



Las Positas College

**Program Review Discipline Data Packet**

Fall 2014 to Fall 2018

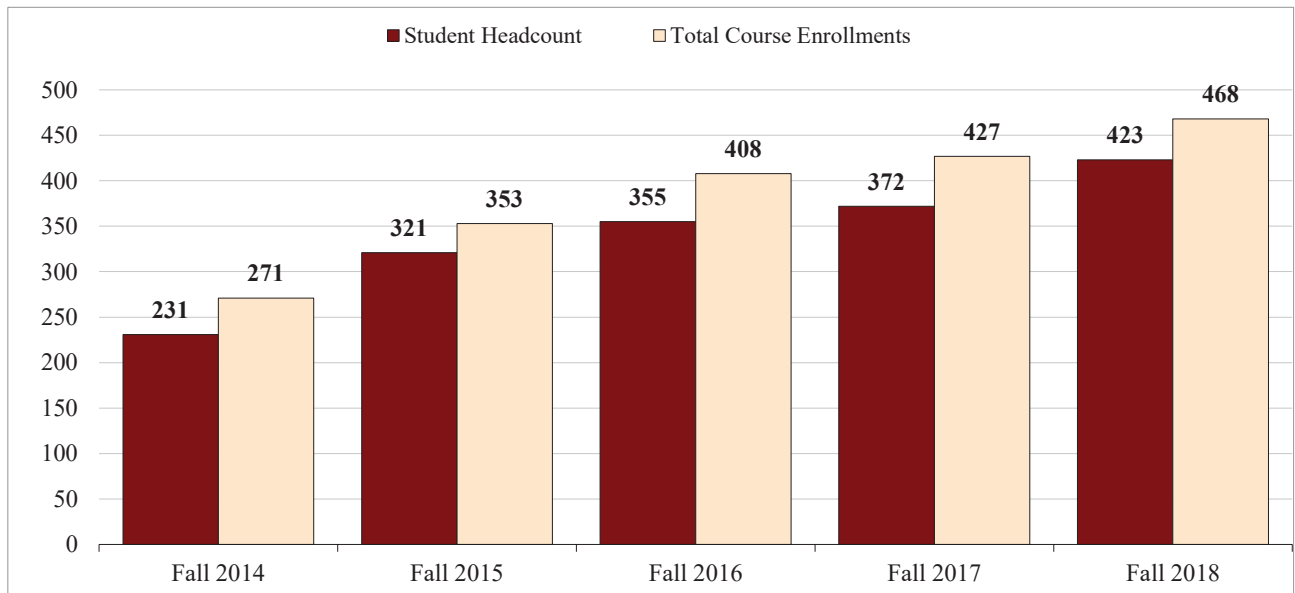
Discipline:

**Computer Science (CS)**

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## Headcount & Enrollment

Computer Science ( CS )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Student Headcount	231	321	355	372	423
Total Course Enrollments	271	353	408	427	468



