



Las Positas College
Program Review Discipline Data Packet
Spring 2016 to Spring 2020

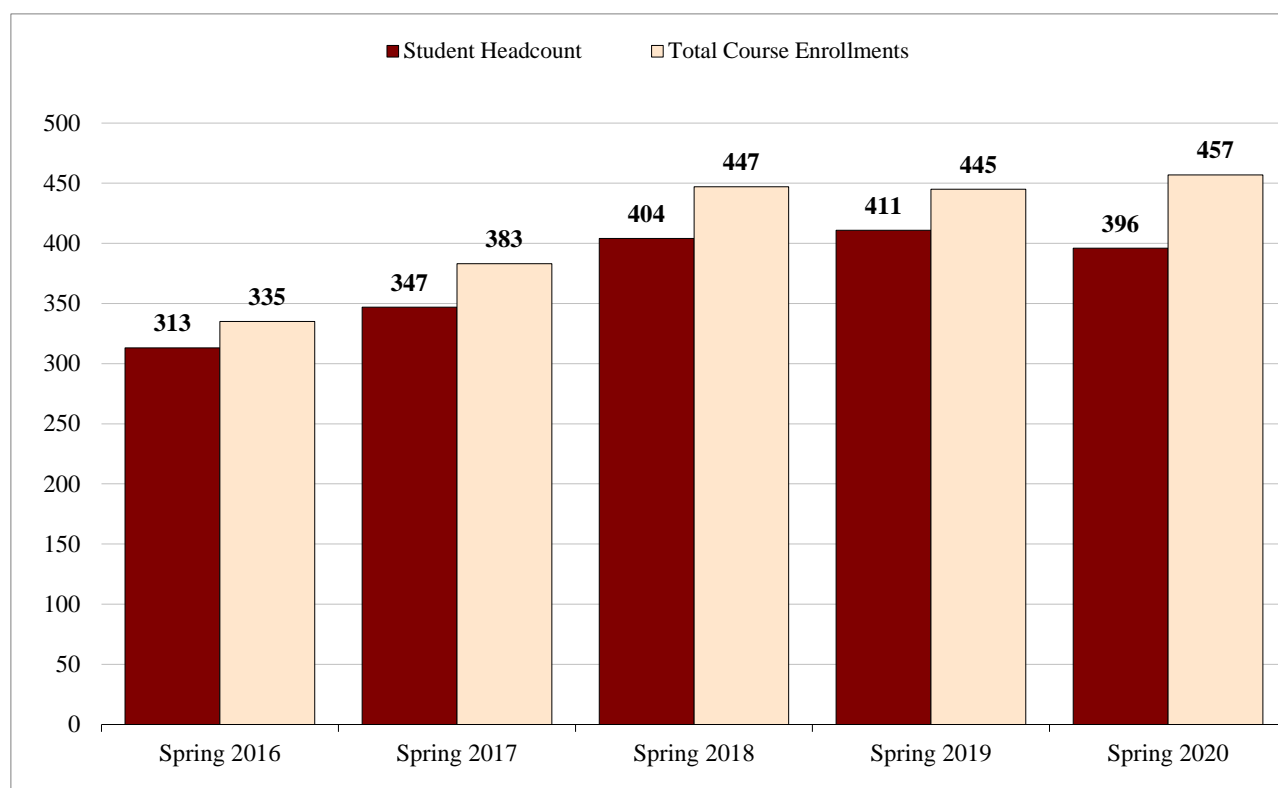
Discipline:
Computer Science (CS)

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NOTE: ^ next to rubric / subject code indicates that the report combines data for related credit and non-credit rubrics

Headcount & Enrollment

Computer Science (CS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Student Headcount	313	347	404	411	396
Total Course Enrollments	335	383	447	445	457



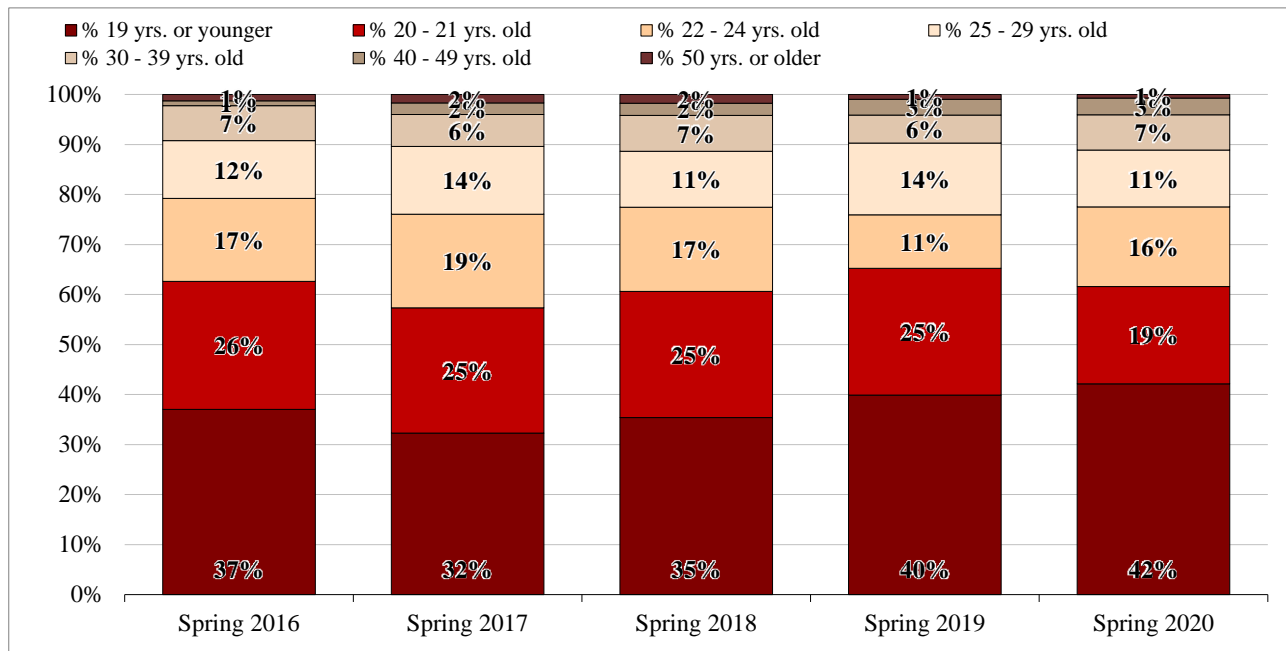
Definitions:

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.

