Las Positas College

Program Review Discipline Data Packet

Fall 2015 to Fall 2019

Discipline:

Computer Science (CS)

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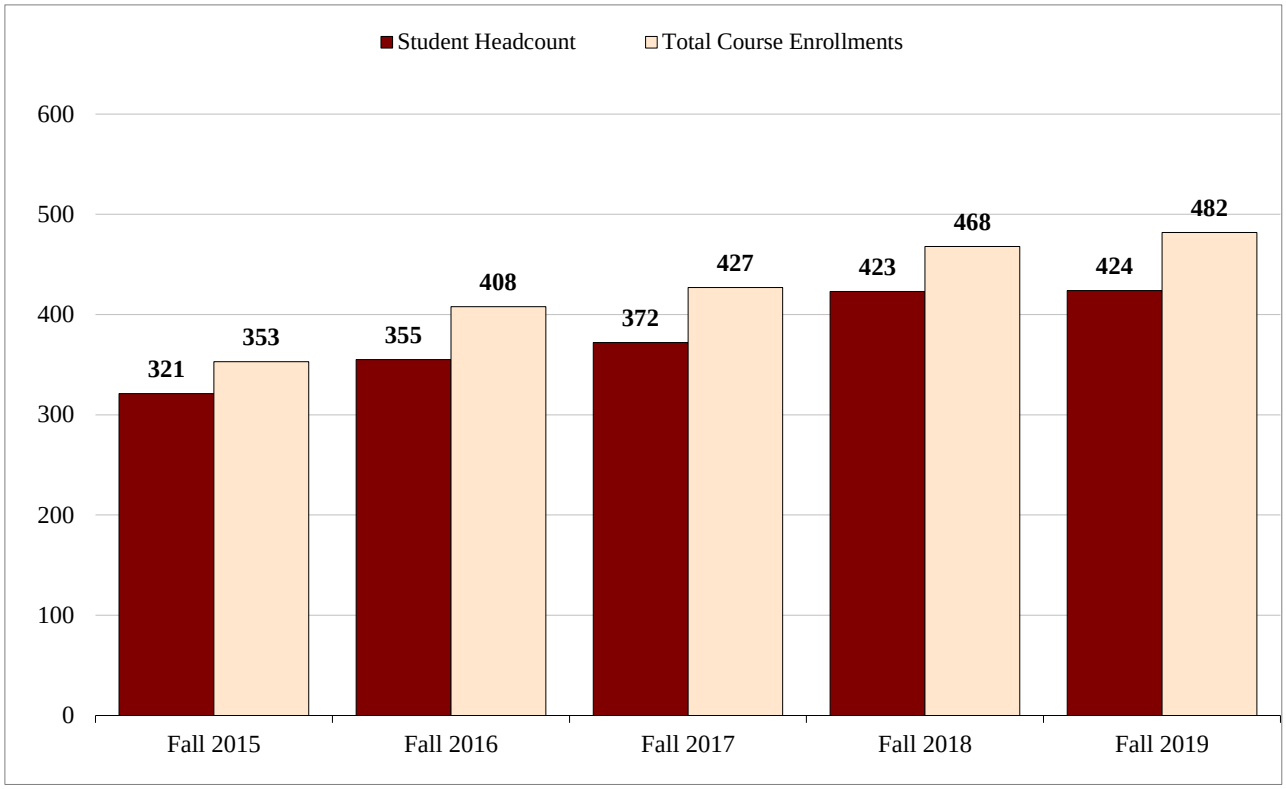
NOTE: ^ next to rubric / subject code indicates that the report combines data for related credit and non-credit rubrics

Headcount & Enrollment

Computer Science (CS)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Student Headcount	321	355	372	423	424
Total Course Enrollments	353	408	427	468	482



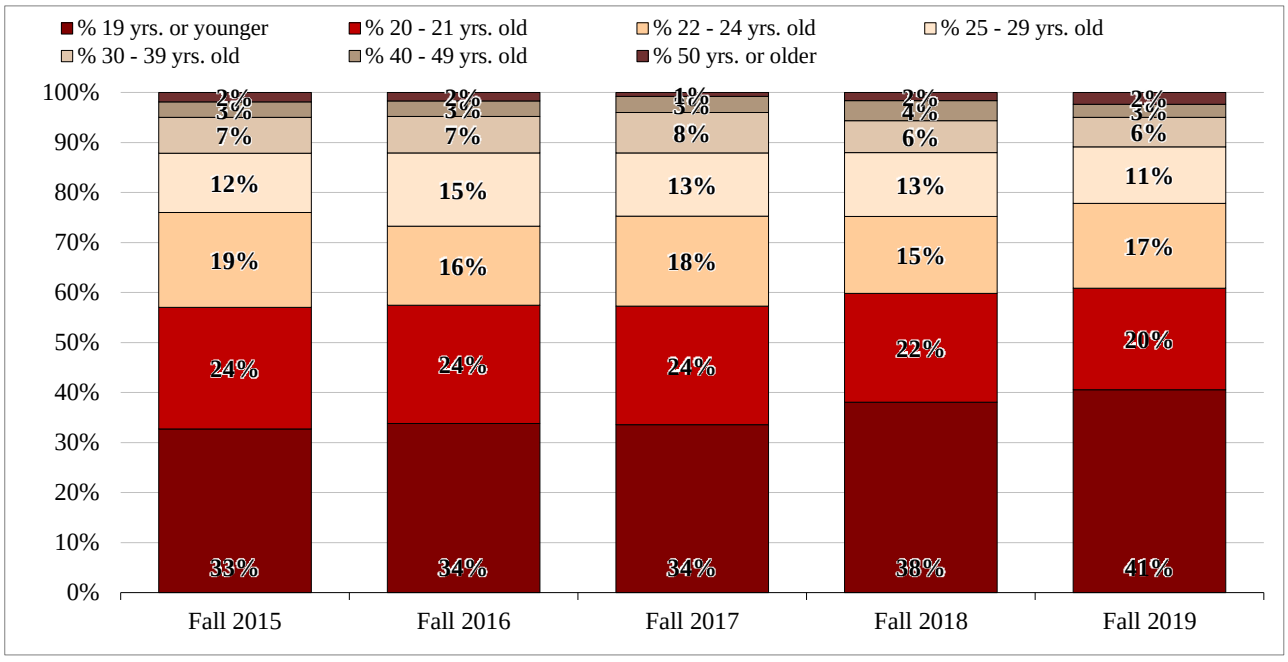
Definitions:

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.