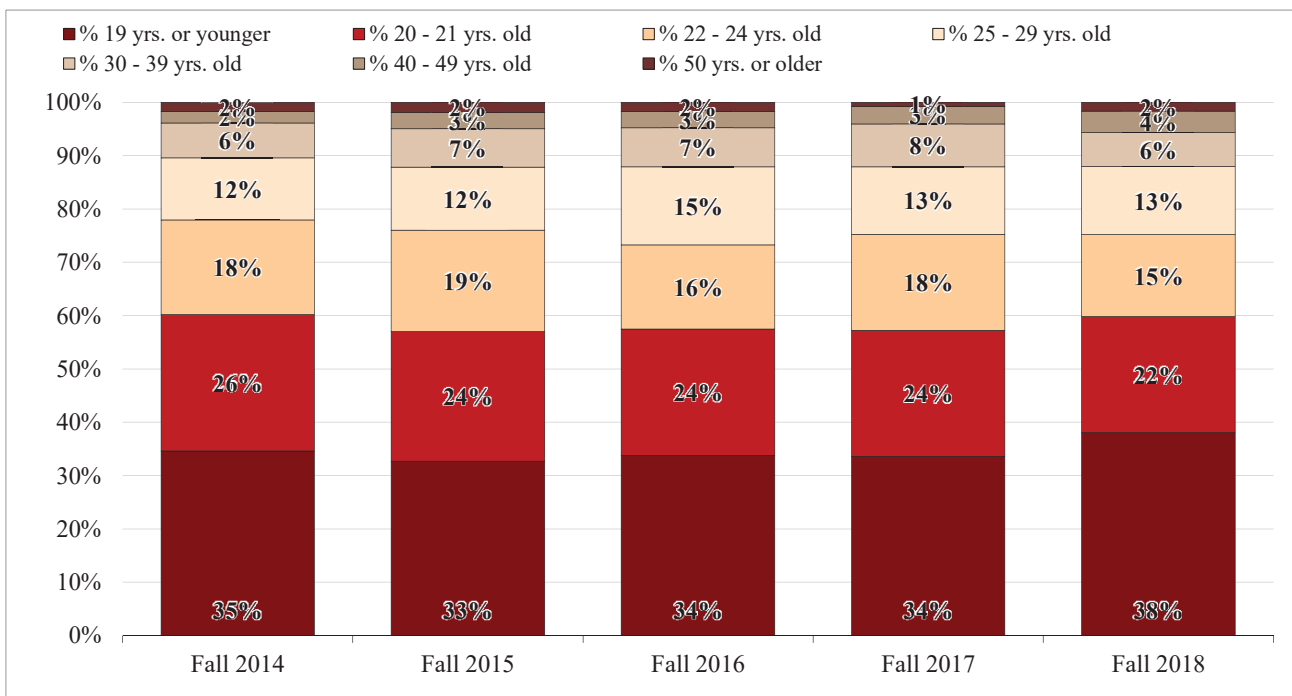
### Definitions:

**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.

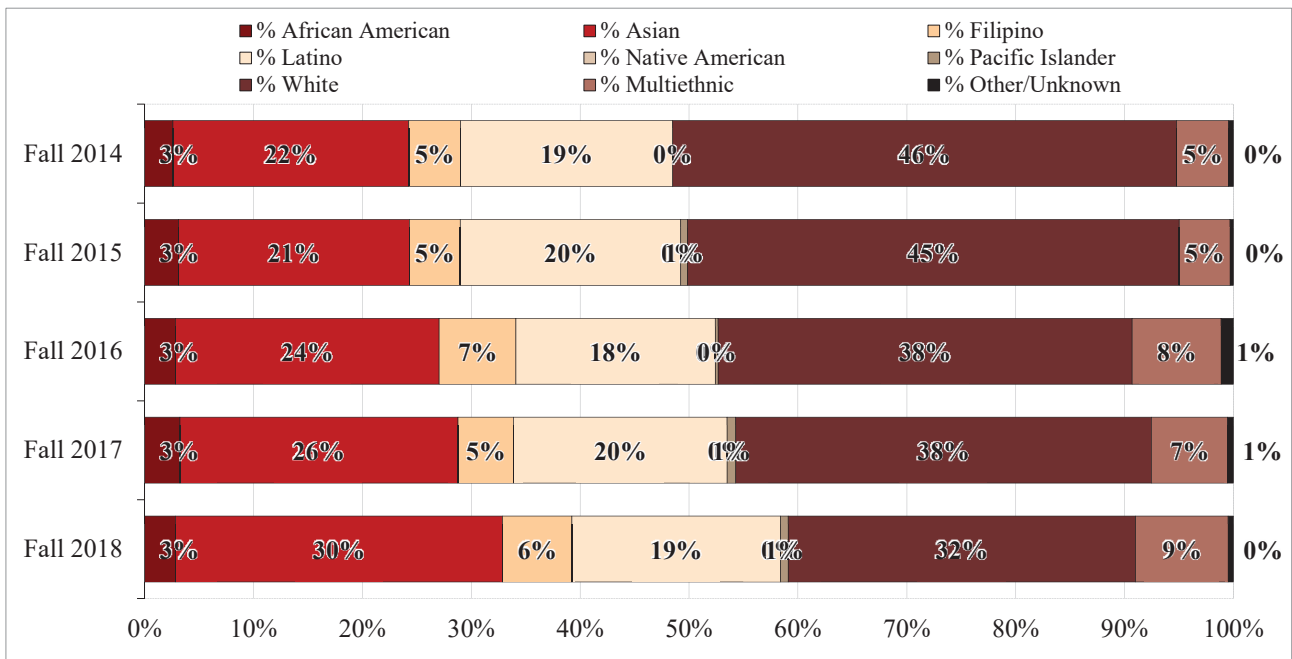
## Student Demographics: Gender & Age

Computer Science ( CS )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Female	26	51	79	80	89
Male	203	268	269	283	327
19 yrs. or younger	80	105	120	125	161
20-21 yrs. old	59	78	84	88	92
22-24 yrs. old	41	61	56	67	65
25-29 yrs. old	27	38	52	47	54
30-39 yrs. old	15	23	26	30	27
40-49 yrs. old	5	10	11	12	17
50 yrs. or older	4	6	6	3	7
% Female	11%	16%	23%	22%	21%
% Male	89%	84%	77%	78%	79%
% 19 yrs. or younger	35%	33%	34%	34%	38%
% 20 - 21 yrs. old	26%	24%	24%	24%	22%
% 22 - 24 yrs. old	18%	19%	16%	18%	15%
% 25 - 29 yrs. old	12%	12%	15%	13%	13%
% 30 - 39 yrs. old	6%	7%	7%	8%	6%
% 40 - 49 yrs. old	2%	3%	3%	3%	4%
% 50 yrs. or older	2%	2%	2%	1%	2%



