Las Positas College

Program Review Discipline Data Packet

Fall 2013 to Fall 2017
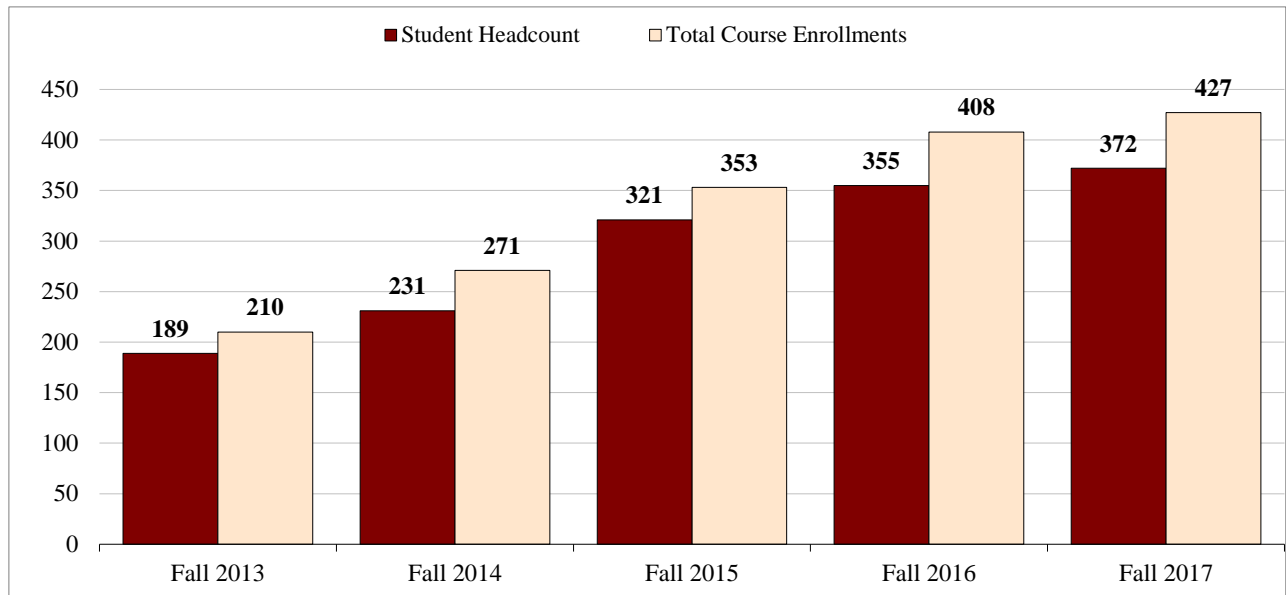
Discipline:

Computer Science (CS)

Office of Research, Planning and Institutional Effectiveness
Las Positas College

Headcount & Enrollment

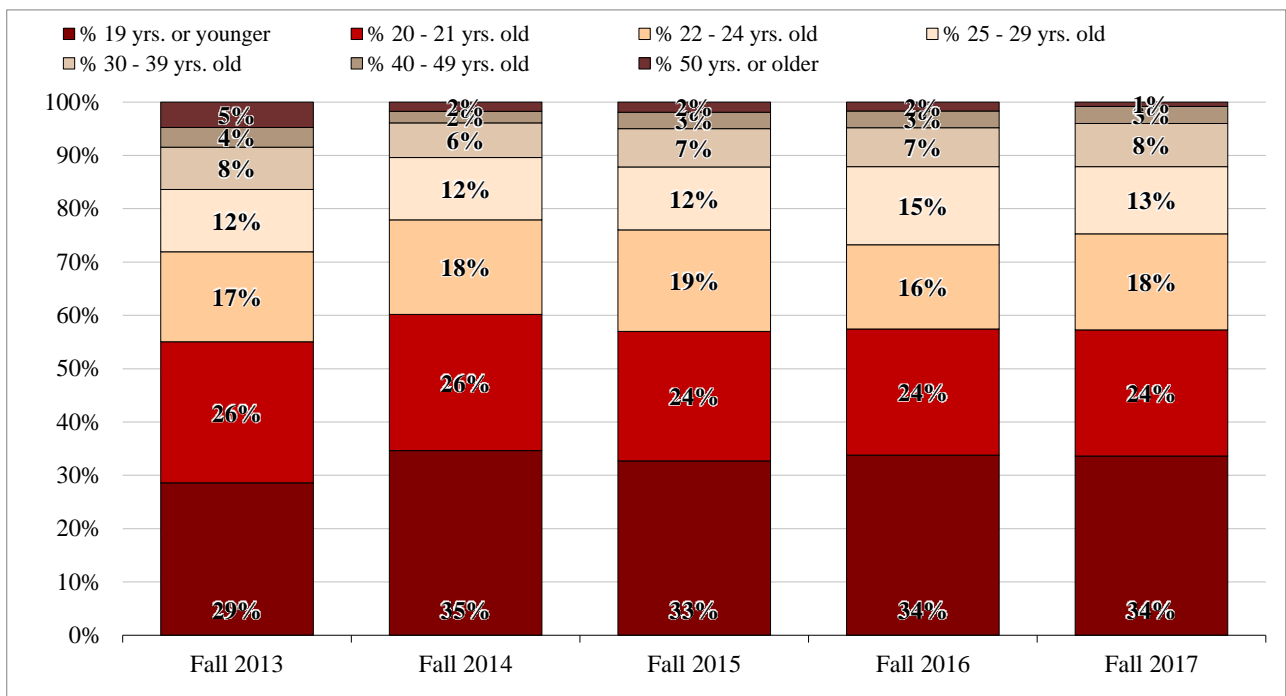| Computer Science (CS)					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
Student Headcount	189	231	321	355	372
Total Course Enrollments	210	271	353	408	427

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 2013	**Fall 2014**	**Fall 2015**	**Fall 2016**	**Fall 2017**
Female	28	26	51	79	80
Male	159	203	268	269	283
19 yrs. or younger	54	80	105	120	125
20-21 yrs. old	50	59	78	84	88
22-24 yrs. old	32	41	61	56	67
25-29 yrs. old	22	27	38	52	47
30-39 yrs. old	15	15	23	26	30
40-49 yrs. old	7	5	10	11	12
50 yrs. or older	9	4	6	6	3
% Female	15%	11%	16%	23%	22%
% Male	85%	89%	84%	77%	78%
% 19 yrs. or younger	29%	35%	33%	34%	34%
% 20 - 21 yrs. old	26%	26%	24%	24%	24%
% 22 - 24 yrs. old	17%	18%	19%	16%	18%
% 25 - 29 yrs. old	12%	12%	12%	15%	13%
% 30 - 39 yrs. old	8%	6%	7%	7%	8%
% 40 - 49 yrs. old	4%	2%	3%	3%	3%
% 50 yrs. or older	5%	2%	2%	2%	1%