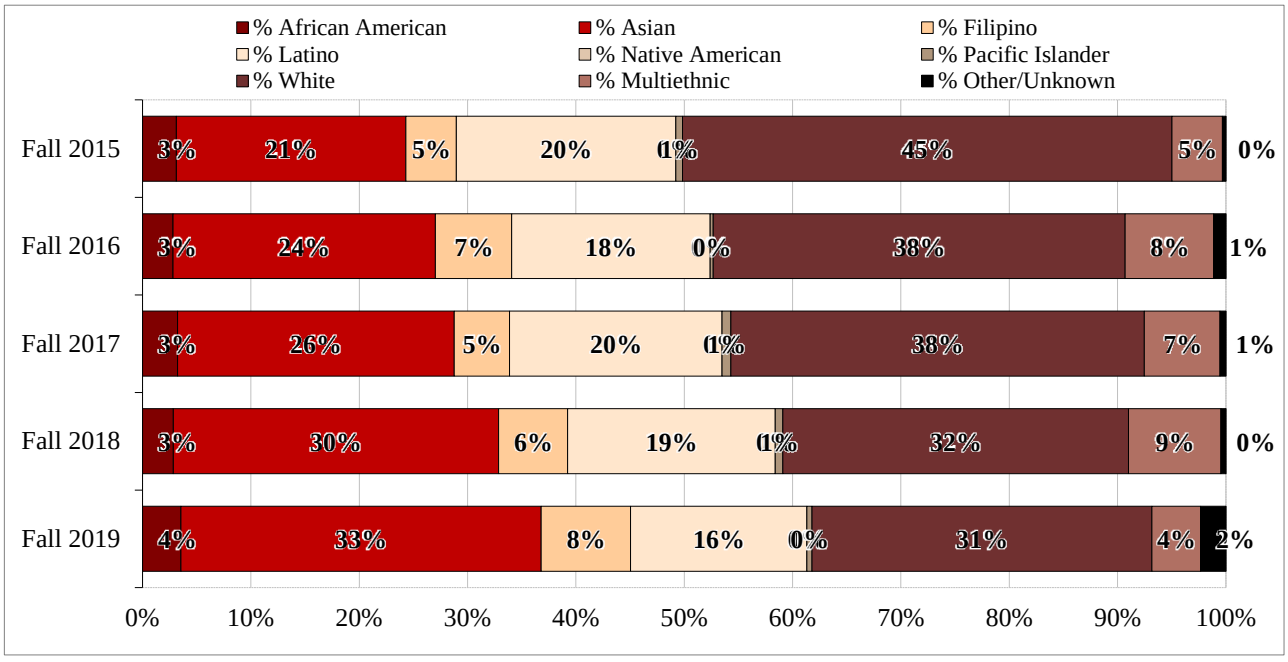
Student Demographics: Gender & Age

Computer Science (CS)	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Female	51	79	80	89	91
Male	268	269	283	327	326
19 yrs. or younger	105	120	125	161	172
20-21 yrs. old	78	84	88	92	86
22-24 yrs. old	61	56	67	65	72
25-29 yrs. old	38	52	47	54	48
30-39 yrs. old	23	26	30	27	25
40-49 yrs. old	10	11	12	17	11
50 yrs. or older	6	6	3	7	10
% Female	16%	23%	22%	21%	22%
% Male	84%	77%	78%	79%	78%
% 19 yrs. or younger	33%	34%	34%	38%	41%
% 20 - 21 yrs. old	24%	24%	24%	22%	20%
% 22 - 24 yrs. old	19%	16%	18%	15%	17%
% 25 - 29 yrs. old	12%	15%	13%	13%	11%
% 30 - 39 yrs. old	7%	7%	8%	6%	6%
% 40 - 49 yrs. old	3%	3%	3%	4%	3%
% 50 yrs. or older	2%	2%	1%	2%	2%