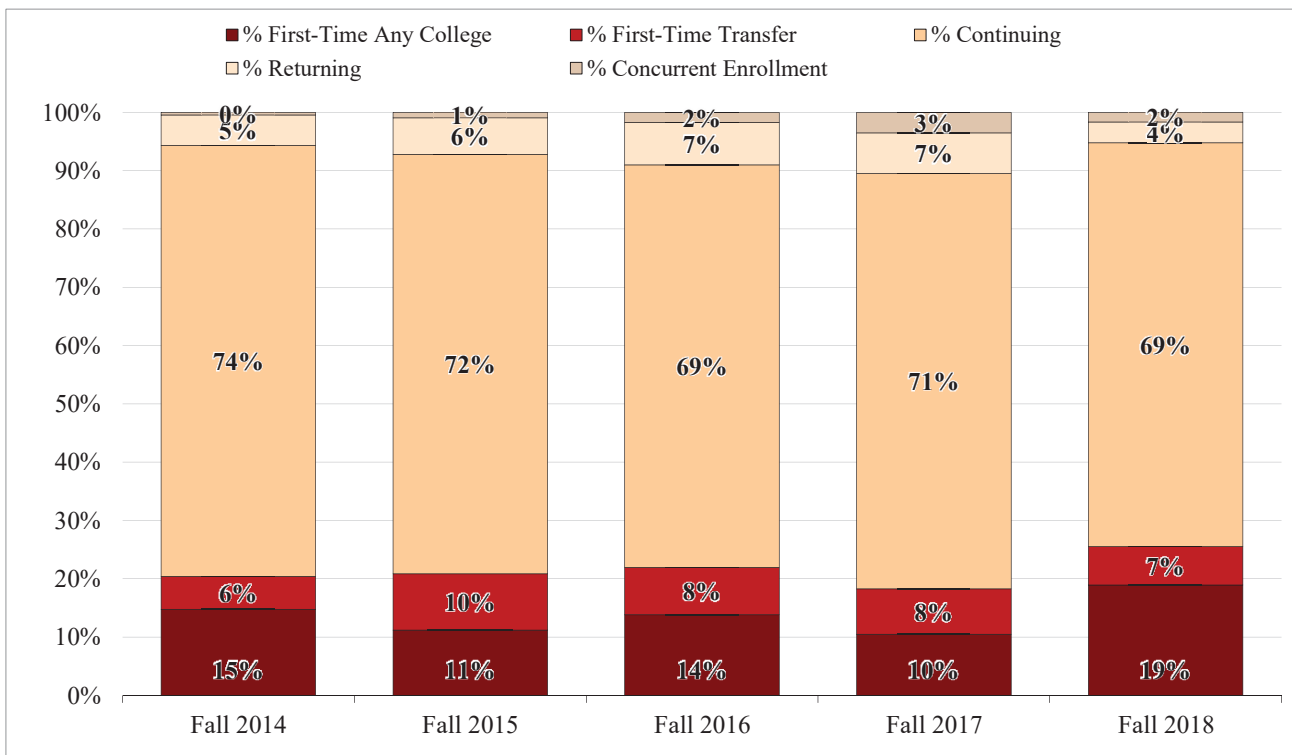
### Student Demographic: Race-Ethnicity

Computer Science ( CS )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
African American	6	10	10	12	12
Asian	50	68	86	95	127
Filipino	11	15	25	19	27
Latino	45	65	65	73	81
Native American	0	0	0	0	0
Pacific Islander	0	2	1	3	3
White	107	145	135	142	135
Multiethnic	11	15	29	26	36
Other/Unknown	1	1	4	2	2
% African American	3%	3%	3%	3%	3%
% Asian	22%	21%	24%	26%	30%
% Filipino	5%	5%	7%	5%	6%
% Latino	19%	20%	18%	20%	19%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	0%	1%	<1%	1%	1%
% White	46%	45%	38%	38%	32%
% Multiethnic	5%	5%	8%	7%	9%
% Other/Unknown	<1%	<1%	1%	1%	<1%



## Student Enrollment Status

Computer Science ( CS )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
First-Time Any College	34	36	49	39	80
First-Time Transfer	13	31	29	29	28
Continuing	170	231	245	265	293
Returning	12	20	26	26	15
Concurrent Enrollment	1	3	6	13	7
% First-Time Any College	15%	11%	14%	10%	19%
% First-Time Transfer	6%	10%	8%	8%	7%
% Continuing	74%	72%	69%	71%	69%
% Returning	5%	6%	7%	7%	4%
% Concurrent Enrollment	<1%	1%	2%	3%	2%



### 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.

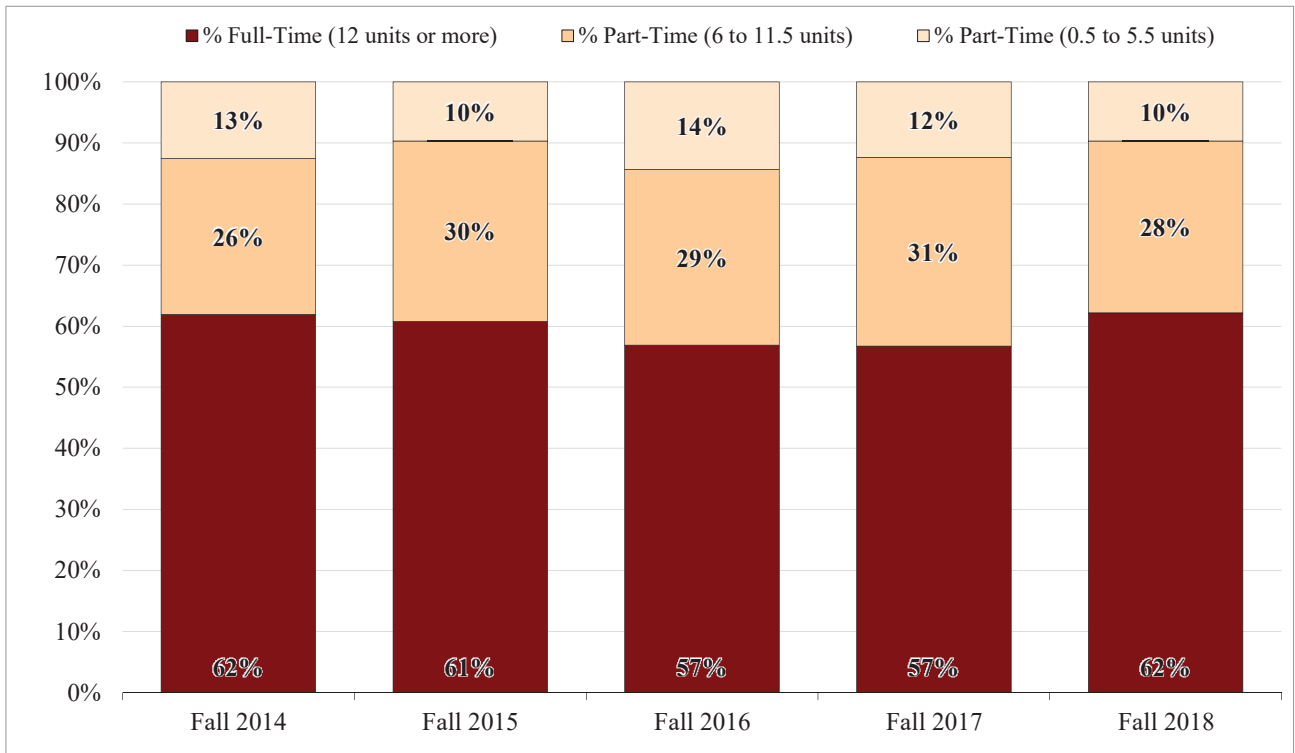
**Continuing:** Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