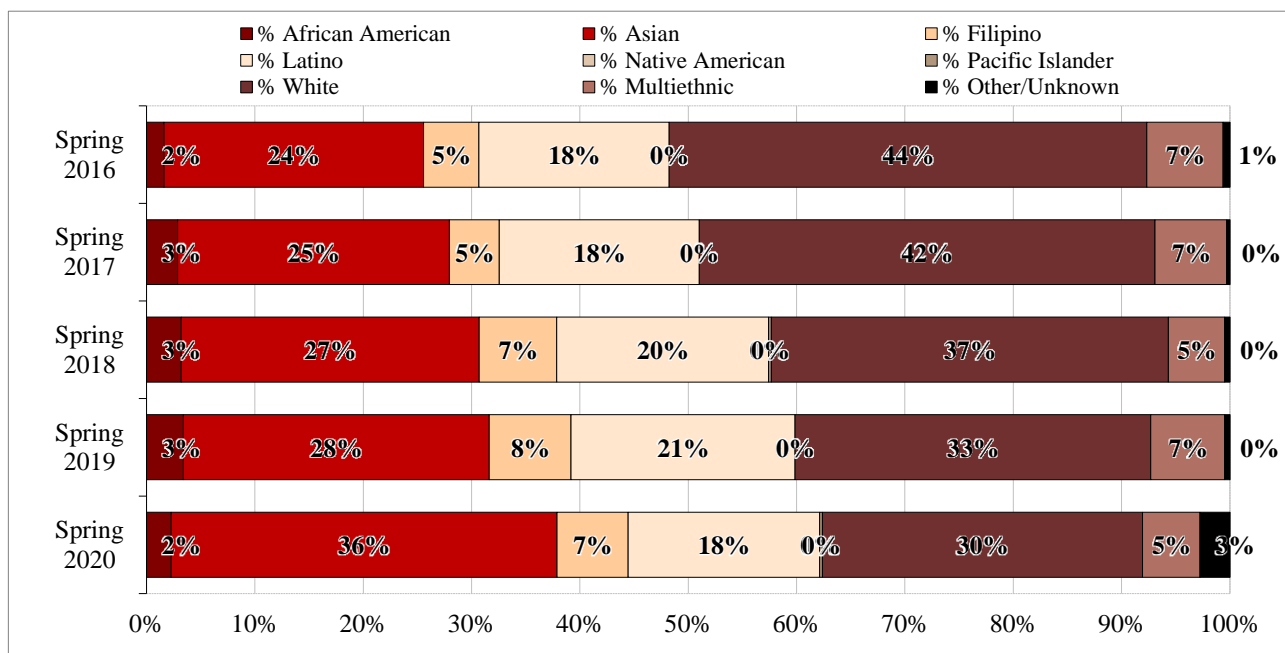
Student Demographics: Gender & Age

Computer Science (CS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Female	68	64	84	88	92
Male	243	276	313	319	295
19 yrs. or younger	116	112	143	164	167
20-21 yrs. old	80	87	102	104	77
22-24 yrs. old	52	65	68	44	63
25-29 yrs. old	36	47	45	59	45
30-39 yrs. old	22	22	29	23	28
40-49 yrs. old	3	8	10	13	13
50 yrs. or older	4	6	7	4	3
% Female	22%	19%	21%	22%	24%
% Male	78%	81%	79%	78%	76%
% 19 yrs. or younger	37%	32%	35%	40%	42%
% 20 - 21 yrs. old	26%	25%	25%	25%	19%
% 22 - 24 yrs. old	17%	19%	17%	11%	16%
% 25 - 29 yrs. old	12%	14%	11%	14%	11%
% 30 - 39 yrs. old	7%	6%	7%	6%	7%
% 40 - 49 yrs. old	1%	2%	2%	3%	3%
% 50 yrs. or older	1%	2%	2%	1%	1%



