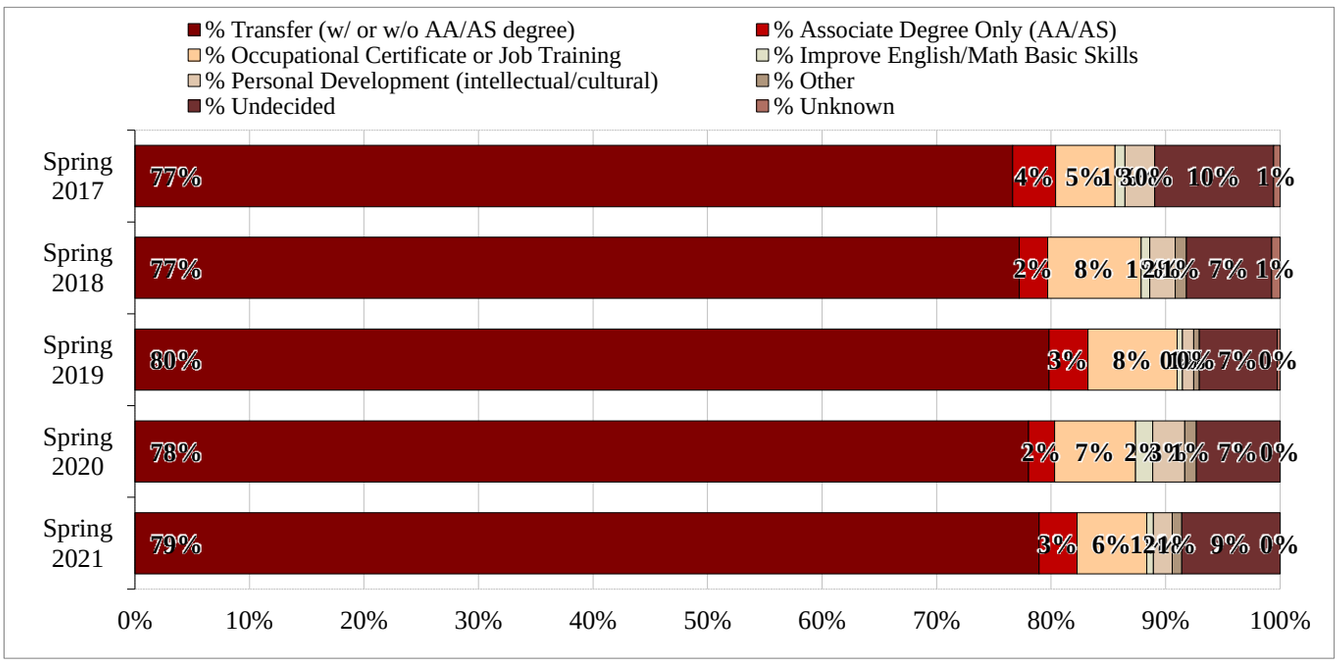
Computer Science (CS)					
	Term				
(Categories reflect college-wide coursework)	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Face-to-Face (F2F) Only	276	325	328	283	0
Both F2F and DE	71	78	82	113	31
Distance Education (DE) Only	0	1	1	0	330
% Face-to-Face (F2F) Only	80%	80%	80%	71%	0%
% Both F2F and DE	20%	19%	20%	29%	9%
% Distance Education (DE) Only	0%	<1%	<1%	0%	91%



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

Computer Science (CS)	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Transfer (w/ or w/o AA/AS degree)	266	312	328	309	285
Associate Degree Only (AA/AS)	13	10	14	9	12
Occupational Certificate or Job Training	18	33	32	28	22
Improve English/Math Basic Skills	3	3	2	6	2
Personal Development (intellectual/cultural)	9	9	4	11	6
Other	0	4	2	4	3
Undecided	36	30	28	29	31
Unknown	2	3	1	0	0
% Transfer (w/ or w/o AA/AS degree)	77%	77%	80%	78%	79%
% Associate Degree Only (AA/AS)	4%	2%	3%	2%	3%
% Occupational Certificate or Job Training	5%	8%	8%	7%	6%
% Improve English/Math Basic Skills	1%	1%	<1%	2%	1%
% Personal Development (intellectual/cultural)	3%	2%	1%	3%	2%
% Other	0%	1%	<1%	1%	1%
% Undecided	10%	7%	7%	7%	9%
% Unknown	1%	1%	<1%	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.