**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.

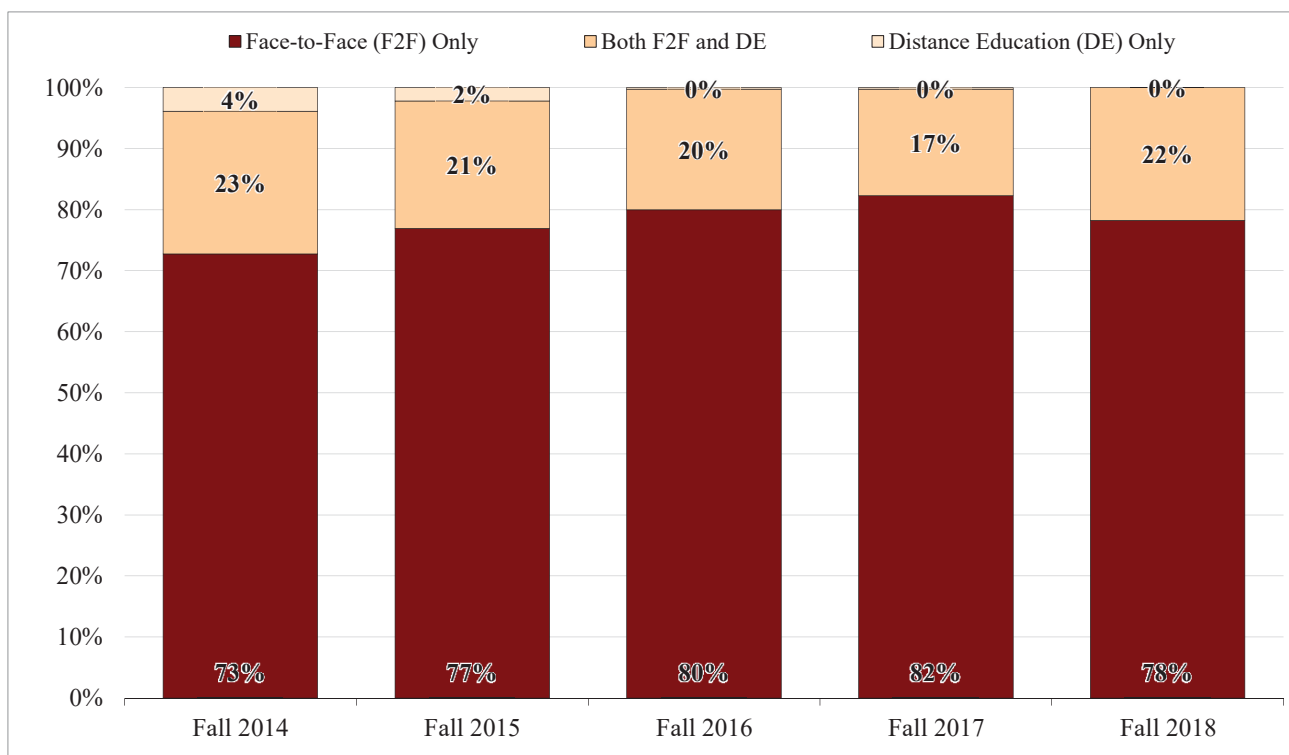
### Student Unit Load

Computer Science ( CS )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Full-Time (12 units or more)	143	195	202	211	263
Part-Time (6 to 11.5 units)	59	95	102	115	119
Part-Time (0.5 to 5.5 units)	29	31	51	46	41
% Full-Time (12 units or more)	62%	61%	57%	57%	62%
% Part-Time (6 to 11.5 units)	26%	30%	29%	31%	28%
% Part-Time (0.5 to 5.5 units)	13%	10%	14%	12%	10%