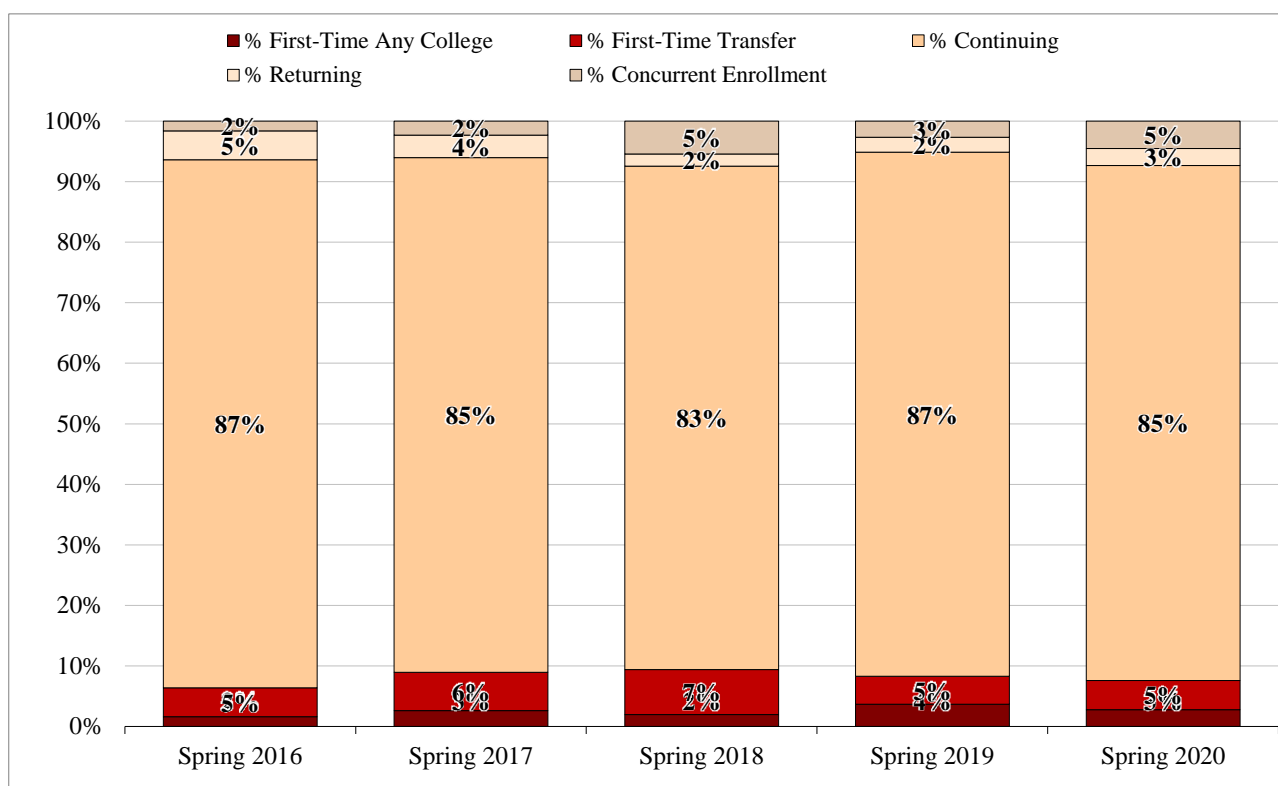
Student Demographic: Race-Ethnicity

Computer Science (CS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
African American	5	10	13	14	9
Asian	75	87	111	116	141
Filipino	16	16	29	31	26
Latino	55	64	79	85	70
Native American	0	0	0	0	0
Pacific Islander	0	0	1	0	1
White	138	146	148	135	117
Multiethnic	22	23	21	28	21
Other/Unknown	2	1	2	2	11
% African American	2%	3%	3%	3%	2%
% Asian	24%	25%	27%	28%	36%
% Filipino	5%	5%	7%	8%	7%
% Latino	18%	18%	20%	21%	18%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	0%	0%	<1%	0%	<1%
% White	44%	42%	37%	33%	30%
% Multiethnic	7%	7%	5%	7%	5%
% Other/Unknown	1%	<1%	0%	<1%	3%



Student Enrollment Status

Computer Science (CS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
First-Time Any College	5	9	8	15	11
First-Time Transfer	15	22	30	19	19
Continuing	273	295	336	356	337
Returning	15	13	8	10	11
Concurrent Enrollment	5	8	22	11	18
% First-Time Any College	2%	3%	2%	4%	3%
% First-Time Transfer	5%	6%	7%	5%	5%
% Continuing	87%	85%	83%	87%	85%
% Returning	5%	4%	2%	2%	3%
% Concurrent Enrollment	2%	2%	5%	3%	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.

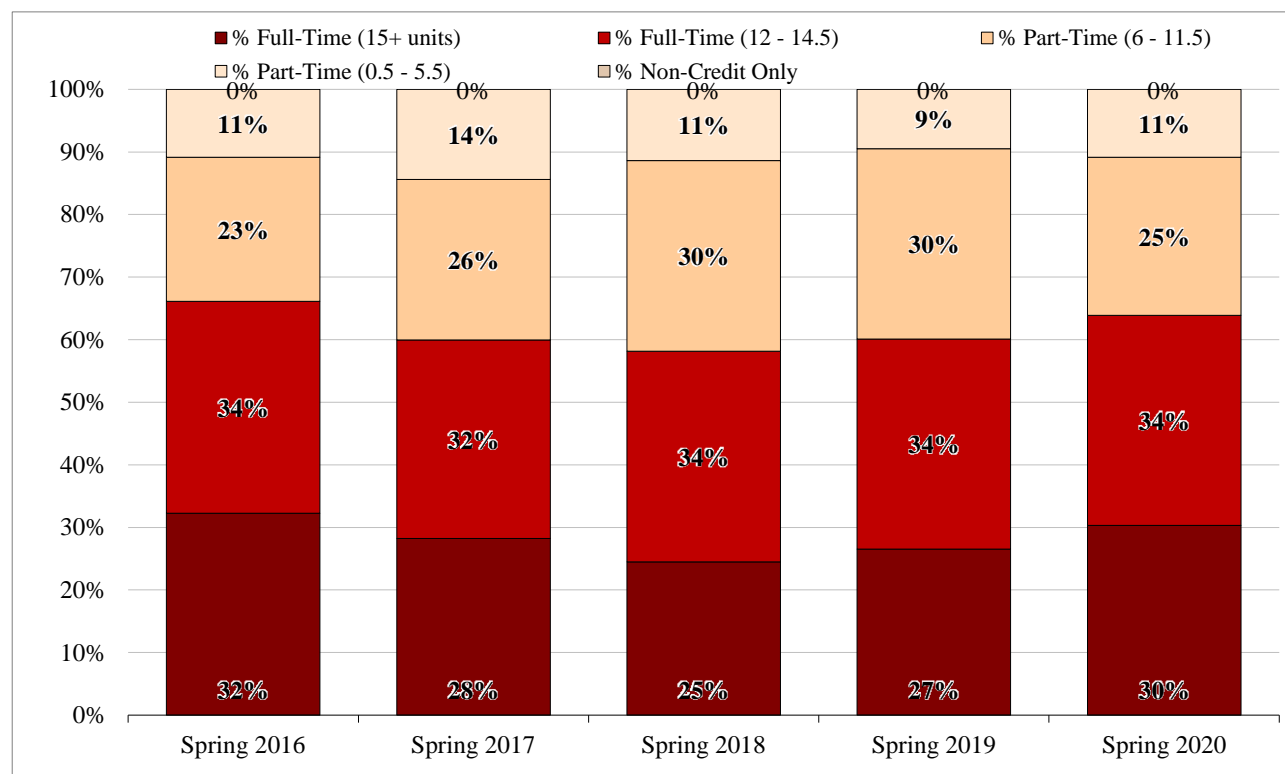
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