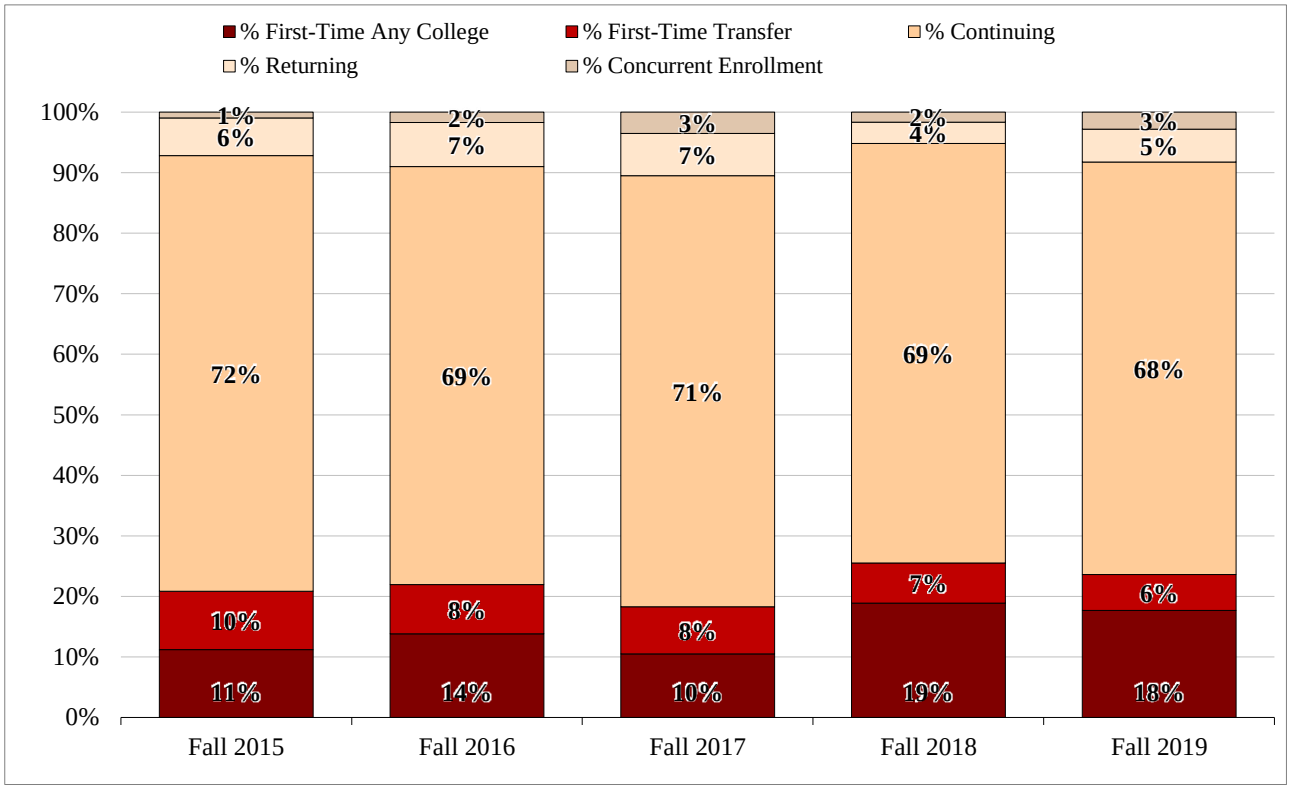
Student Demographic: Race-Ethnicity

Computer Science (CS)	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
African American	10	10	12	12	15
Asian	68	86	95	127	141
Filipino	15	25	19	27	35
Latino	65	65	73	81	69
Native American	0	0	0	0	0
Pacific Islander	2	1	3	3	2
White	145	135	142	135	133
Multiethnic	15	29	26	36	19
Other/Unknown	1	4	2	2	10
% African American	3%	3%	3%	3%	4%
% Asian	21%	24%	26%	30%	33%
% Filipino	5%	7%	5%	6%	8%
% Latino	20%	18%	20%	19%	16%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	1%	<1%	1%	1%	<1%
% White	45%	38%	38%	32%	31%
% Multiethnic	5%	8%	7%	9%	4%
% Other/Unknown	<1%	1%	1%	<1%	2%



Student Enrollment Status

Computer Science (CS)	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
First-Time Any College	36	49	39	80	75
First-Time Transfer	31	29	29	28	25
Continuing	231	245	265	293	289
Returning	20	26	26	15	23
Concurrent Enrollment	3	6	13	7	12
% First-Time Any College	11%	14%	10%	19%	18%
% First-Time Transfer	10%	8%	8%	7%	6%
% Continuing	72%	69%	71%	69%	68%
% Returning	6%	7%	7%	4%	5%
% Concurrent Enrollment	1%	2%	3%	2%	3%



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.

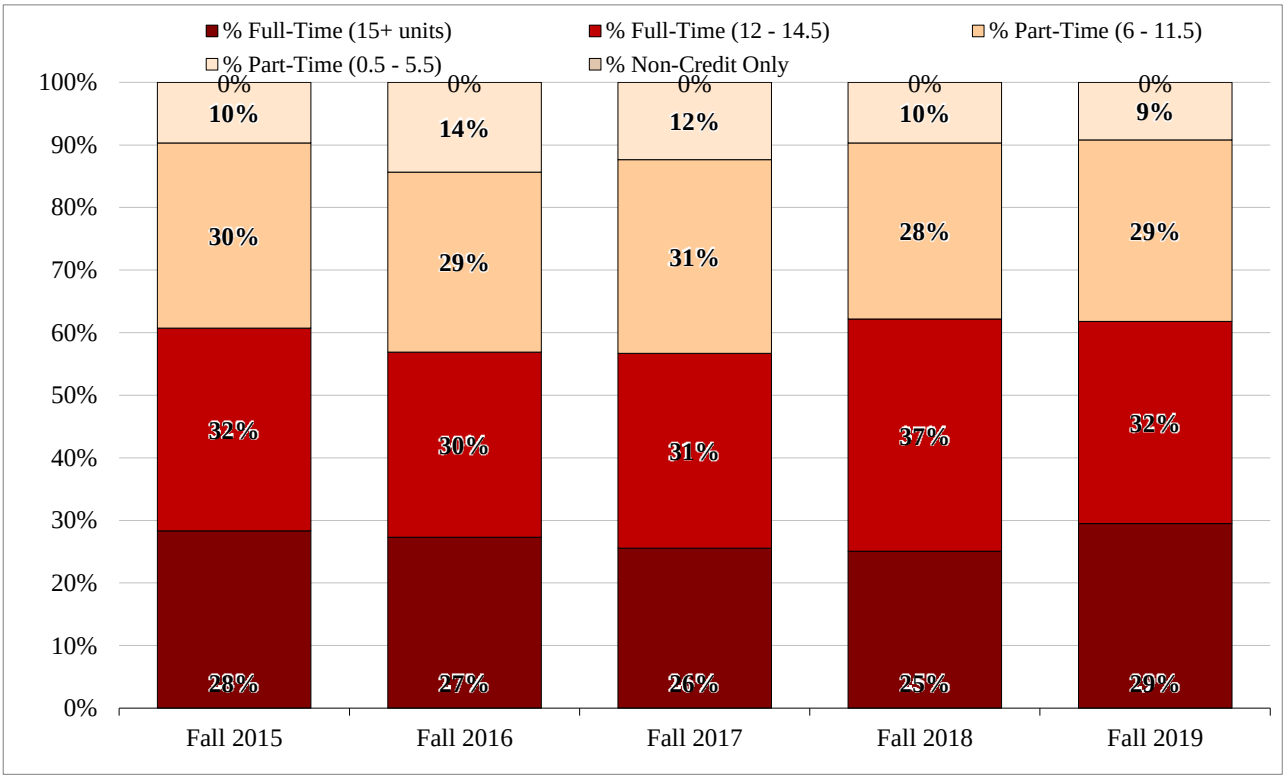
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