## Students Using Distance Education

Computer Science ( CS )					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Face-to-Face (F2F) Only	168	247	284	306	331
Both F2F and DE	54	67	70	65	92
Distance Education (DE) Only	9	7	1	1	0
% Face-to-Face (F2F) Only	73%	77%	80%	82%	78%
% Both F2F and DE	23%	21%	20%	17%	22%
% Distance Education (DE) Only	4%	2%	<1%	<1%	0%

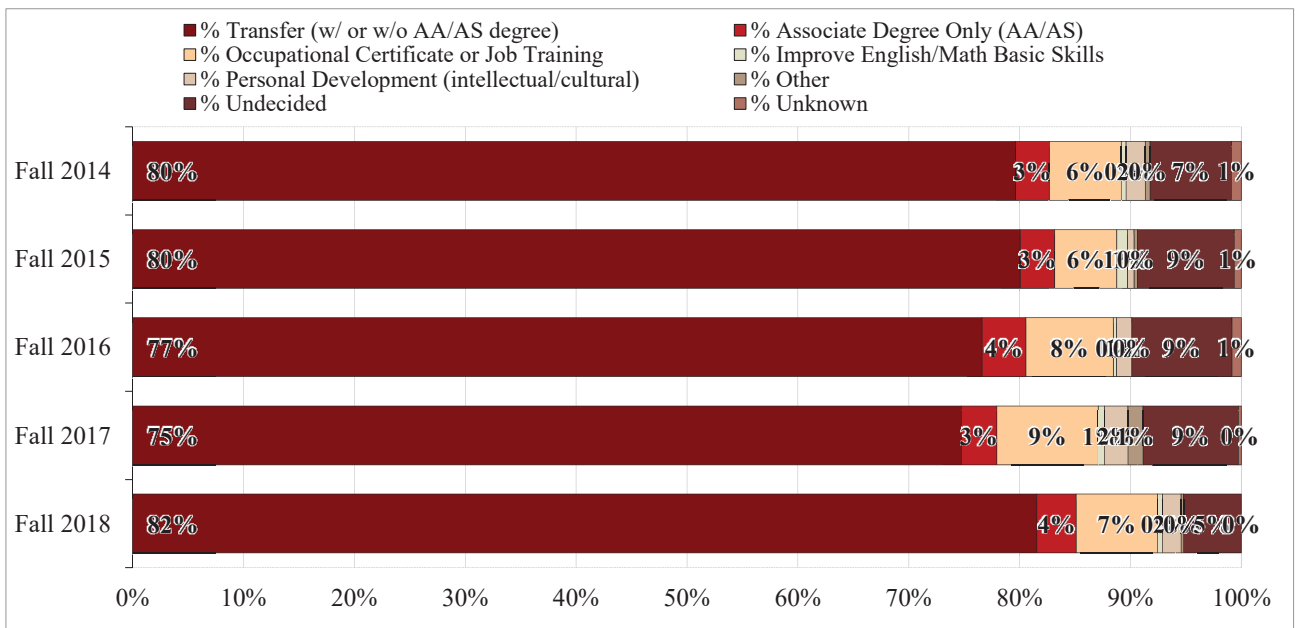


### Definitions:

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

## Student Educational Goal

Computer Science ( CS )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Transfer (w/ or w/o AA/AS degree)	184	257	272	278	345
Associate Degree Only (AA/AS)	7	10	14	12	15
Occupational Certificate or Job Training	15	18	28	34	31
Improve English/Math Basic Skills	1	3	1	2	2
Personal Development (intellectual/cultural)	4	2	5	8	7
Other	1	1	0	5	1
Undecided	17	28	32	32	22
Unknown	2	2	3	1	0
% Transfer (w/ or w/o AA/AS degree)	80%	80%	77%	75%	82%
% Associate Degree Only (AA/AS)	3%	3%	4%	3%	4%
% Occupational Certificate or Job Training	6%	6%	8%	9%	7%
% Improve English/Math Basic Skills	<1%	1%	<1%	1%	<1%
% Personal Development (intellectual/cultural)	2%	1%	1%	2%	2%
% Other	<1%	<1%	0%	1%	<1%
% Undecided	7%	9%	9%	9%	5%
% 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.