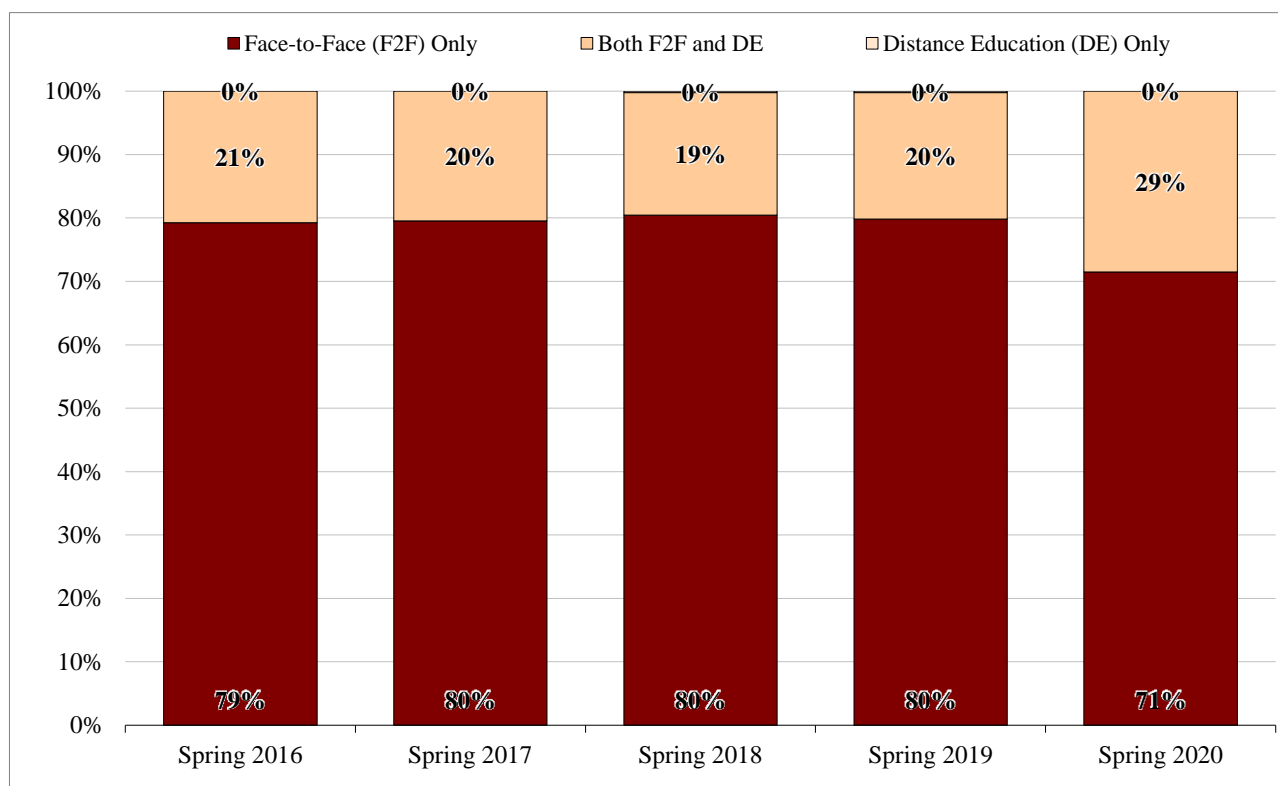
Student Unit Load

Computer Science (CS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Full-Time (15+ units)	101	98	99	109	120
Full-Time (12 - 14.5)	106	110	136	138	133
Part-Time (6 - 11.5)	72	89	123	125	100
Part-Time (0.5 - 5.5)	34	50	46	39	43
Non-Credit Only	0	0	0	0	0
% Full-Time (15+ units)	32%	28%	25%	27%	30%
% Full-Time (12 - 14.5)	34%	32%	34%	34%	34%
% Part-Time (6 - 11.5)	23%	26%	30%	30%	25%
% Part-Time (0.5 - 5.5)	11%	14%	11%	9%	11%
% Non-Credit Only	0%	0%	0%	0%	0%



Students Using Distance Education

Computer Science (CS)					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Face-to-Face (F2F) Only	248	276	325	328	283
Both F2F and DE	65	71	78	82	113
Distance Education (DE) Only	0	0	1	1	0
% Face-to-Face (F2F) Only	79%	80%	80%	80%	71%
% Both F2F and DE	21%	20%	19%	20%	29%
% Distance Education (DE) Only	0%	0%	<1%	<1%	0%

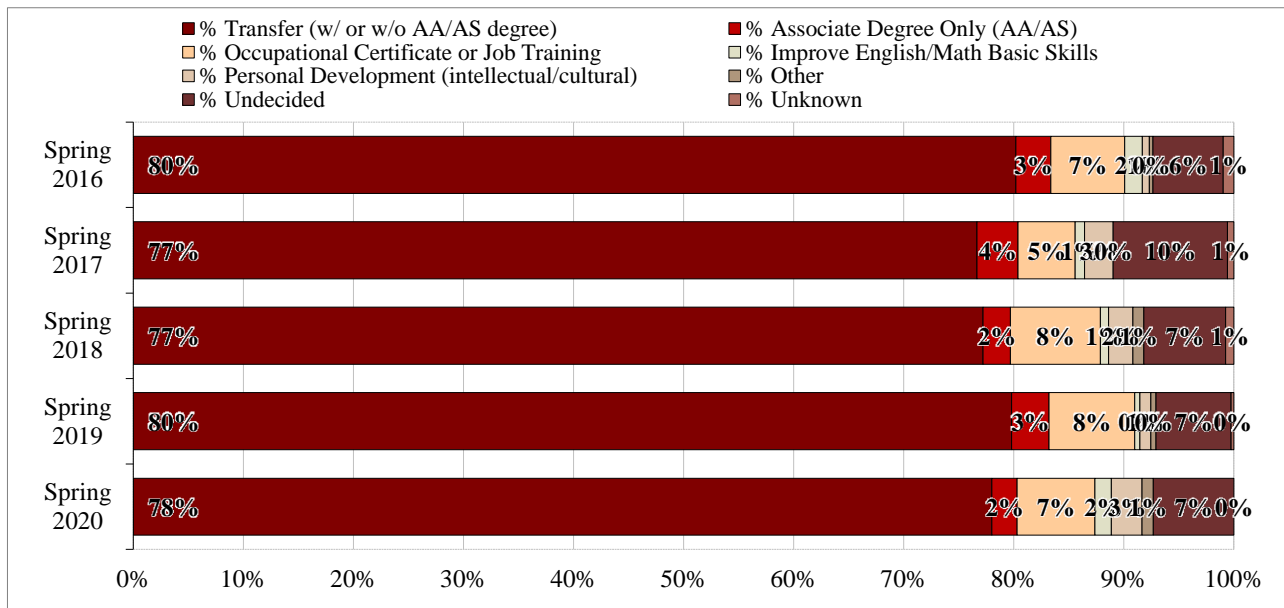


Definitions:

Distance Education (DE) includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'.