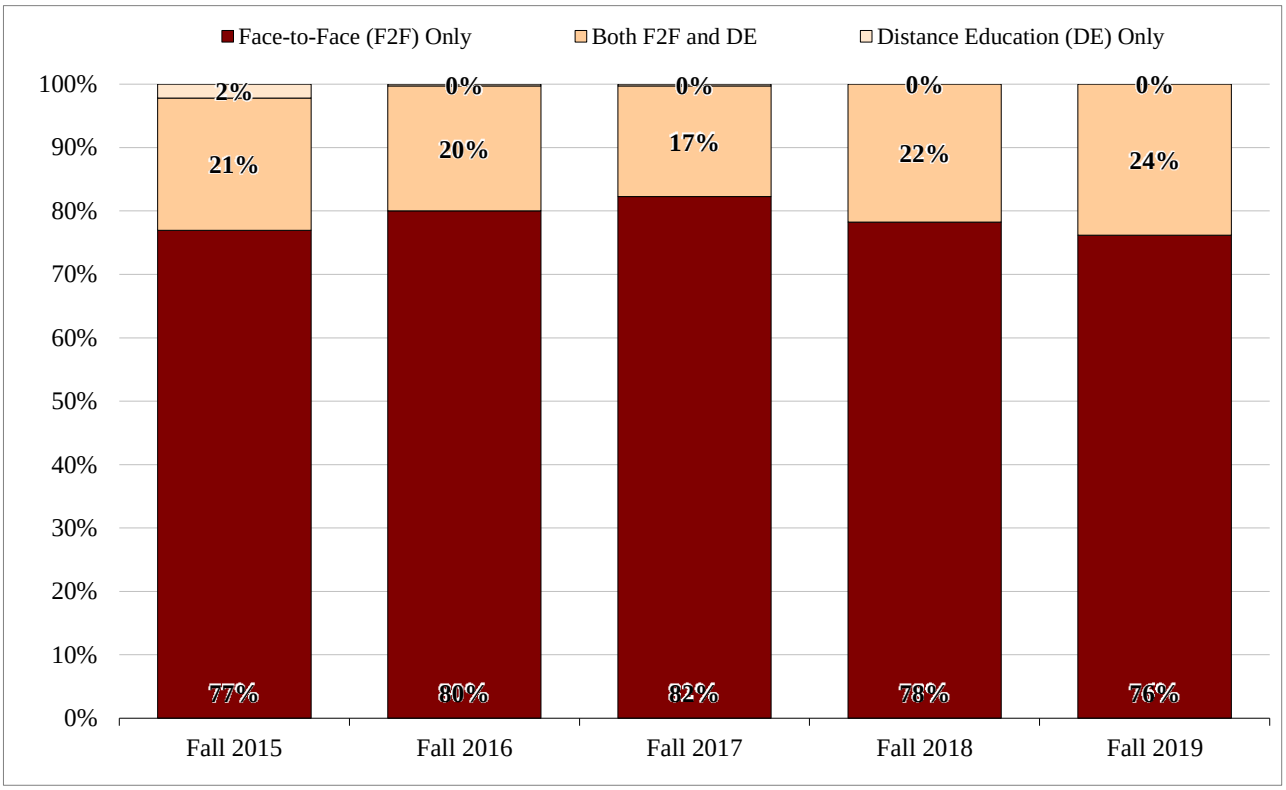
Student Unit Load

Computer Science (CS)	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Full-Time (15+ units)	91	97	95	106	125
Full-Time (12 - 14.5)	104	105	116	157	137
Part-Time (6 - 11.5)	95	102	115	119	123
Part-Time (0.5 - 5.5)	31	51	46	41	39
Non-Credit Only	—	—	—	—	—
% Full-Time (15+ units)	28%	27%	26%	25%	29%
% Full-Time (12 - 14.5)	32%	30%	31%	37%	32%
% Part-Time (6 - 11.5)	30%	29%	31%	28%	29%
% Part-Time (0.5 - 5.5)	10%	14%	12%	10%	9%
% Non-Credit Only	—	—	—	—	—



Students Using Distance Education

Computer Science (CS)					
	Term				
(Categories reflect college-wide coursework)	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Face-to-Face (F2F) Only	247	284	306	331	323
Both F2F and DE	67	70	65	92	101
Distance Education (DE) Only	7	1	1	0	0
% Face-to-Face (F2F) Only	77%	80%	82%	78%	76%
% Both F2F and DE	21%	20%	17%	22%	24%
% Distance Education (DE) Only	2%	<1%	<1%	0%	0%

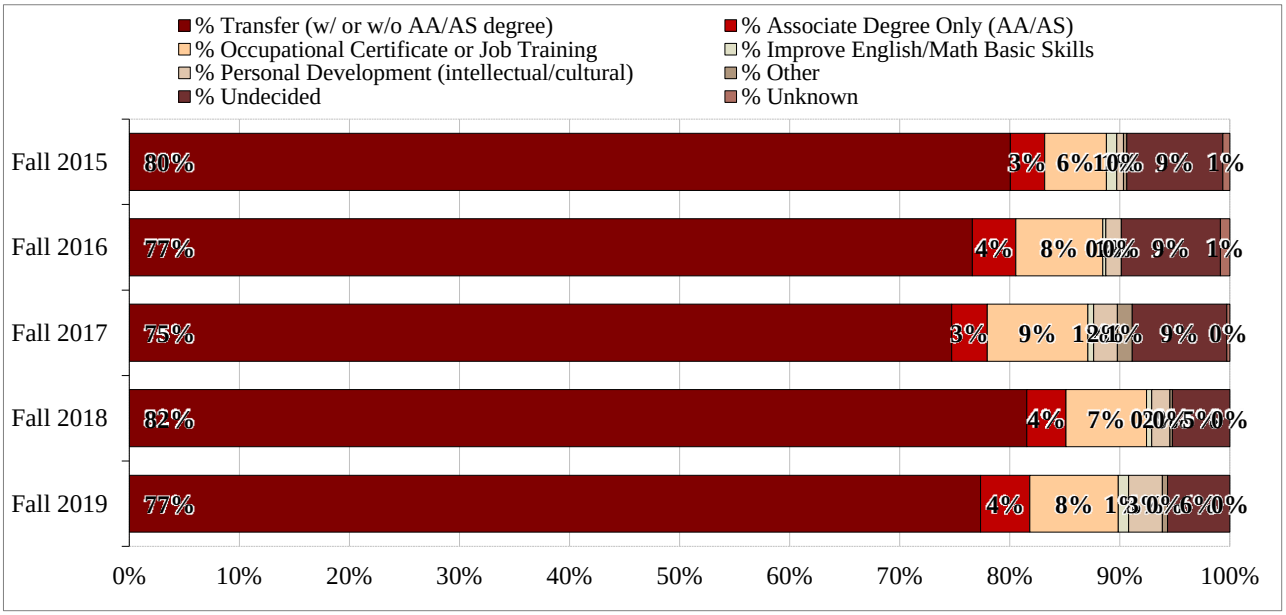


Definitions:

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

Student Educational Goal

Computer Science (CS)	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Transfer (w/ or w/o AA/AS degree)	257	272	278	345	328
Associate Degree Only (AA/AS)	10	14	12	15	19
Occupational Certificate or Job Training	18	28	34	31	34
Improve English/Math Basic Skills	3	1	2	2	4
Personal Development (intellectual/cultural)	2	5	8	7	13
Other	1	0	5	1	2
Undecided	28	32	32	22	24
Unknown	2	3	1	0	0
% Transfer (w/ or w/o AA/AS degree)	80%	77%	75%	82%	77%
% Associate Degree Only (AA/AS)	3%	4%	3%	4%	4%
% Occupational Certificate or Job Training	6%	8%	9%	7%	8%
% Improve English/Math Basic Skills	1%	<1%	1%	<1%	1%
% Personal Development (intellectual/cultural	1%	1%	2%	2%	3%
% Other	<1%	0%	1%	<1%	<1%
% Undecided	9%	9%	9%	5%	6%
% 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.

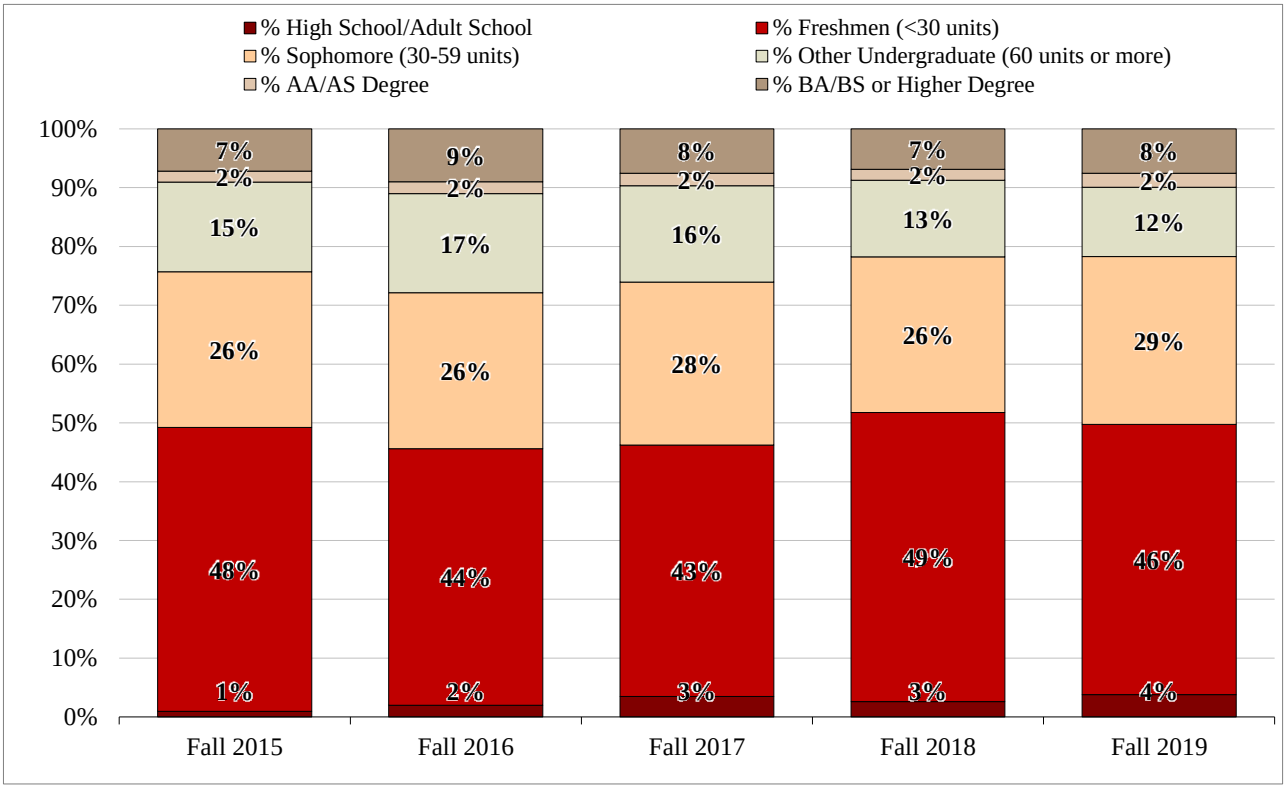
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