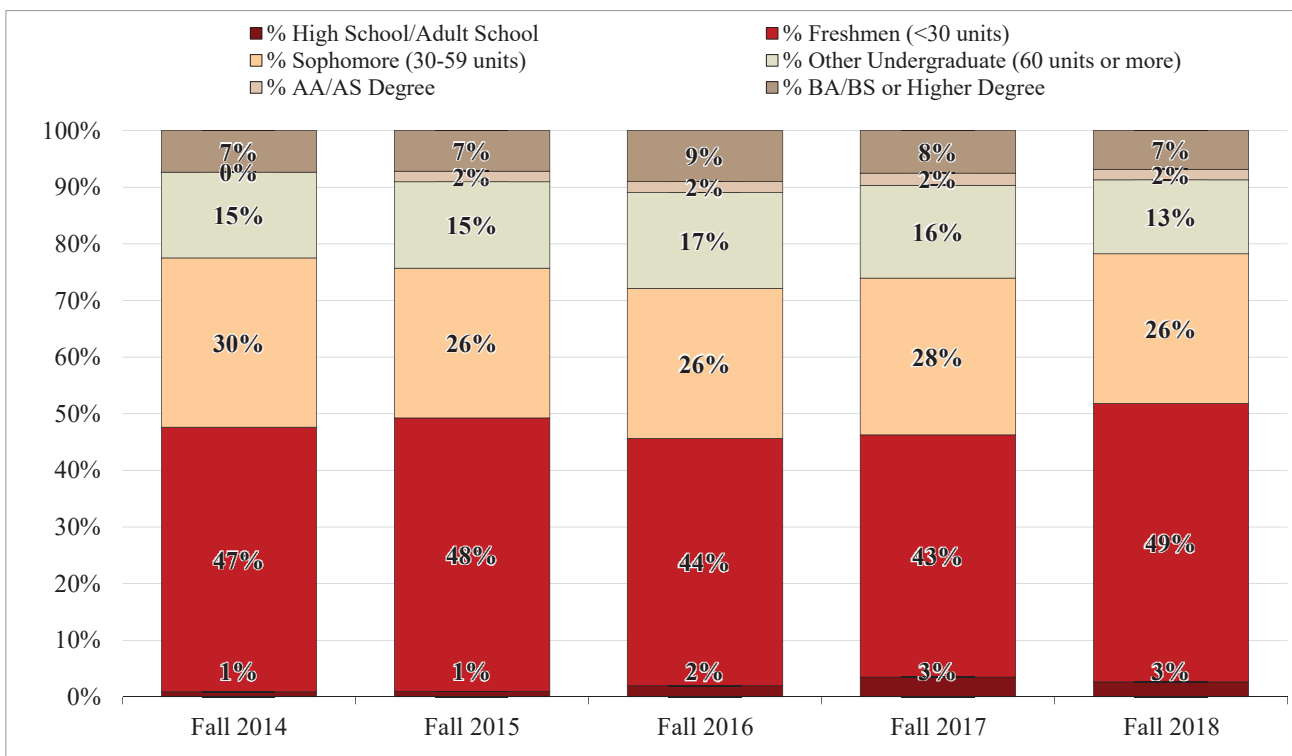
**Personal Development:** Students taking courses for intellectual and/or cultural development.

**Other:** Students completing diploma/GED requirements or moving from non-credit to credit courses. Data from admission application.