Student Demographic: Race-Ethnicity

Computer Science (CS)					
	Term				
	Fall 2013	**Fall 2014**	**Fall 2015**	**Fall 2016**	**Fall 2017**
African American	4	6	10	10	12
Asian	36	50	68	86	95
Filipino	12	11	15	25	19
Latino	30	45	65	65	73
Native American	0	0	0	0	0
Pacific Islander	0	0	2	1	3
White	91	107	145	135	142
Multiethnic	15	11	15	29	26
Other/Unknown	1	1	1	4	2
% African American	2%	3%	3%	3%	3%
% Asian	19%	22%	21%	24%	26%
% Filipino	6%	5%	5%	7%	5%
% Latino	16%	19%	20%	18%	20%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	0%	0%	1%	<1%	1%
% White	48%	46%	45%	38%	38%
% Multiethnic	8%	5%	5%	8%	7%
% Other/Unknown	1%	<1%	<1%	1%	1%
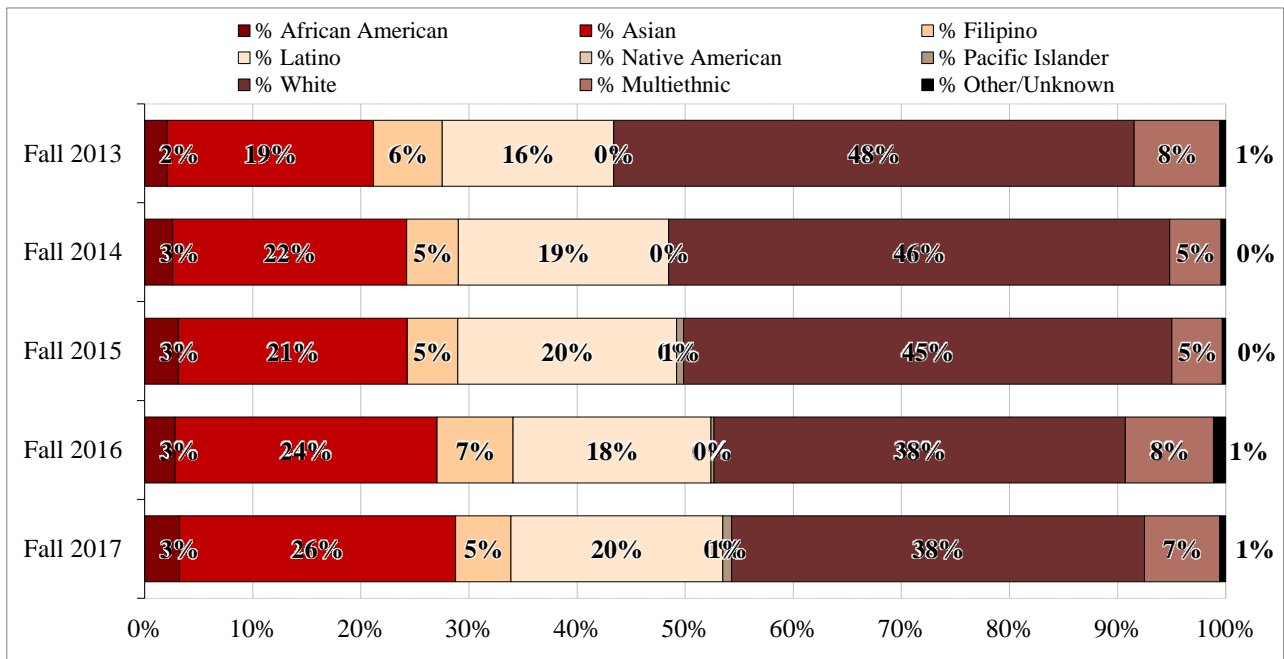
Student Enrollment Status

Computer Science (CS)					
	Term				
	Fall 2013	**Fall 2014**	**Fall 2015**	**Fall 2016**	**Fall 2017**
First-Time Any College	16	34	36	49	39
First-Time Transfer	11	13	31	29	29
Continuing	141	170	231	245	265
Returning	21	12	20	26	26
Concurrent Enrollment	0	1	3	6	13
% First-Time Any College	8%	15%	11%	14%	10%
% First-Time Transfer	6%	6%	10%	8%	8%
% Continuing	75%	74%	72%	69%	71%
% Returning	11%	5%	6%	7%	7%
% Concurrent Enrollment	0%	<1%	1%	2%	3%
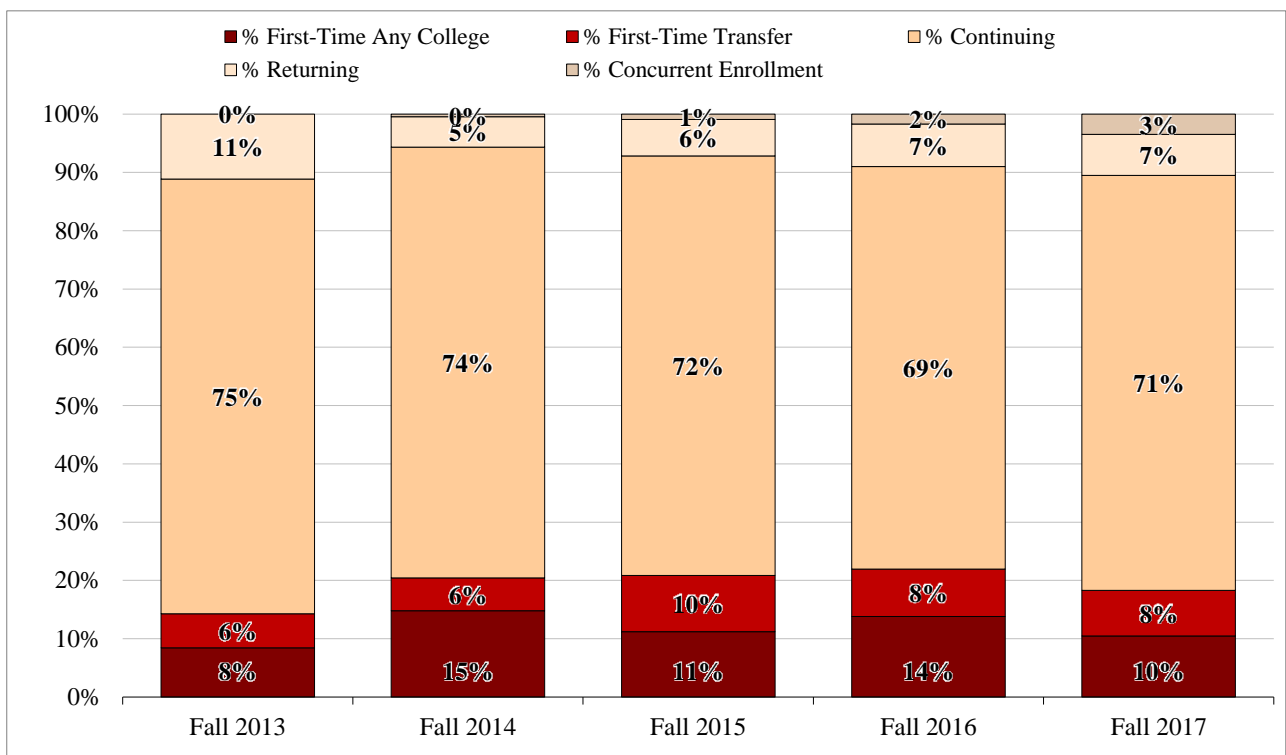
Definitions:

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 2013	**Fall 2014**	**Fall 2015**	**Fall 2016**	**Fall 2017**
Full-Time (12 units or more)	117	143	195	202	211
Part-Time (6 to 11.5 units)	49	59	95	102	115
Part-Time (0.5 to 5.5 units)	23	29	31	51	46
% Full-Time (12 units or more)	62%	62%	61%	57%	57%
% Part-Time (6 to 11.5 units)	26%	26%	30%	29%	31%
% Part-Time (0.5 to 5.5 units)	12%	13%	10%	14%	12%
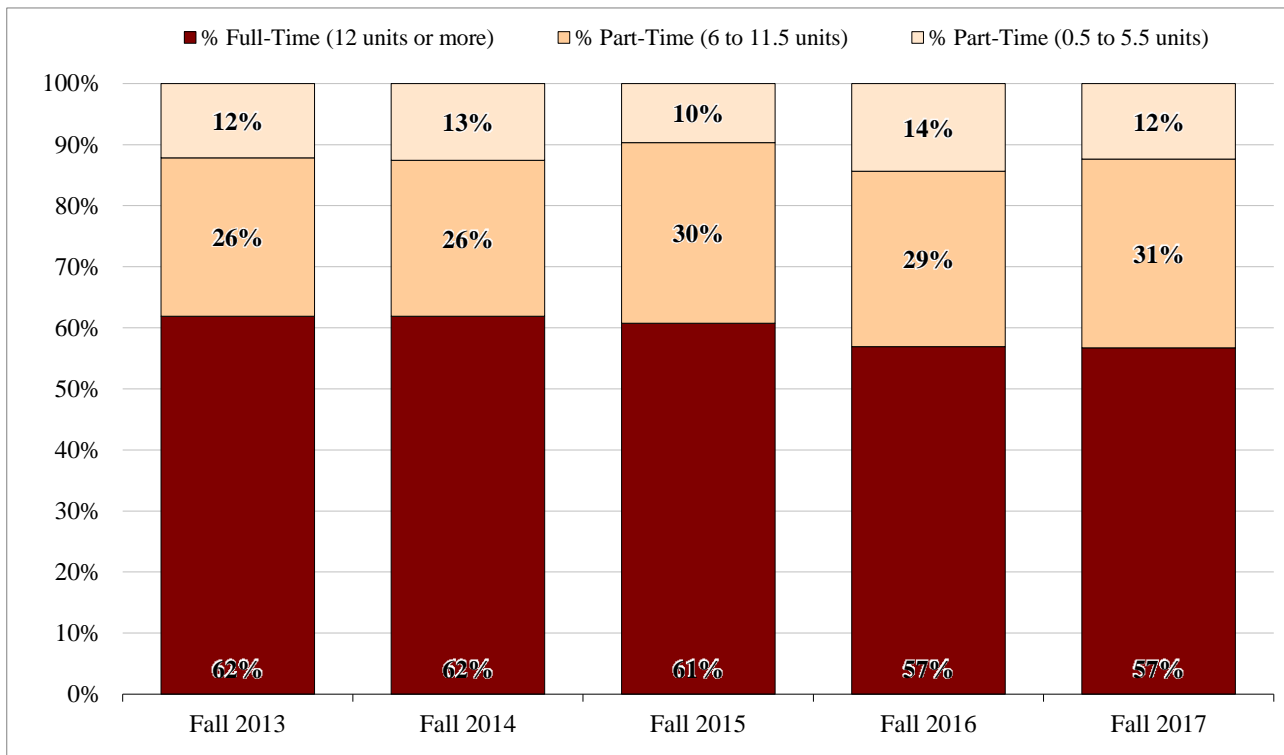
Students Using Distance Education