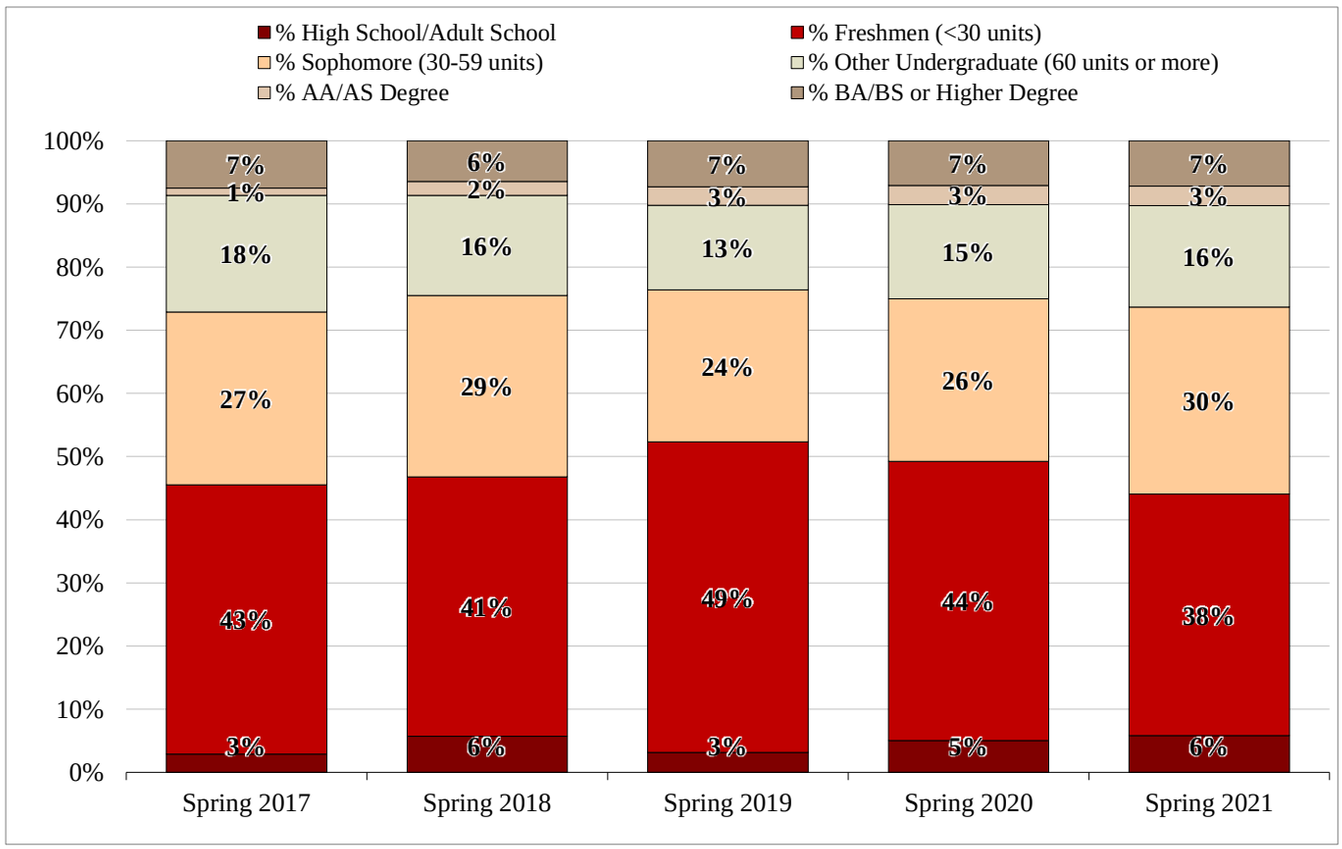
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