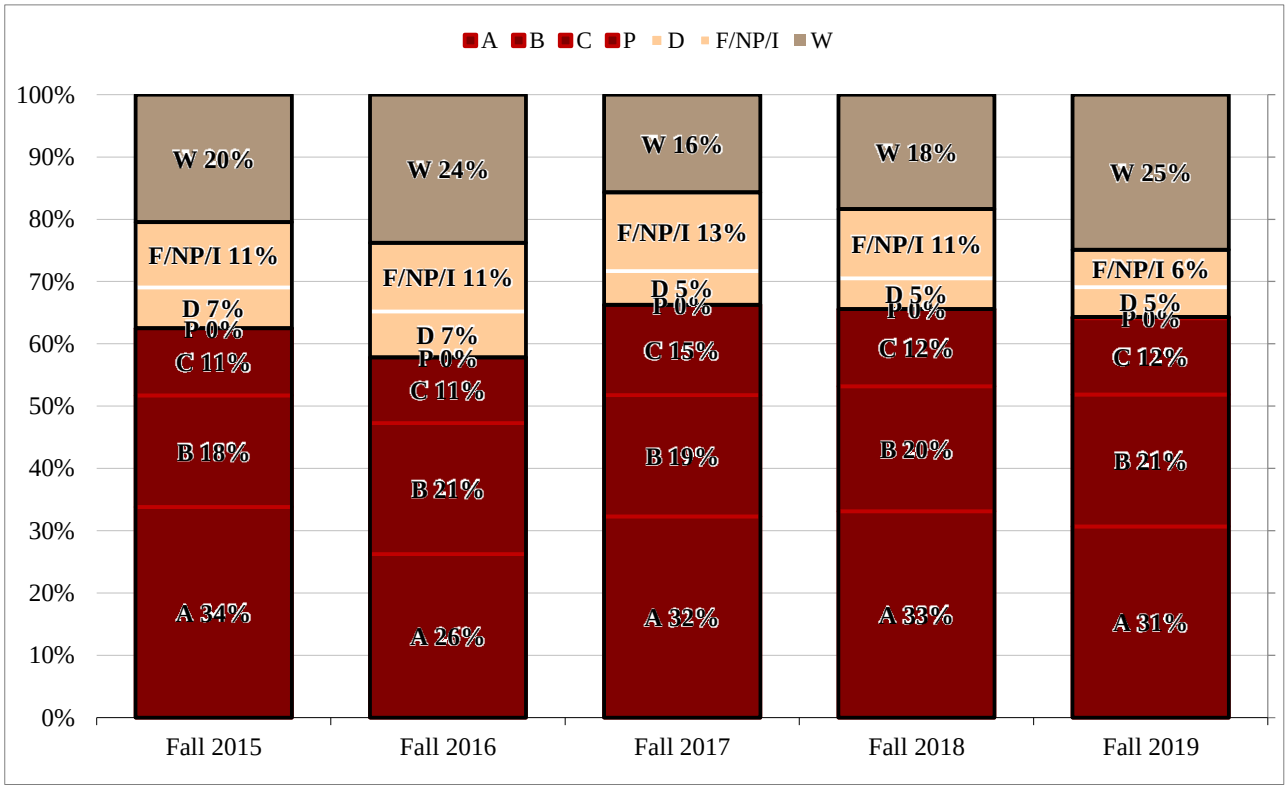
Highest Educational Level of Students

Computer Science (CS)	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
High School/Adult School	3	7	13	11	16
Freshmen (<30 units)	155	155	159	208	195
Sophomore (30-59 units)	85	94	103	112	121
Other Undergraduate (60 units or more)	49	60	61	55	50
AA/AS Degree	6	7	8	8	10
BA/BS or Higher Degree	23	32	28	29	32
% High School/Adult School	1%	2%	3%	3%	4%
% Freshmen (<30 units)	48%	44%	43%	49%	46%
% Sophomore (30-59 units)	26%	26%	28%	26%	29%
% Other Undergraduate (60 units or more)	15%	17%	16%	13%	12%
% AA/AS Degree	2%	2%	2%	2%	2%
% BA/BS or Higher Degree	7%	9%	8%	7%	8%



Student Performance: Grade Distribution

Computer Science (CS)	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Total Course Enrollments	**353**	**408**	**427**	**468**	**482**
Course Success Rates	**63%**	**58%**	**66%**	**66%**	**64%**
A	34%	26%	32%	33%	31%
B	18%	21%	19%	20%	21%
C	11%	11%	15%	12%	12%
P	0%	0%	0%	0%	<1%
Course Non-Success Rate	**17%**	**18%**	**18%**	**16%**	**11%**
D	7%	7%	5%	5%	5%
F/NP/I	11%	11%	13%	11%	6%
Withdrawals (W)	**20%**	**24%**	**16%**	**18%**	**25%**



Definitions:

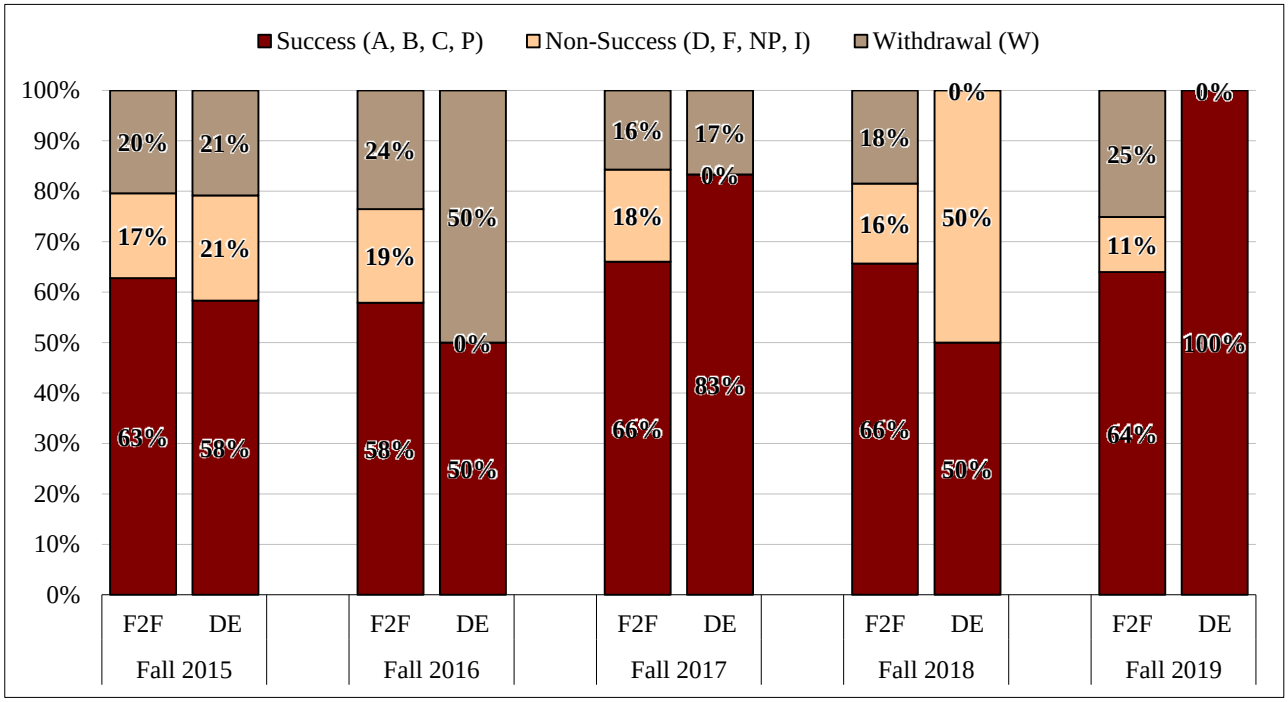
Course Success Rate is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

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				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Total Course Enrollments	**353**	**408**	**427**	**468**	**482**
Face-to-Face (F2F) Sections	**329**	**404**	**421**	**466**	**478**
Success Rates	63%	58%	66%	66%	64%
Non-Success Rates	17%	19%	18%	16%	11%
Withdrawals	20%	24%	16%	18%	25%
Distance Education (DE) Sections	**24**	**4**	**6**	**2**	**4**
Success Rates	58%	50%	83%	50%	100%
Non-Success Rates	21%	0%	0%	50%	0%
Withdrawals	21%	50%	17%	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.