| Computer Science (CS)					
	Term				
(Categories reflect college-wide coursework)	**Fall 2013**	**Fall 2014**	**Fall 2015**	**Fall 2016**	**Fall 2017**
Face-to-Face (F2F) Only	131	168	247	284	306
Both F2F and DE	52	54	67	70	65
Distance Education (DE) Only	6	9	7	1	1
% Face-to-Face (F2F) Only	69%	73%	77%	80%	82%
% Both F2F and DE	28%	23%	21%	20%	17%
% Distance Education (DE) Only	3%	4%	2%	<1%	<1%
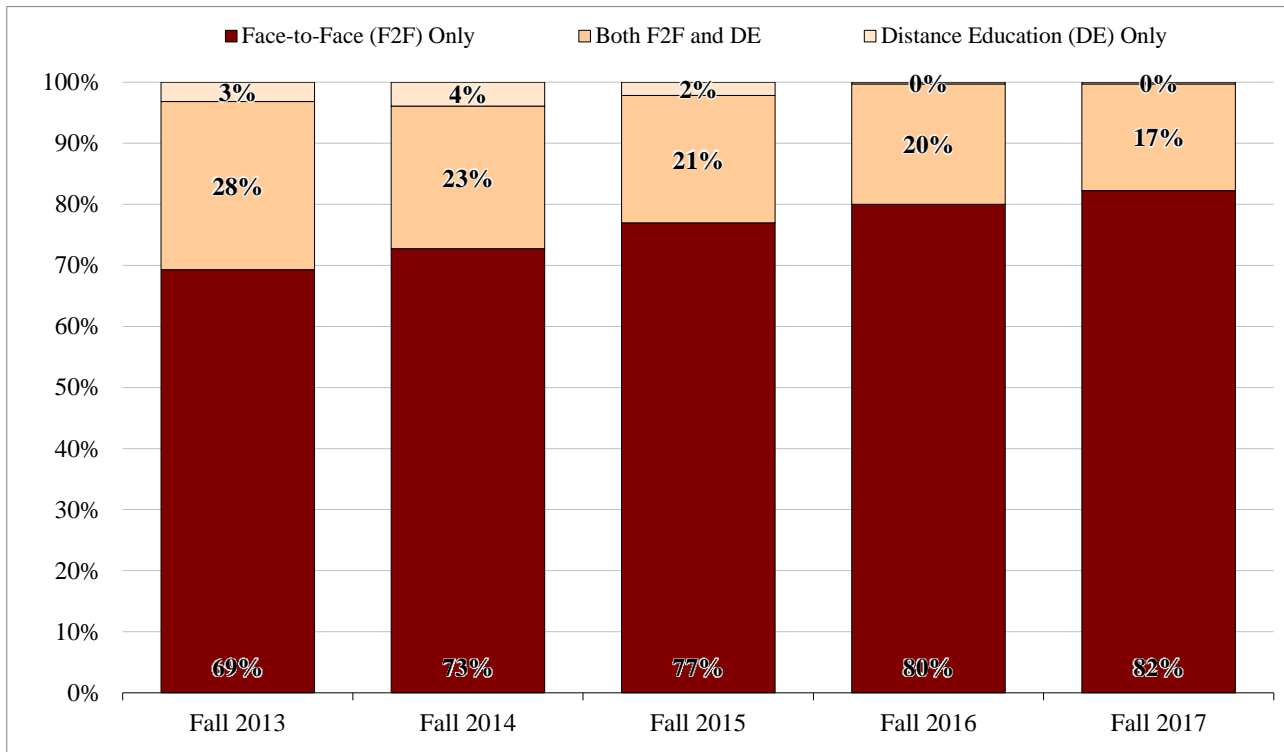
Definitions:

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

Student Educational Goal

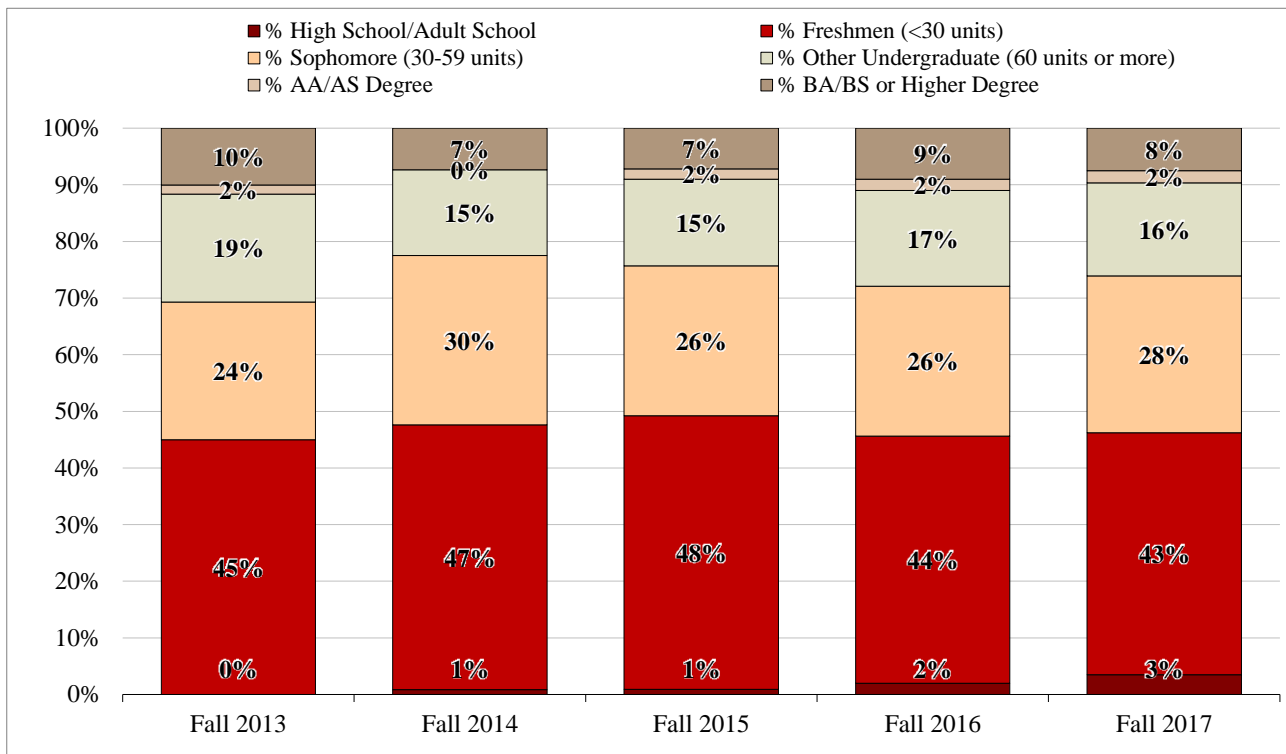| Computer Science (CS)					
	Term				
	Fall 2013	**Fall 2014**	**Fall 2015**	**Fall 2016**	**Fall 2017**
Transfer (w/ or w/o AA/AS degree)	143	184	257	272	278
Associate Degree Only (AA/AS)	4	7	10	14	12
Occupational Certificate or Job Training	20	15	18	28	34
Improve English/Math Basic Skills	4	1	3	1	2
Personal Development (intellectual/cultural)	4	4	2	5	8
Other	1	1	1	0	5
Undecided	10	17	28	32	32
Unknown	3	2	2	3	1
% Transfer (w/ or w/o AA/AS degree)	76%	80%	80%	77%	75%
% Associate Degree Only (AA/AS)	2%	3%	3%	4%	3%
% Occupational Certificate or Job Training	11%	6%	6%	8%	9%
% Improve English/Math Basic Skills	2%	<1%	1%	<1%	1%
% Personal Development (intellectual/cultural)	2%	2%	1%	1%	2%
% Other	1%	<1%	<1%	0%	1%
% Undecided	5%	7%	9%	9%	9%
% Unknown	2%	1%	1%	1%	<1%
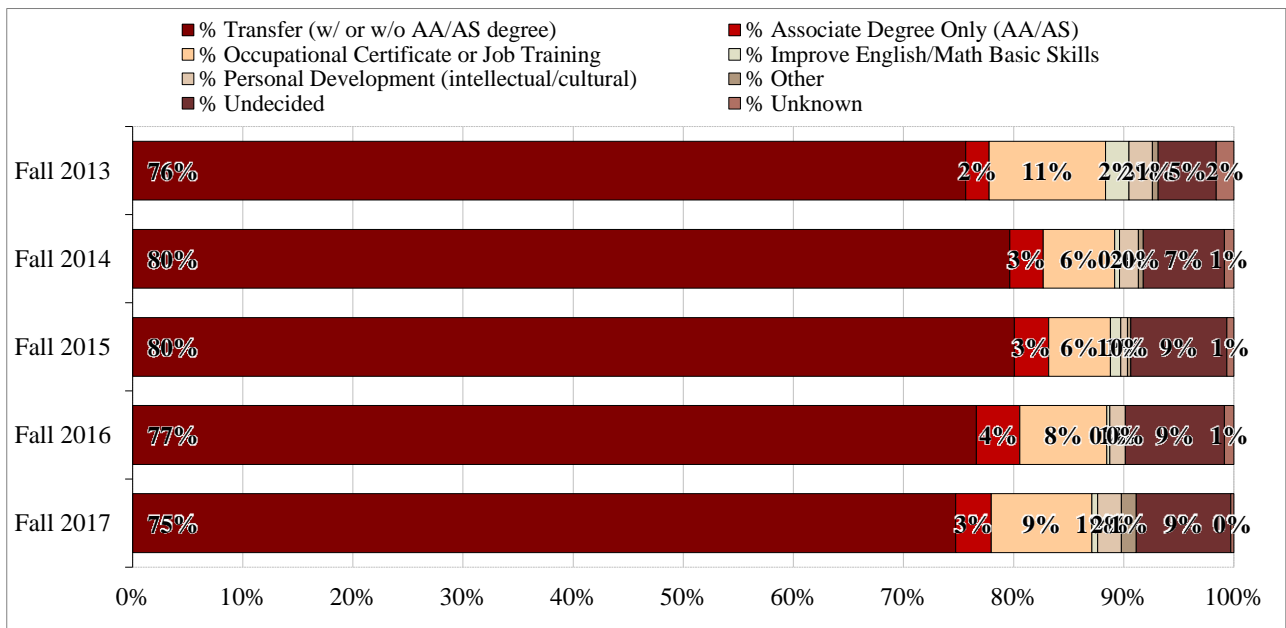
Definitions:

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 2013	**Fall 2014**	**Fall 2015**	**Fall 2016**	**Fall 2017**
High School/Adult School	0	2	3	7	13
Freshmen (<30 units)	85	108	155	155	159
Sophomore (30-59 units)	46	69	85	94	103
Other Undergraduate (60 units or more)	36	35	49	60	61
AA/AS Degree	3	0	6	7	8
BA/BS or Higher Degree	19	17	23	32	28
% High School/Adult School	0%	1%	1%	2%	3%
% Freshmen (<30 units)	45%	47%	48%	44%	43%
% Sophomore (30-59 units)	24%	30%	26%	26%	28%
% Other Undergraduate (60 units or more)	19%	15%	15%	17%	16%
% AA/AS Degree	2%	0%	2%	2%	2%
% BA/BS or Higher Degree	10%	7%	7%	9%	8%

Student Performance: Grade Distribution

| Computer Science (CS)					
	Term				
	Fall 2013	**Fall 2014**	**Fall 2015**	**Fall 2016**	**Fall 2017**
Total Course Enrollments	**210**	**271**	**353**	**408**	**427**
Course Success Rates	**58%**	**69%**	**63%**	**58%**	**66%**
A	32%	31%	34%	26%	32%
B	15%	23%	18%	21%	19%
C	11%	15%	11%	11%	15%
P	0%	<1%	0%	0%	0%
Course Non-Success Rate	**20%**	**15%**	**17%**	**18%**	**18%**
D	7%	5%	7%	7%	5%
F/NP/I	13%	10%	11%	11%	13%
Withdrawals (W)	**22%**	**16%**	**20%**	**24%**	**16%**
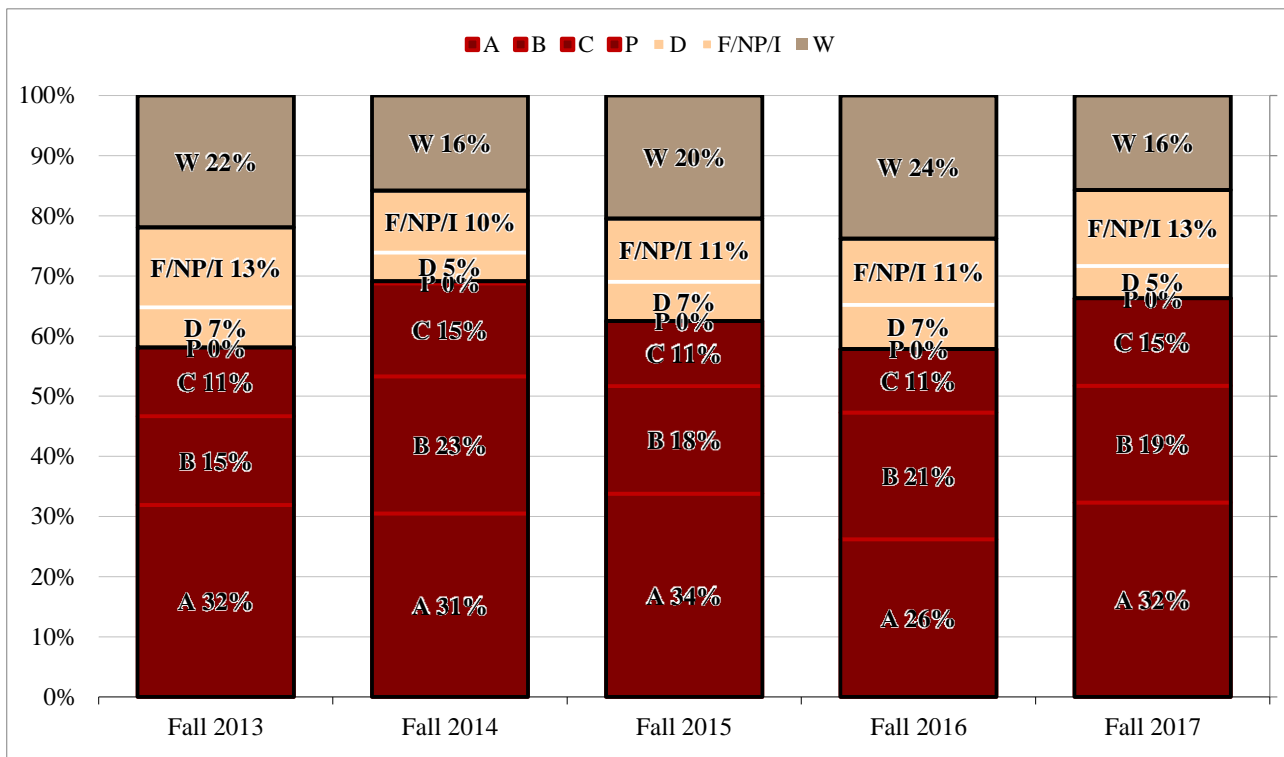
Definitions:

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 2013	**Fall 2014**	**Fall 2015**	**Fall 2016**	**Fall 2017**
Total Course Enrollments	**210**	**271**	**353**	**408**	**427**
Face-to-Face (F2F) Sections	**183**	**240**	**329**	**404**	**421**
Success Rates	61%	69%	63%	58%	66%
Non-Success Rates	21%	14%	17%	19%	18%
Withdrawals	19%	17%	20%	24%	16%
Distance Education (DE) Sections	**27**	**31**	**24**	**4**	**6**
Success Rates	41%	71%	58%	50%	83%
Non-Success Rates	15%	23%	21%	0%	0%
Withdrawals	44%	6%	21%	50%	17%
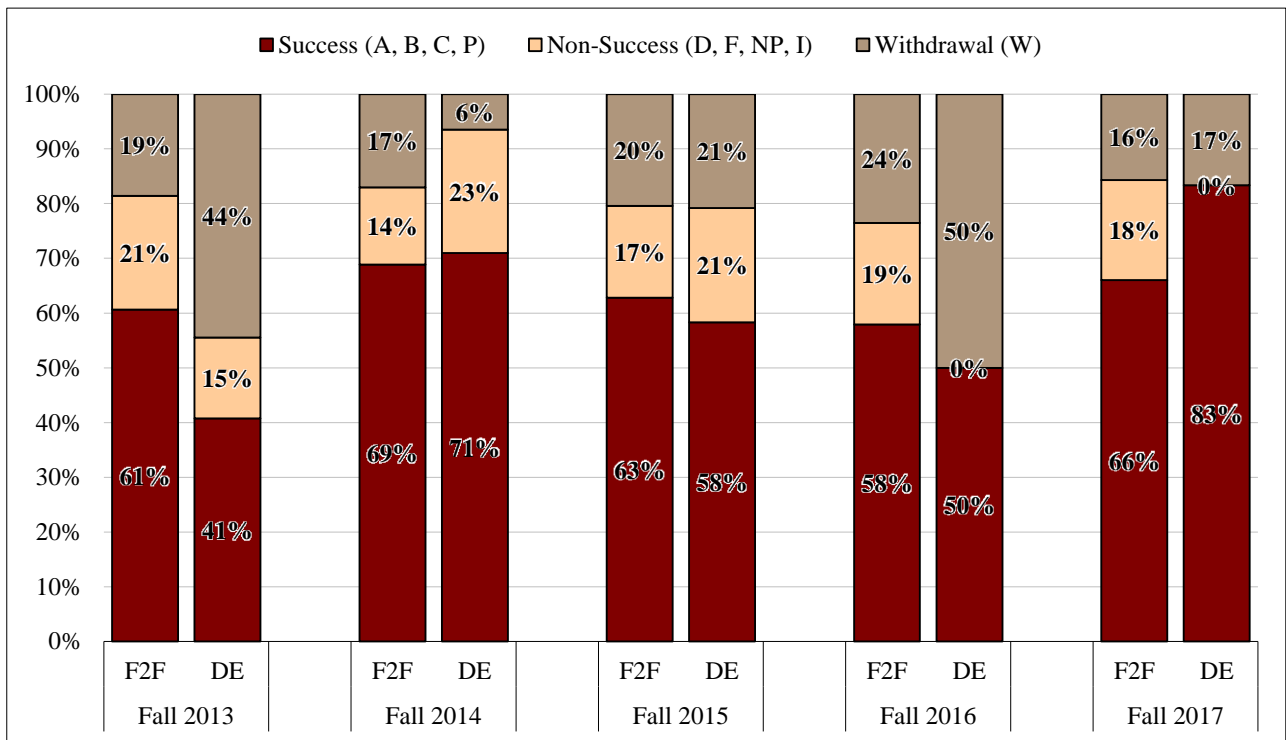
Definitions:

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 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
WSCH	1,266	1,703	2,014	2,364	2,466
FTES	41.4	55.4	65.1	74.3	77.6
FTEF	2.1	2.8	3.6	4.0	4.4
Productivity (WSCH/FTEF)	602.9	601.6	554.5	593.7	563.8
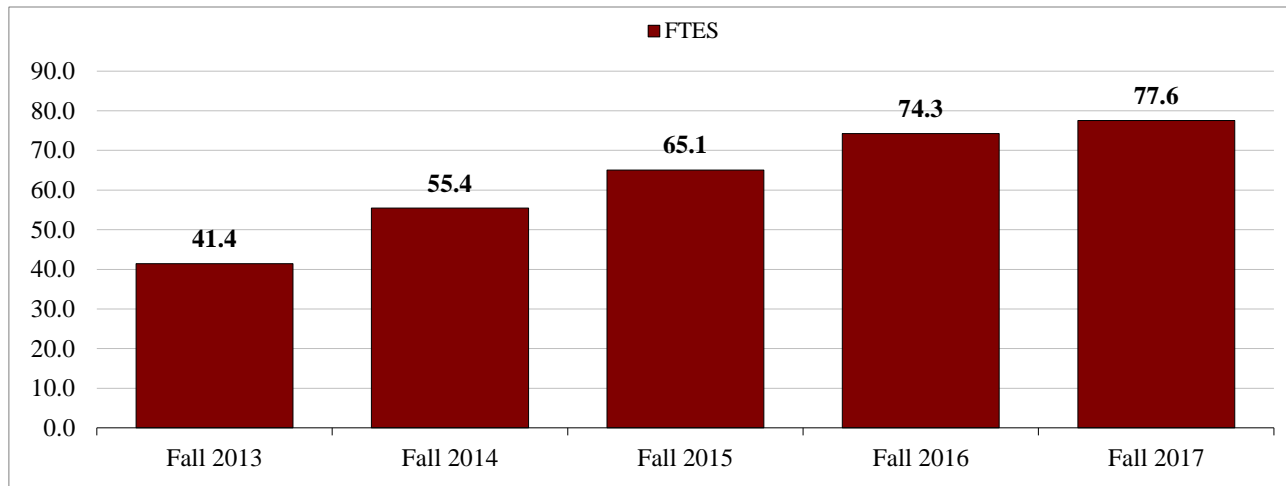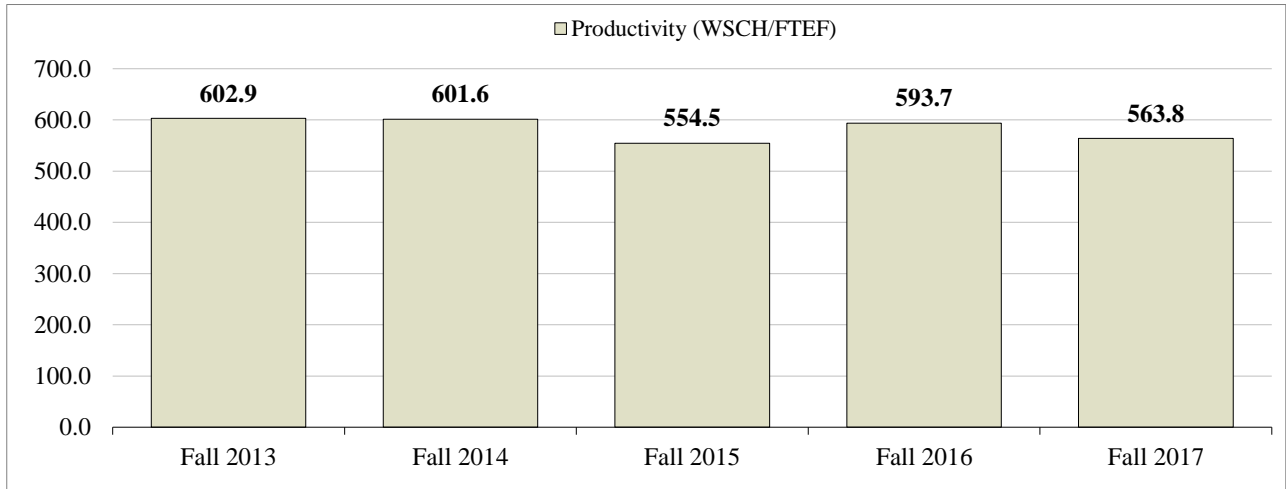
Definitions:

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 includes all credit courses accounted for during the respective academic terms; data accessed on 5/15/18.

Enrollment Management: Part 2

| Computer Science (CS)					
	Term				
	Fall 2013	**Fall 2014**	**Fall 2015**	**Fall 2016**	**Fall 2017**
FTEF from Full-Time Faculty	1.1	1.3	2.2	2.1	1.1
% FTEF from Full-Time Faculty	50%	46%	61%	53%	24%
Enrollments	210	271	353	408	427
Capacity (seats available)	150	210	300	360	390
Fill Rate	140%	129%	118%	113%	109%
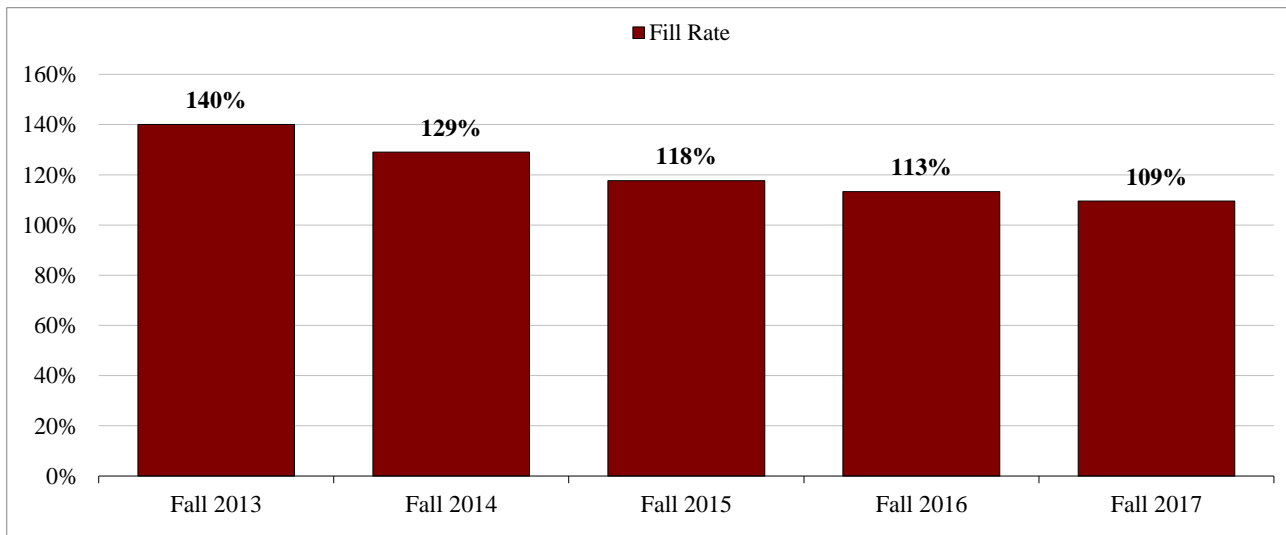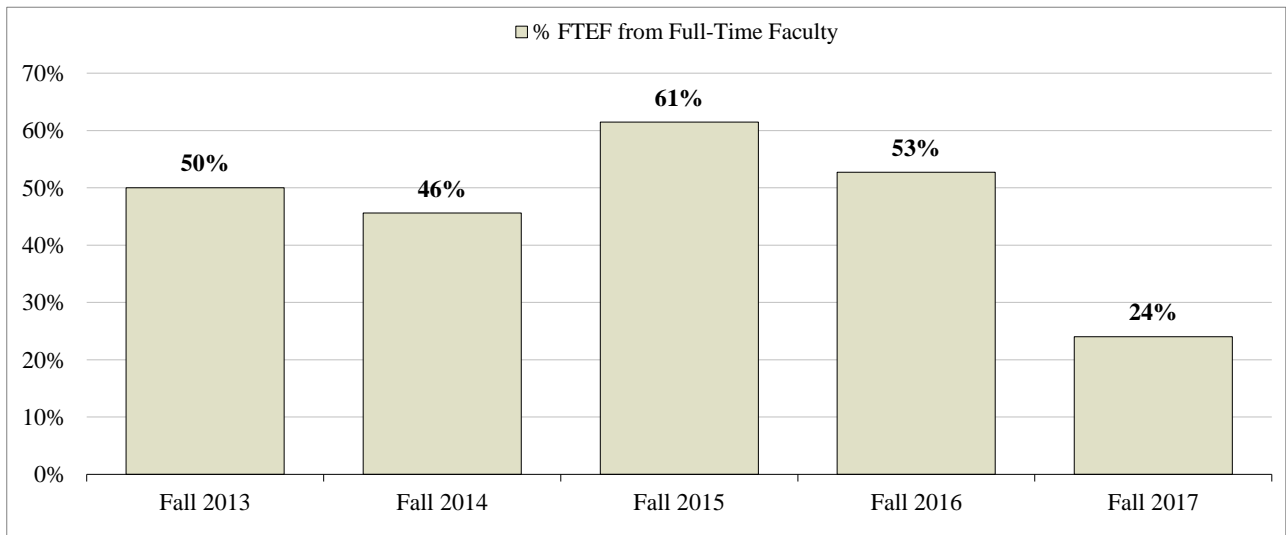
Definitions:

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 includes all credit courses accounted for during the respective academic terms; data accessed on 5/15/18.

College Readiness: English & Math Proficiency

Fall 2017				
	CS		**LPC Overall**	
	Num	**Pct**	**Num**	**Pct**
College English				
Completed College-level	225	60%	3,485	37%
College-level Ready	72	17%	2,141	23%
Not College-level Ready	20	5%	904	10%
Unknown	55	15%	2,842	30%
College Math				
Completed College-level	285	77%	3,738	40%
College-level Ready	19	5%	1,138	12%
Not College-level Ready	17	5%	1,733	18%
Unknown	51	14%	2,763	29%
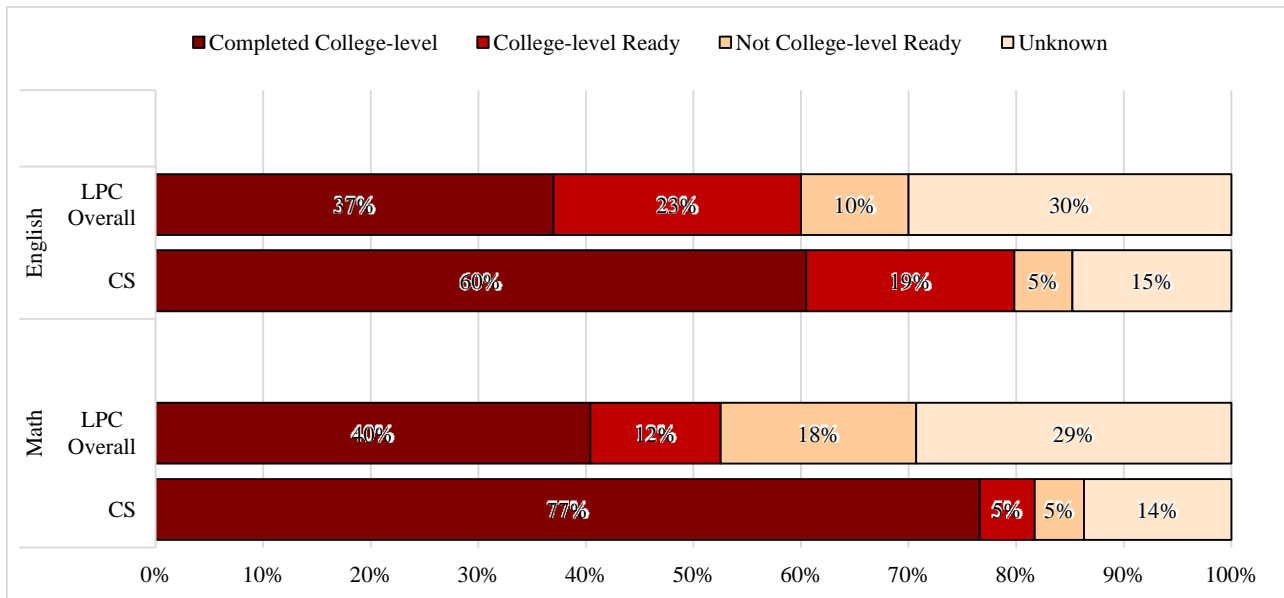
Definitions:

College English

> **Completed College-level** is defined as successfully completed ENG 1A or higher, or has earned at least an Associates degree.
>
> **College-level Ready** is defined as anyone who is eligible for ENG 1A but has not successfully completed the course.
>
> **Not College-level Ready** is defined as anyone who is not eligible for ENG 1A but has not successfully completed the course.
>
> **Unknown** is defined as anyone with no previous English enrollments within the sequence and no previous English assessment.

College Math

> **Completed College-level** is defined as succesfully completed Math 55 or higher or assessed into Transfer-level Math, or has earned at least an Associates degree.
>
> **College-level Ready** is defined as anyone who is eligible for MATH 55 but has not yet succesfully complete the course.
>
> **Not College-level Ready** is defined as anyone who is not eligible for MATH 55 but has not yet succesfully complete the course.
>
> **Unknown** is defined as anyone with no previous Math enrollments within the sequence and no previous Math assessment.