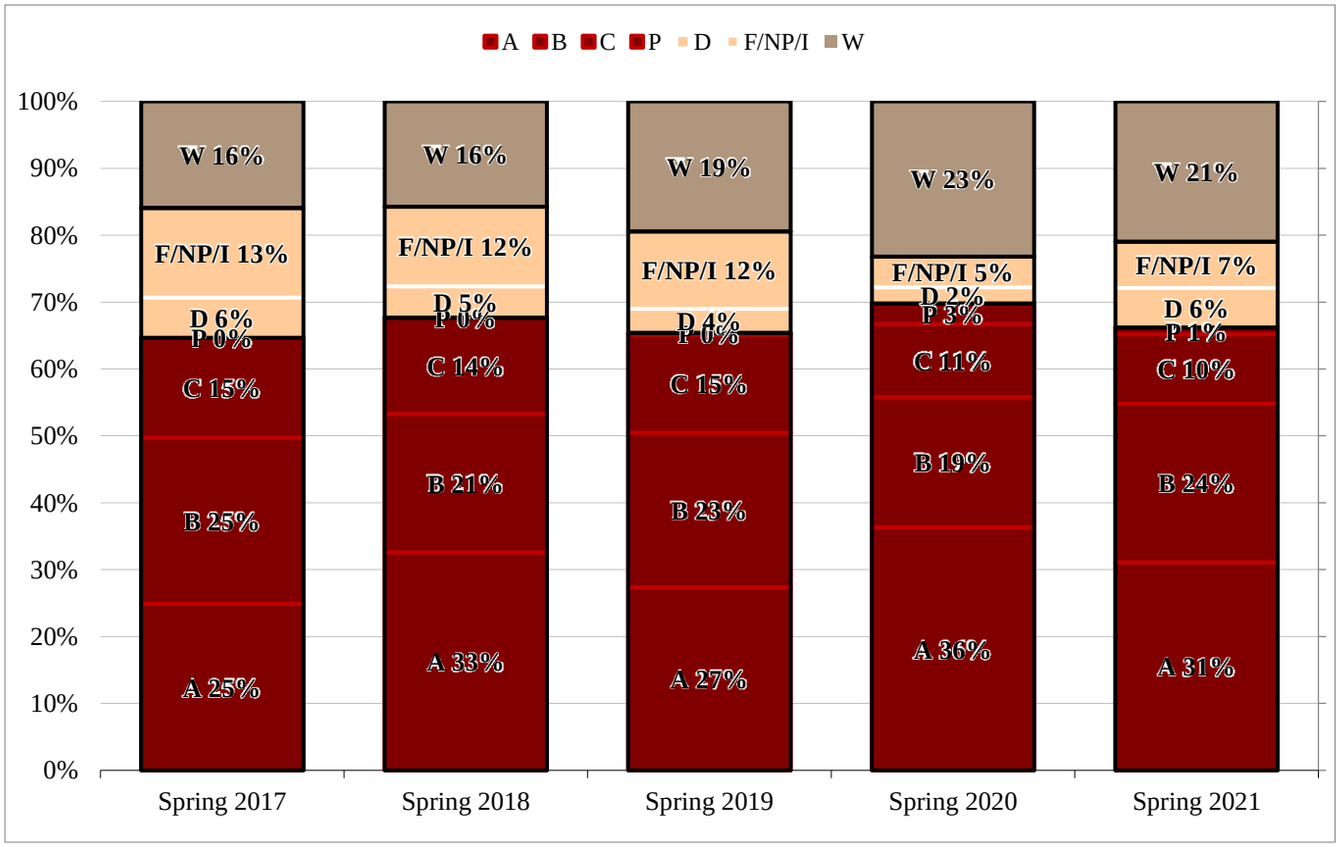
Highest Educational Level of Students

Computer Science (CS)	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
High School/Adult School	10	23	13	20	21
Freshmen (<30 units)	148	166	202	175	138
Sophomore (30-59 units)	95	116	99	102	107
Other Undergraduate (60 units or more)	64	64	55	59	58
AA/AS Degree	4	9	12	12	11
BA/BS or Higher Degree	26	26	30	28	26
% High School/Adult School	3%	6%	3%	5%	6%
% Freshmen (<30 units)	43%	41%	49%	44%	38%
% Sophomore (30-59 units)	27%	29%	24%	26%	30%
% Other Undergraduate (60 units or more)	18%	16%	13%	15%	16%
% AA/AS Degree	1%	2%	3%	3%	3%
% BA/BS or Higher Degree	7%	6%	7%	7%	7%



Student Performance: Grade Distribution

Computer Science (CS)	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Total Course Enrollments	**383**	**447**	**445**	**457**	**405**
Course Success Rates	**65%**	**68%**	**65%**	**70%**	**66%**
A	25%	33%	27%	36%	31%
B	25%	21%	23%	19%	24%
C	15%	14%	15%	11%	10%
P	0%	0%	<1%	3%	1%
Course Non-Success Rate	**19%**	**17%**	**15%**	**7%**	**13%**
D	6%	5%	4%	2%	6%
F*	13%	12%	12%	5%	7%
Withdrawals (See Note)	**16%**	**16%**	**19%**	**23%**	**21%**