Student Educational Goal

Computer Science (CS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Transfer (w/ or w/o AA/AS degree)	251	266	312	328	309
Associate Degree Only (AA/AS)	10	13	10	14	9
Occupational Certificate or Job Training	21	18	33	32	28
Improve English/Math Basic Skills	5	3	3	2	6
Personal Development (intellectual/cultural)	2	9	9	4	11
Other	1	0	4	2	4
Undecided	20	36	30	28	29
Unknown	3	2	3	1	0
% Transfer (w/ or w/o AA/AS degree)	80%	77%	77%	80%	78%
% Associate Degree Only (AA/AS)	3%	4%	2%	3%	2%
% Occupational Certificate or Job Training	7%	5%	8%	8%	7%
% Improve English/Math Basic Skills	2%	1%	1%	<1%	2%
% Personal Development (intellectual/cultural)	1%	3%	2%	1%	3%
% Other	<1%	0%	1%	<1%	1%
% Undecided	6%	10%	7%	7%	7%
% Unknown	1%	1%	1%	<1%	0%



Definitions:

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

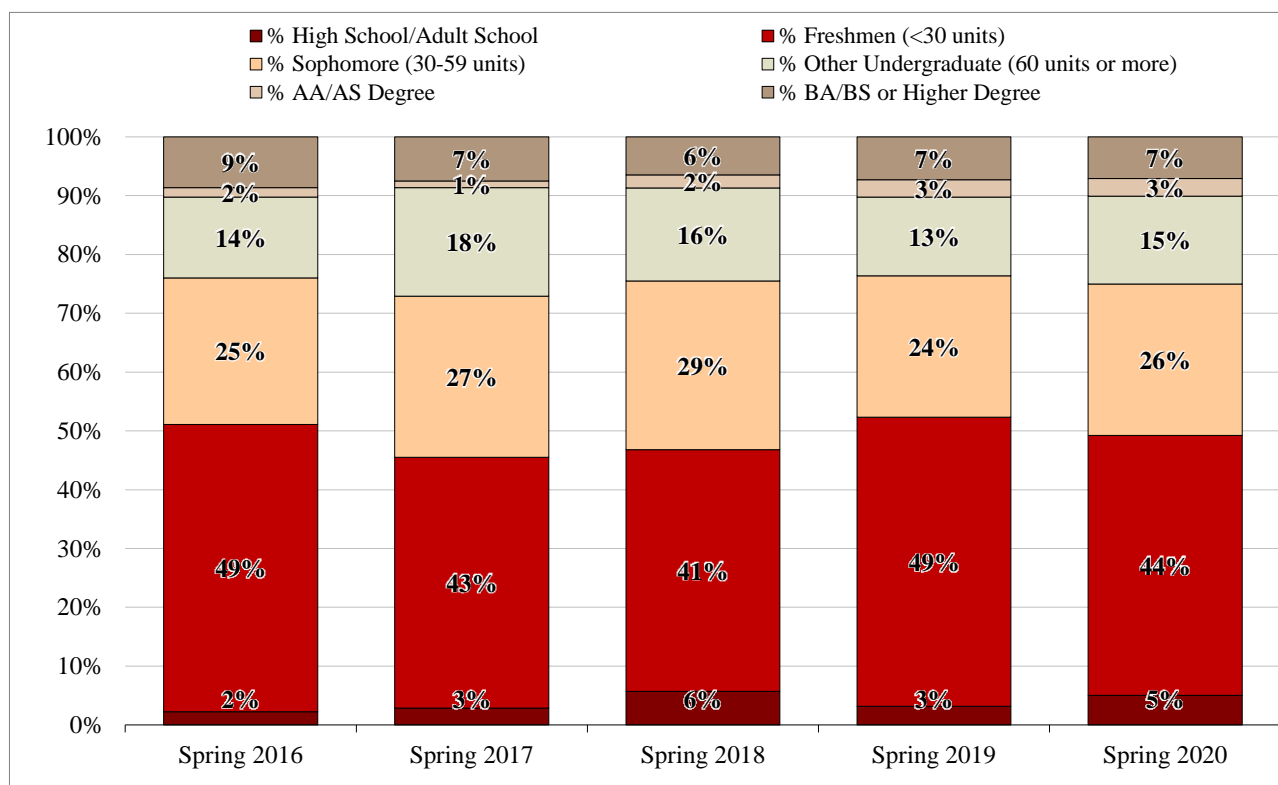
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