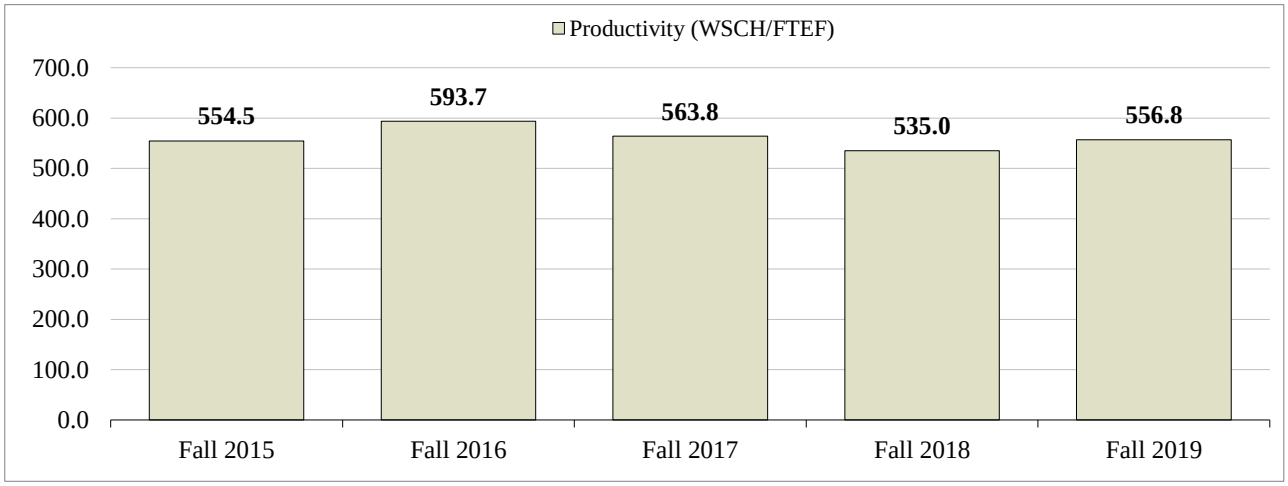
Course Non-Success Rate is the percentage of students receiving a grade of ('D', 'F', 'NP or 'I') relative to all students receiving a grade.

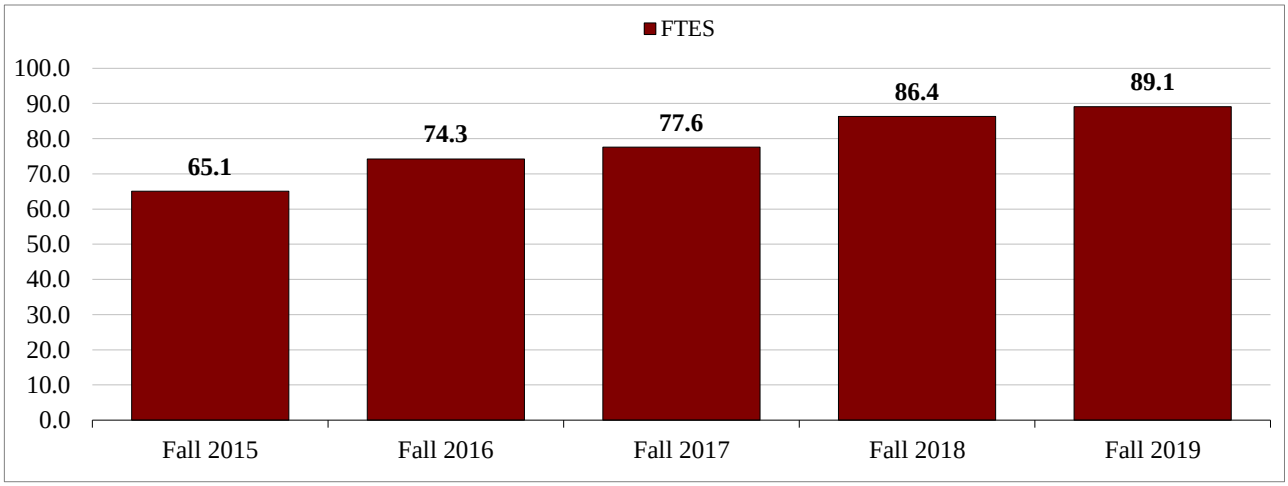
Withdrawals is the percentage of students receiving a grade notation of 'W' relative to all students receiving a grade.

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

Enrollment Management: Part 1

Computer Science (CS)	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
WSCH	2,014	2,364	2,466	2,692	2,779
FTES	65.1	74.3	77.6	86.4	89.1
FTEF	3.6	4.0	4.4	5.0	5.0
Productivity (WSCH/FTEF)	554.5	593.7	563.8	535.0	556.8





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.

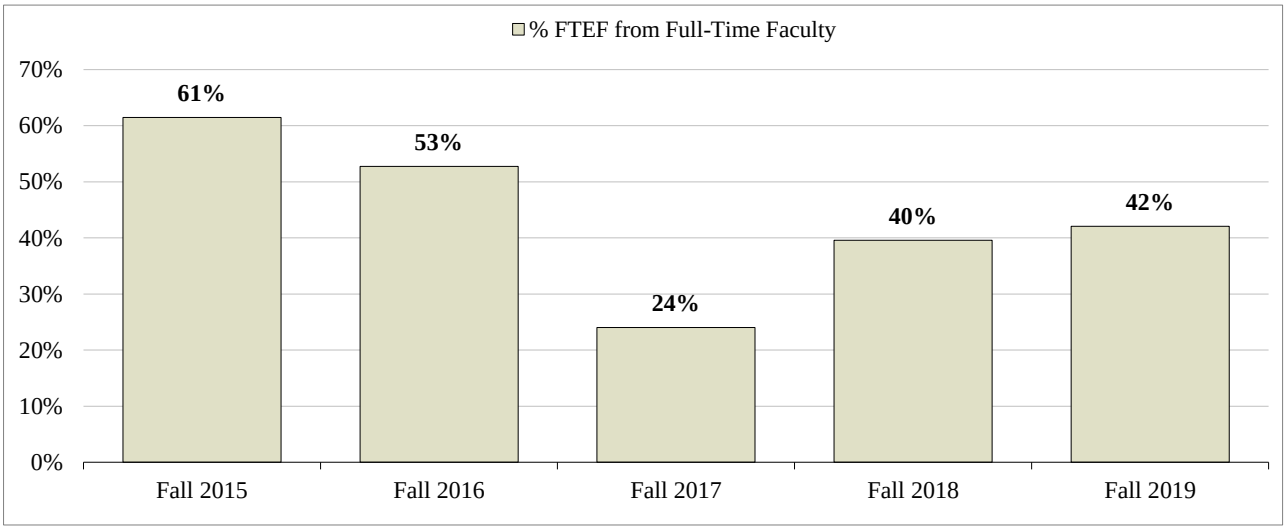
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