Definitions:

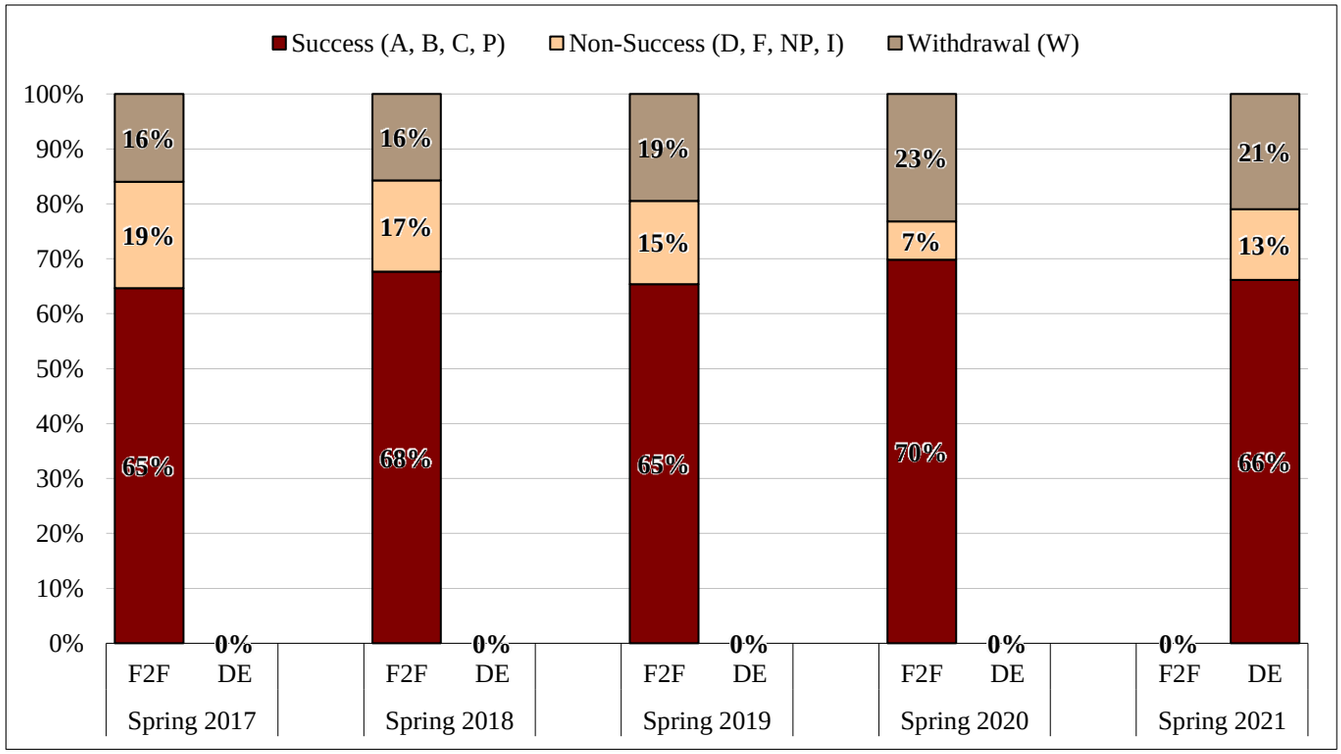
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

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 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Total Course Enrollments	**383**	**447**	**445**	**457**	**405**
Face-to-Face (F2F) Sections	**380**	**446**	**444**	**455**	**0**
Success Rates	65%	68%	65%	70%	—
Non-Success Rates	19%	17%	15%	7%	—
Withdrawals	16%	16%	19%	23%	—
Distance Education (DE) Sections	**3**	**1**	**1**	**2**	**405**
Success Rates	—	—	—	—	66%
Non-Success Rates	—	—	—	—	13%
Withdrawals	—	—	—	—	21%



Definitions:

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

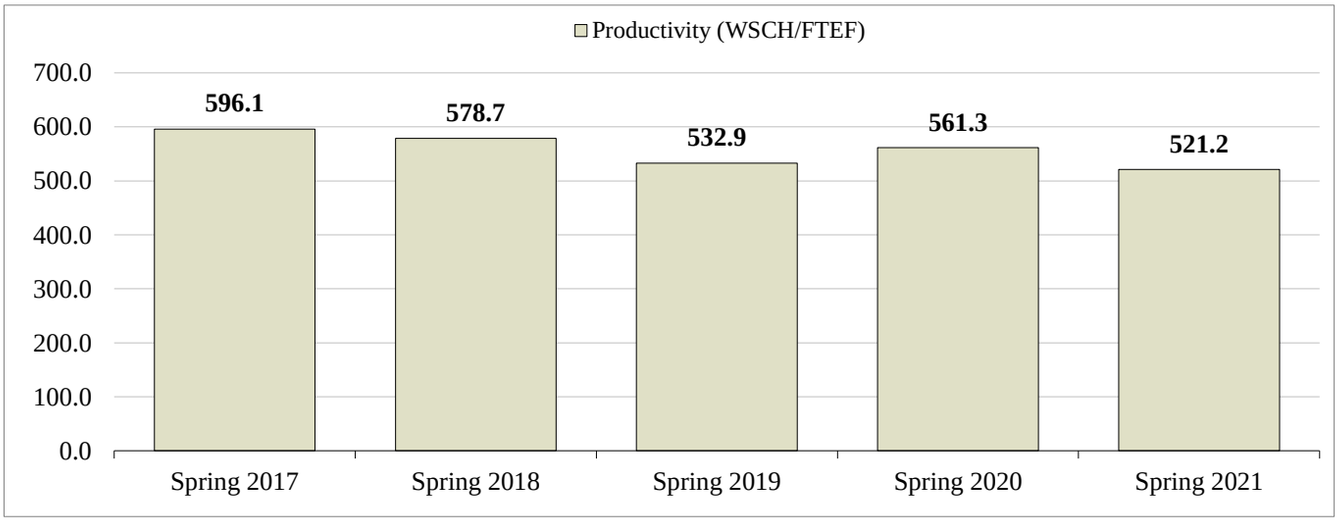
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'I', 'NCD', 'NCF', or 'NCNP'.

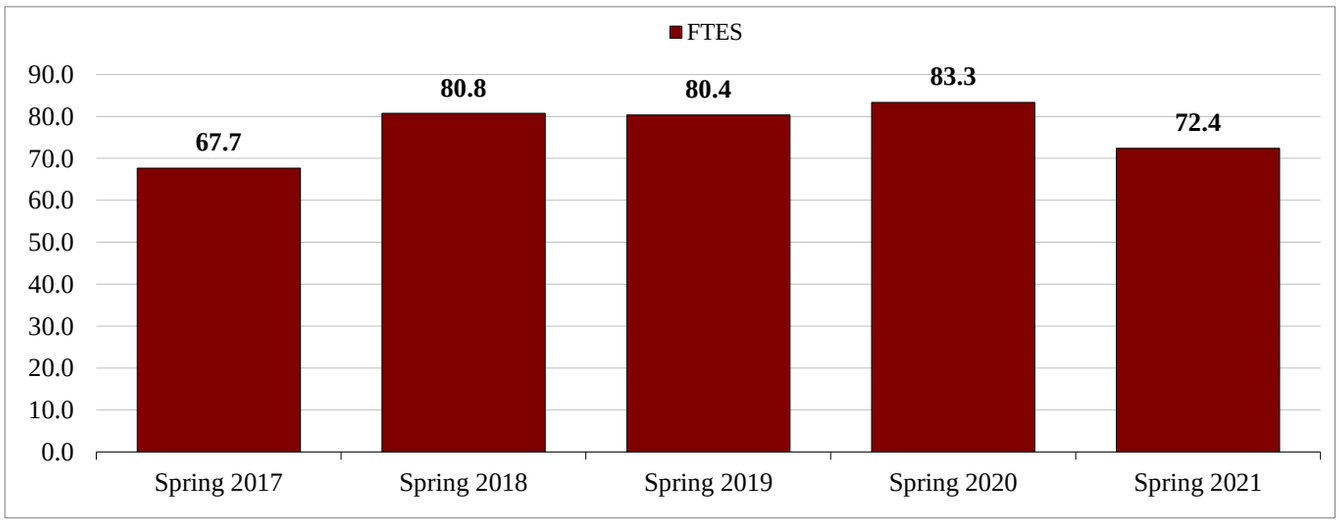
Withdrawals are the share of course enrollments resulting in (1) a grade notation of 'W', 'MW', or 'EW', or, (2) a course dropped due to COVID-19.