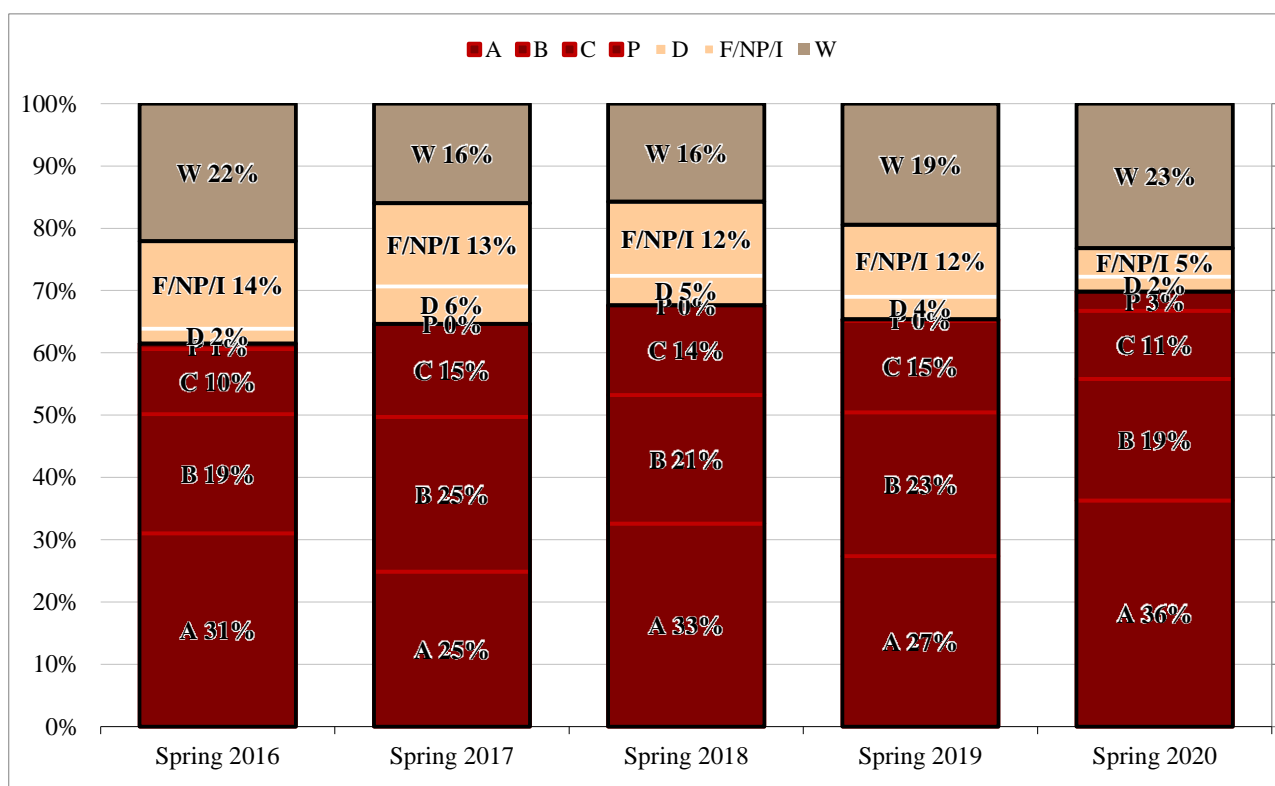
Highest Educational Level of Students

Computer Science (CS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
High School/Adult School	7	10	23	13	20
Freshmen (<30 units)	153	148	166	202	175
Sophomore (30-59 units)	78	95	116	99	102
Other Undergraduate (60 units or more)	43	64	64	55	59
AA/AS Degree	5	4	9	12	12
BA/BS or Higher Degree	27	26	26	30	28
% High School/Adult School	2%	3%	6%	3%	5%
% Freshmen (<30 units)	49%	43%	41%	49%	44%
% Sophomore (30-59 units)	25%	27%	29%	24%	26%
% Other Undergraduate (60 units or more)	14%	18%	16%	13%	15%
% AA/AS Degree	2%	1%	2%	3%	3%
% BA/BS or Higher Degree	9%	7%	6%	7%	7%



Student Performance: Grade Distribution

Computer Science (CS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Total Course Enrollments	335	383	447	445	457
Course Success Rates	61%	65%	68%	65%	70%
A	31%	25%	33%	27%	36%
B	19%	25%	21%	23%	19%
C	10%	15%	14%	15%	11%
P	1%	0%	0%	<1%	3%
Course Non-Success Rate	16%	19%	17%	15%	7%
D	2%	6%	5%	4%	2%
F/NP/I	14%	13%	12%	12%	5%
Withdrawals (W)	22%	16%	16%	19%	23%



Definitions:

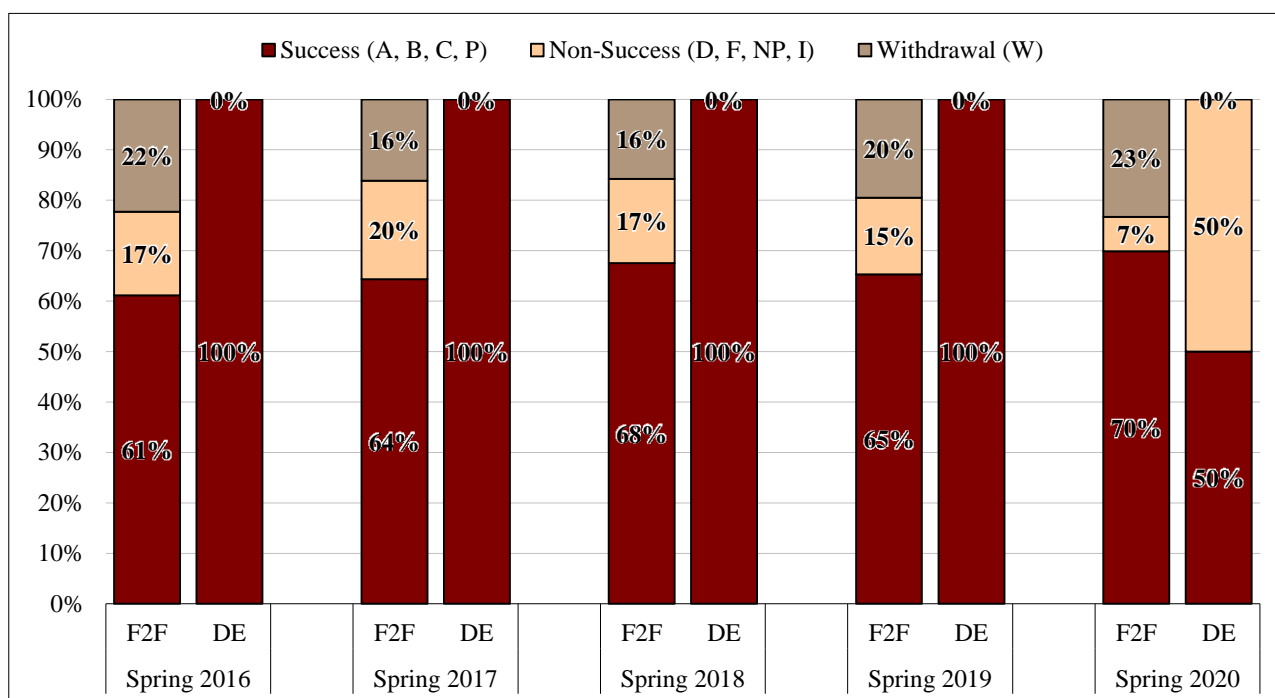
Course Success Rate is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

Course Non-Success Rate is the percentage of students receiving a grade of ('D', 'F', 'NP' or 'I') relative to all students receiving a grade.

Withdrawals is the percentage of students receiving a grade notation of 'W' relative to all students receiving a grade.