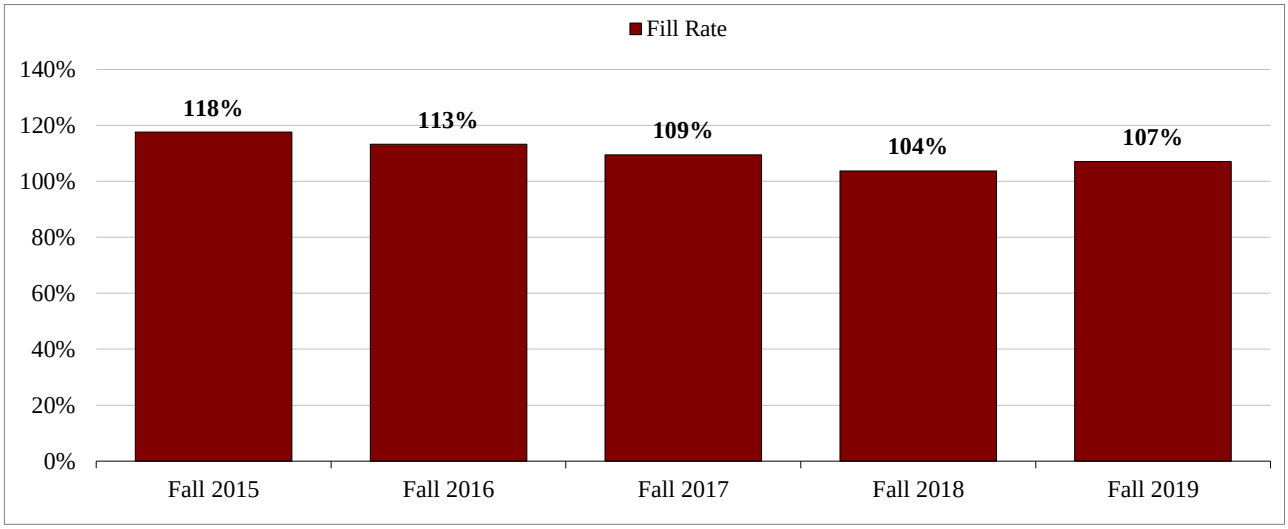
Productivity is the ratio of WSCH to FTEF and a standard measure of discipline efficiency.

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				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
FTEF from Full-Time Faculty	2.2	2.1	1.1	2.0	2.1
% FTEF from Full-Time Faculty	61%	53%	24%	40%	42%
Enrollments	353	408	427	468	482
Capacity (seats available)	300	360	390	451	450
Fill Rate	118%	113%	109%	104%	107%





Definitions:

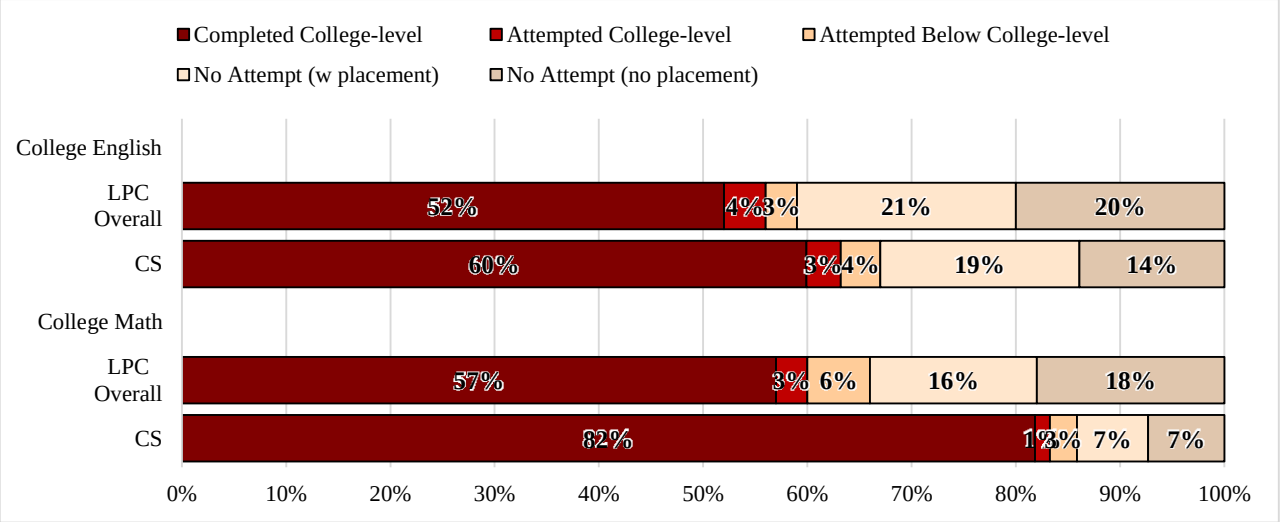
Fill Rate is number of enrollments over the total capacity (seats available).

% 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

Fall 2019	CS		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	254	60%	4,712	52%
Attempted College-level	14	3%	393	4%
Attempted Below College-level	16	4%	261	3%
No Attempt (with placement)	81	19%	1,887	21%
No Attempt (no placement)	59	14%	1,811	20%
College Math				
Completed College-level	347	82%	5,193	57%
Attempted College-level	6	1%	302	3%
Attempted Below College-level	11	3%	538	6%
No Attempt (with placement)	29	7%	1,405	16%
No Attempt (no placement)	31	7%	1,623	18%



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

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