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 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
WSCH	2,165	2,570	2,553	2,605	2,258
FTES	67.7	80.8	80.4	83.3	72.4
FTEF	3.6	4.4	4.8	4.6	4.3
Productivity (WSCH/FTEF)	596.1	578.7	532.9	561.3	521.2





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.

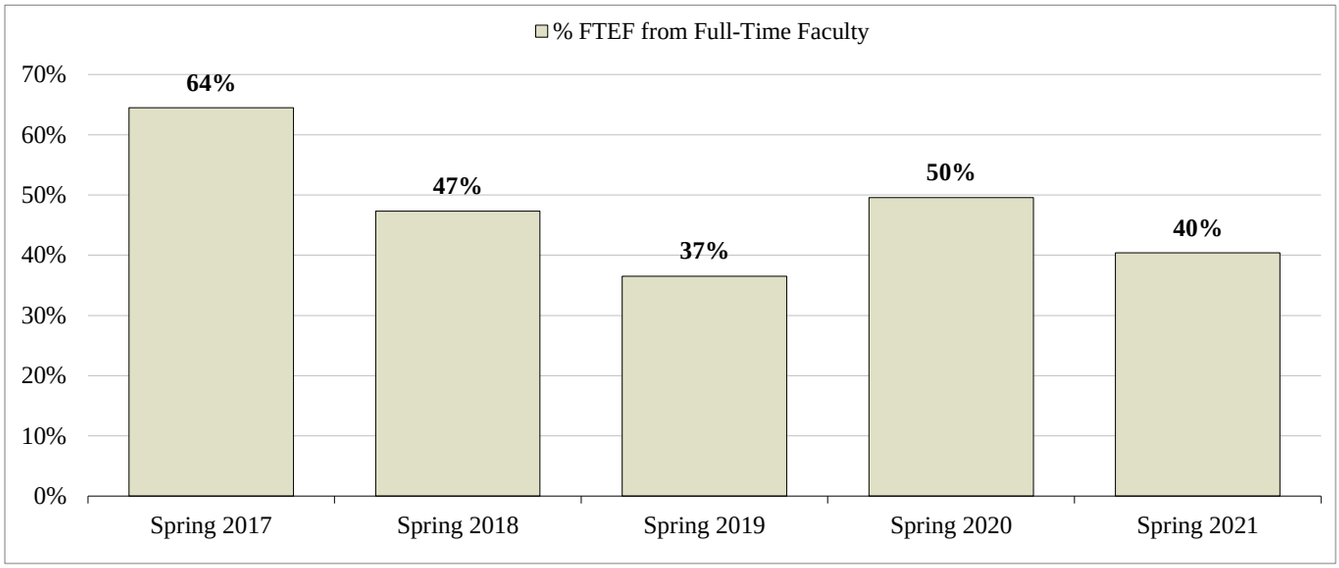
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

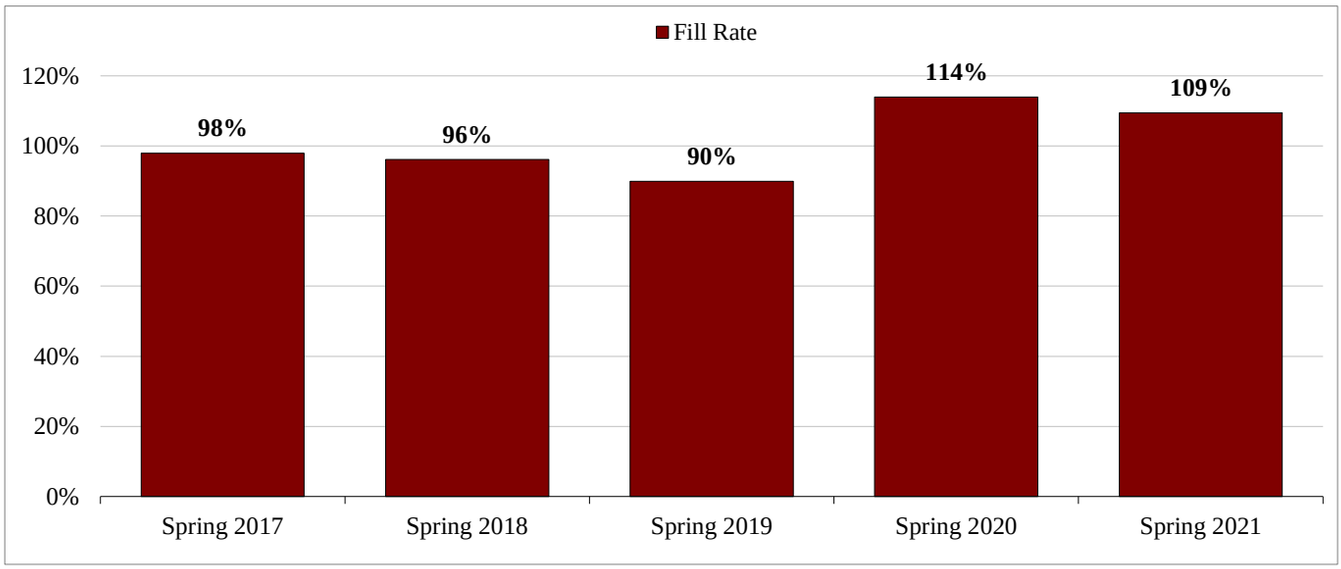
Productivity is the ratio of WSCH to FTEF and a standard measure of discipline efficiency.