Student Performance: Distance Education

Computer Science (CS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Total Course Enrollments	335	383	447	445	457
Face-to-Face (F2F) Sections	332	380	446	444	455
Success Rates	61%	64%	68%	65%	70%
Non-Success Rates	17%	20%	17%	15%	7%
Withdrawals	22%	16%	16%	20%	23%
Distance Education (DE) Sections	3	3	1	1	2
Success Rates	100%	100%	100%	100%	50%
Non-Success Rates	0%	0%	0%	0%	50%
Withdrawals	0%	0%	0%	0%	0%



Definitions:

Course Success Rate is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

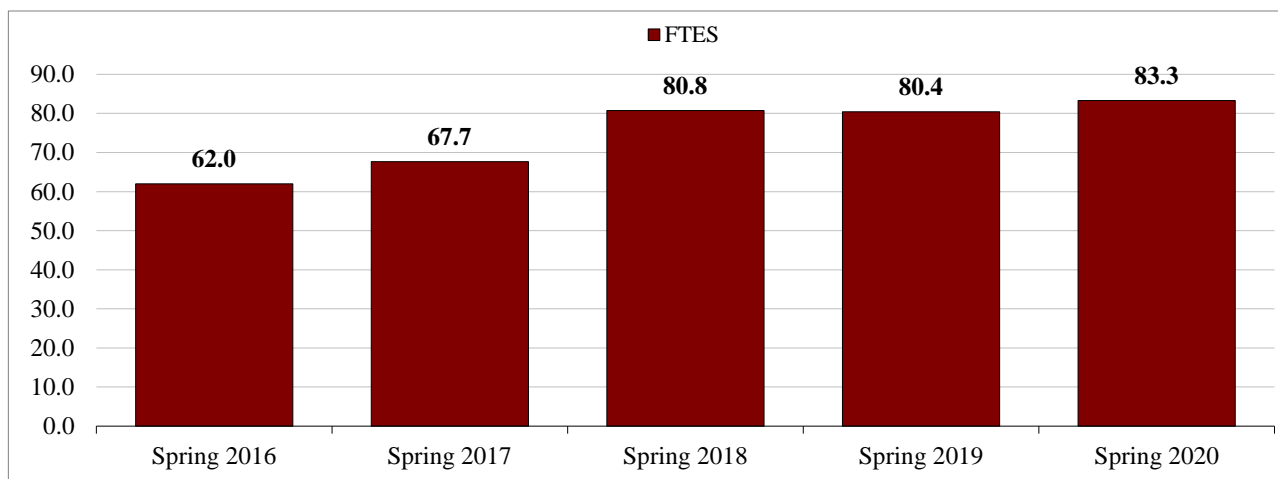
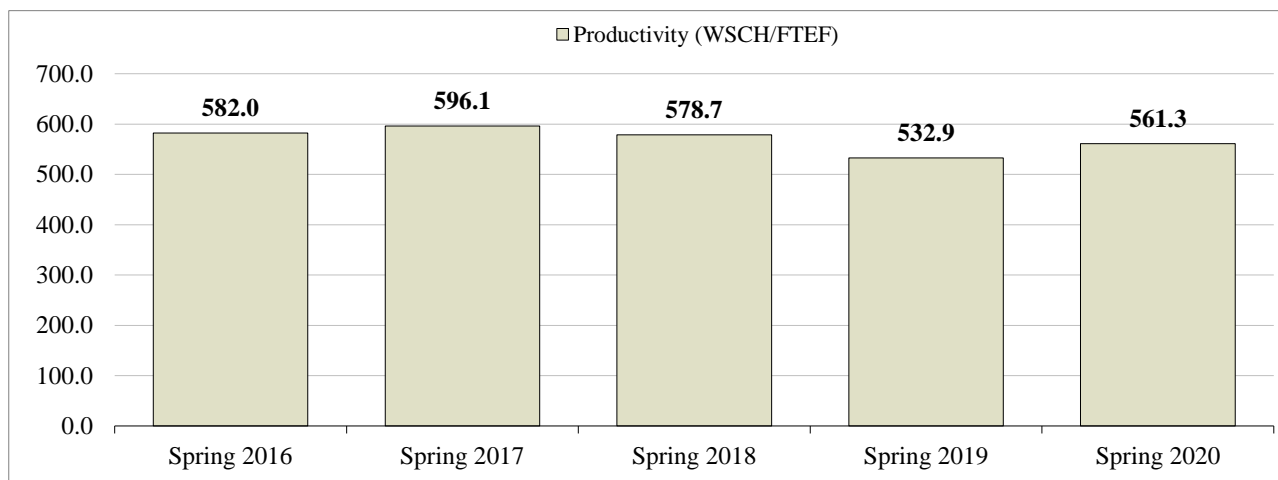
Course Non-Success Rate is the percentage of students receiving a grade of ('D', 'F', 'NP or 'T') relative to all students receiving a grade.

Withdrawals is the percentage of students receiving a grade notation of 'W' relative to all students receiving a grade.

Distance Education (DE) includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'.

Enrollment Management: Part 1

Computer Science (CS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
WSCH	1,910	2,165	2,570	2,553	2,605
FTES	62.0	67.7	80.8	80.4	83.3
FTEF	3.3	3.6	4.4	4.8	4.6
Productivity (WSCH/FTEF)	582.0	596.1	578.7	532.9	561.3



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.

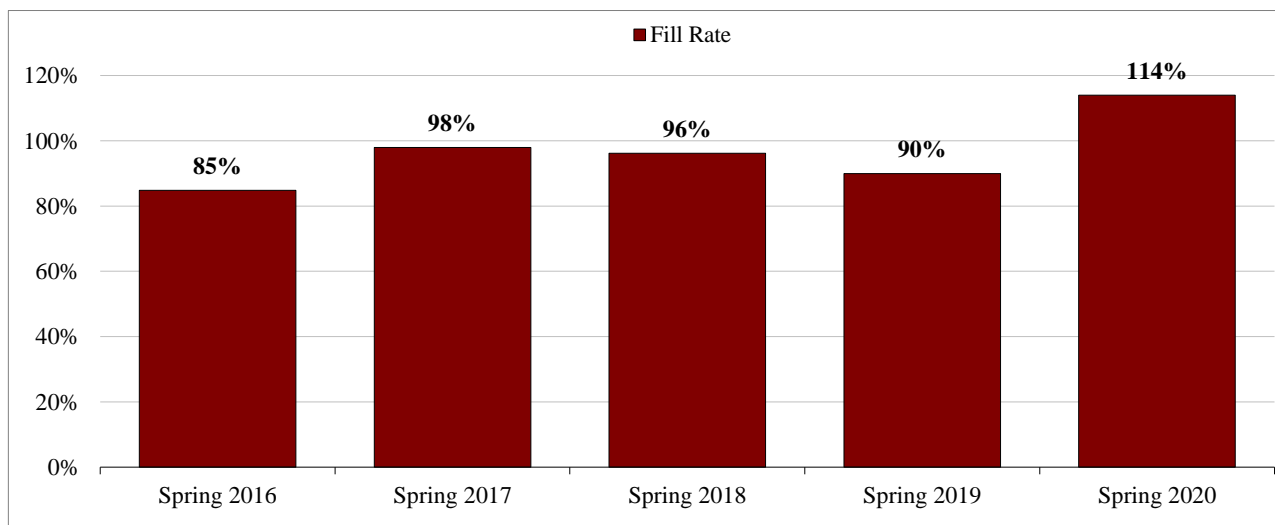
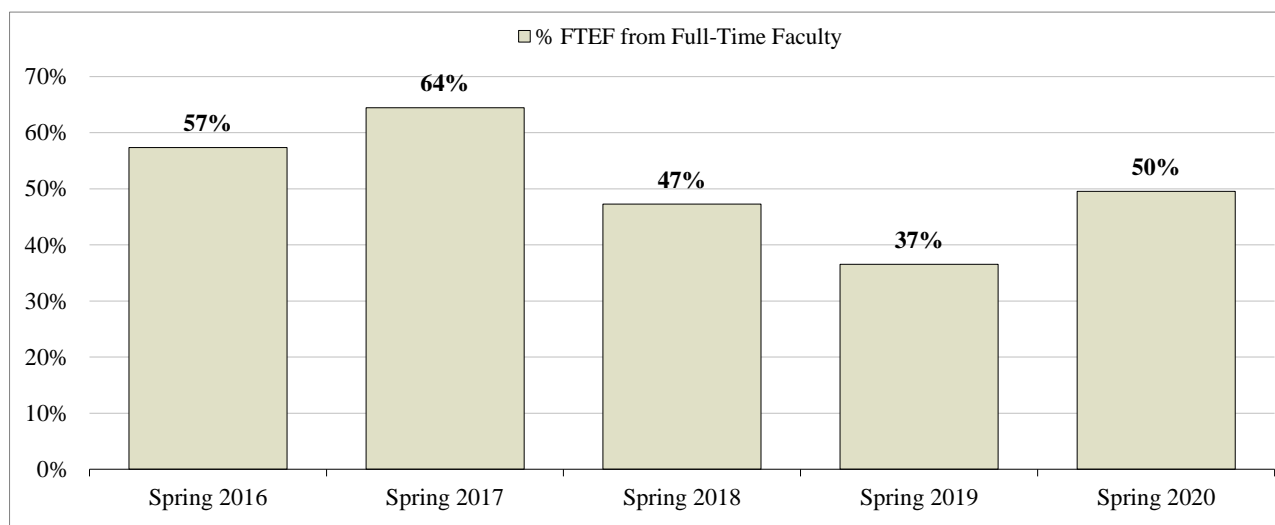
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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 7/14/20.

Enrollment Management: Part 2

Computer Science (CS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
FTEF from Full-Time Faculty	1.9	2.3	2.1	1.8	2.3
% FTEF from Full-Time Faculty	57%	64%	47%	37%	50%
Enrollments	335	383	447	445	457
Capacity (seats available)	395	391	465	495	401
Fill Rate	85%	98%	96%	90%	114%



Definitions:

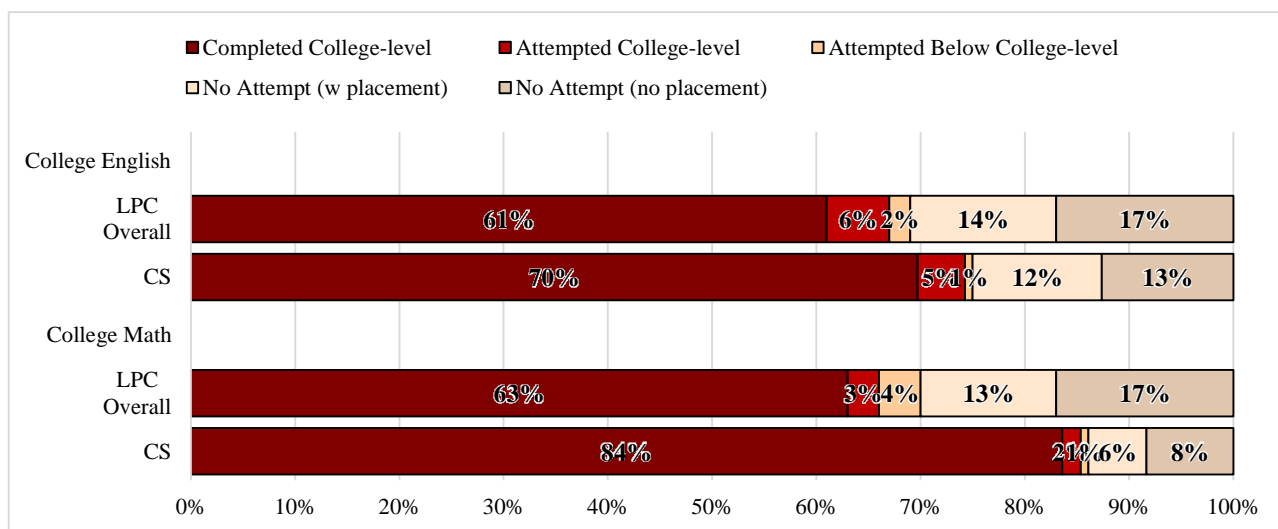
Fill Rate is number of enrollments over the total capacity (seats available).

% 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.

College Readiness: English & Math Proficiency

	Spring 2020			
	CS		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	276	70%	5,254	61%
Attempted College-level	18	5%	502	6%
Attempted Below College-level	3	1%	179	2%
No Attempt (with placement)	49	12%	1,175	14%
No Attempt (no placement)	50	13%	1,480	17%
College Math				
Completed College-level	331	84%	5,383	63%
Attempted College-level	7	2%	274	3%
Attempted Below College-level	3	1%	366	4%
No Attempt (with placement)	22	6%	1,134	13%
No Attempt (no placement)	33	8%	1,433	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 Attempt (w placement) = no previous English enrollments within the sequence but has used a placement tool.

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

College Math:

Completed College-level = successfully 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 Attempt (w placement) = no previous Math enrollments within the sequence but has used a placement tool.

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