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 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
FTEF from Full-Time Faculty	2.3	2.1	1.8	2.3	1.8
% FTEF from Full-Time Faculty	64%	47%	37%	50%	40%
Enrollments	383	447	445	457	405
Capacity (seats available)	391	465	495	401	370
Fill Rate	98%	96%	90%	114%	109%





Definitions:

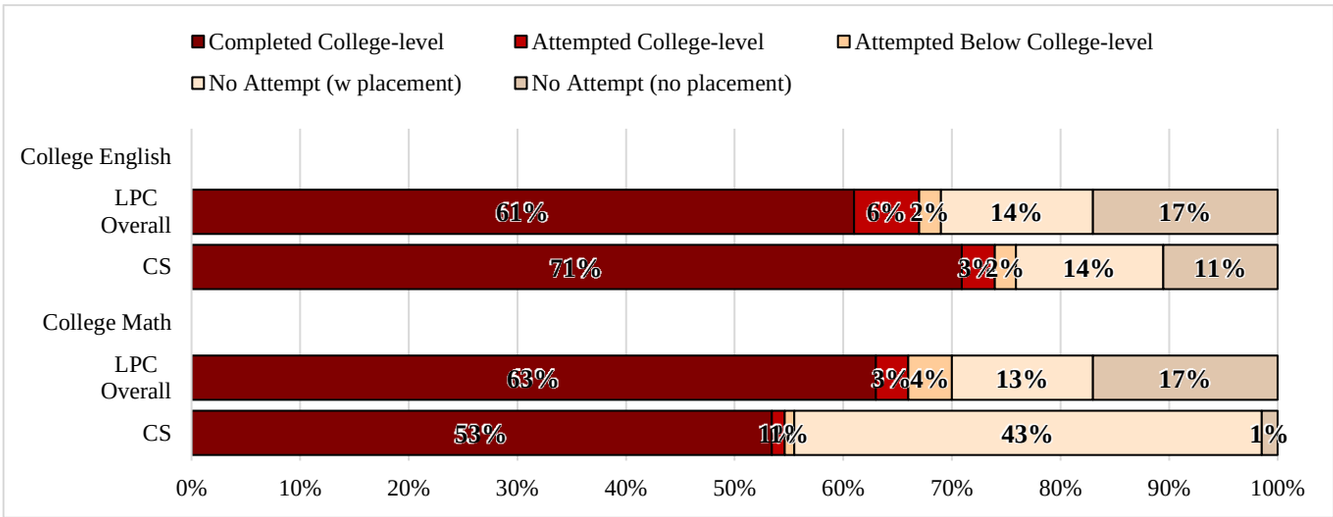
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 7/14/20.

Prior Experience in English & Math

Spring 2021	CS		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	256	71%	4,882	61%
Attempted College-level	11	3%	547	7%
Attempted Below College-level	7	2%	65	1%
No Prior Attempt (has placement)	49	14%	1,066	13%
No Prior Attempt (no placement)	38	11%	1,485	18%
College Math				
Completed College-level	180	53%	5,173	64%
Attempted College-level	4	1%	186	2%
Attempted Below College-level	3	1%	217	3%
No Prior Attempt (has placement)	145	43%	1,126	14%
No Prior Attempt (no placement)	5	1%	1,343	17%



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