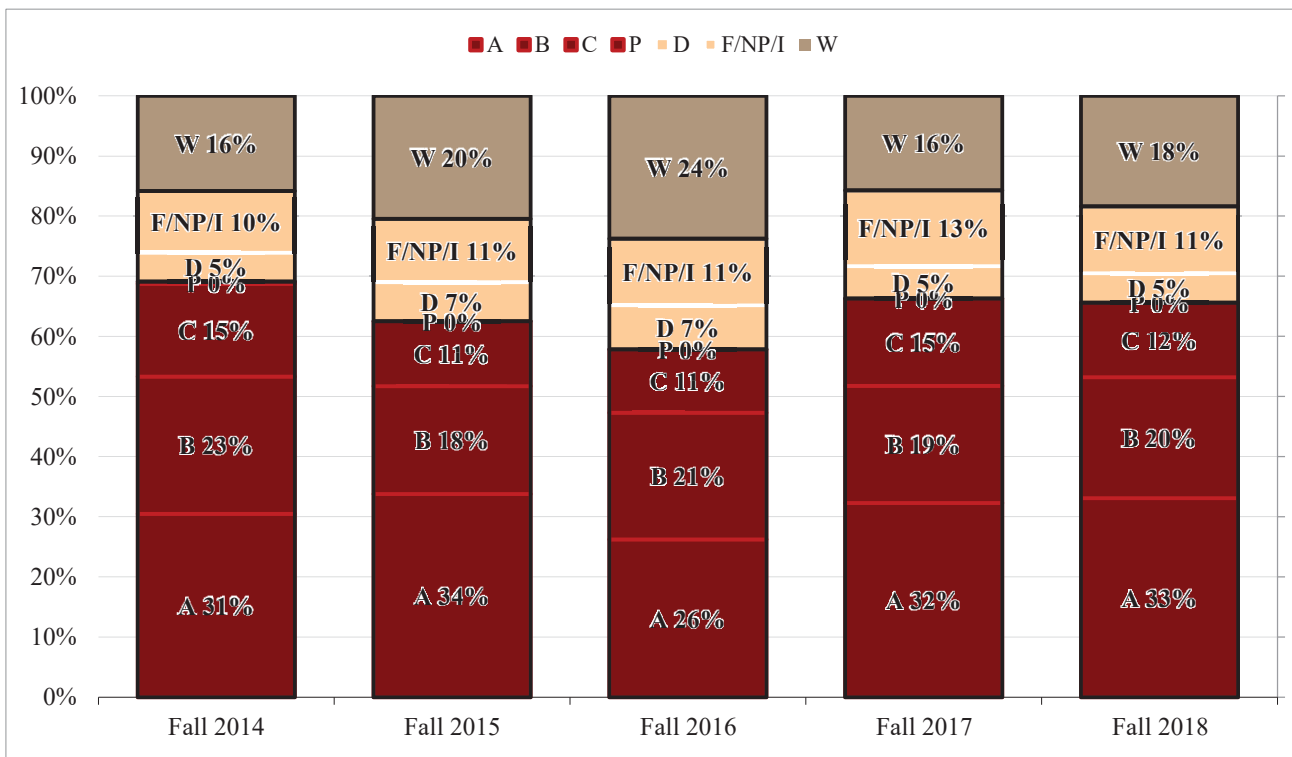
## Highest Educational Level of Students

Computer Science ( CS )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
High School/Adult School	2	3	7	13	11
Freshmen (<30 units)	108	155	155	159	208
Sophomore (30-59 units)	69	85	94	103	112
Other Undergraduate (60 units or more)	35	49	60	61	55
AA/AS Degree	0	6	7	8	8
BA/BS or Higher Degree	17	23	32	28	29
% High School/Adult School	1%	1%	2%	3%	3%
% Freshmen (<30 units)	47%	48%	44%	43%	49%
% Sophomore (30-59 units)	30%	26%	26%	28%	26%
% Other Undergraduate (60 units or more)	15%	15%	17%	16%	13%
% AA/AS Degree	0%	2%	2%	2%	2%
% BA/BS or Higher Degree	7%	7%	9%	8%	7%



## Student Performance: Grade Distribution

Computer Science ( CS )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
<b>Total Course Enrollments</b>	<b>271</b>	<b>353</b>	<b>408</b>	<b>427</b>	<b>468</b>
<b>Course Success Rates</b>	<b>69%</b>	<b>63%</b>	<b>58%</b>	<b>66%</b>	<b>66%</b>
A	31%	34%	26%	32%	33%
B	23%	18%	21%	19%	20%
C	15%	11%	11%	15%	12%
P	<1%	0%	0%	0%	0%
<b>Course Non-Success Rate</b>	<b>15%</b>	<b>17%</b>	<b>18%</b>	<b>18%</b>	<b>16%</b>
D	5%	7%	7%	5%	5%
F/NP/I	10%	11%	11%	13%	11%
<b>Withdrawals (W)</b>	<b>16%</b>	<b>20%</b>	<b>24%</b>	<b>16%</b>	<b>18%</b>



### Definitions:

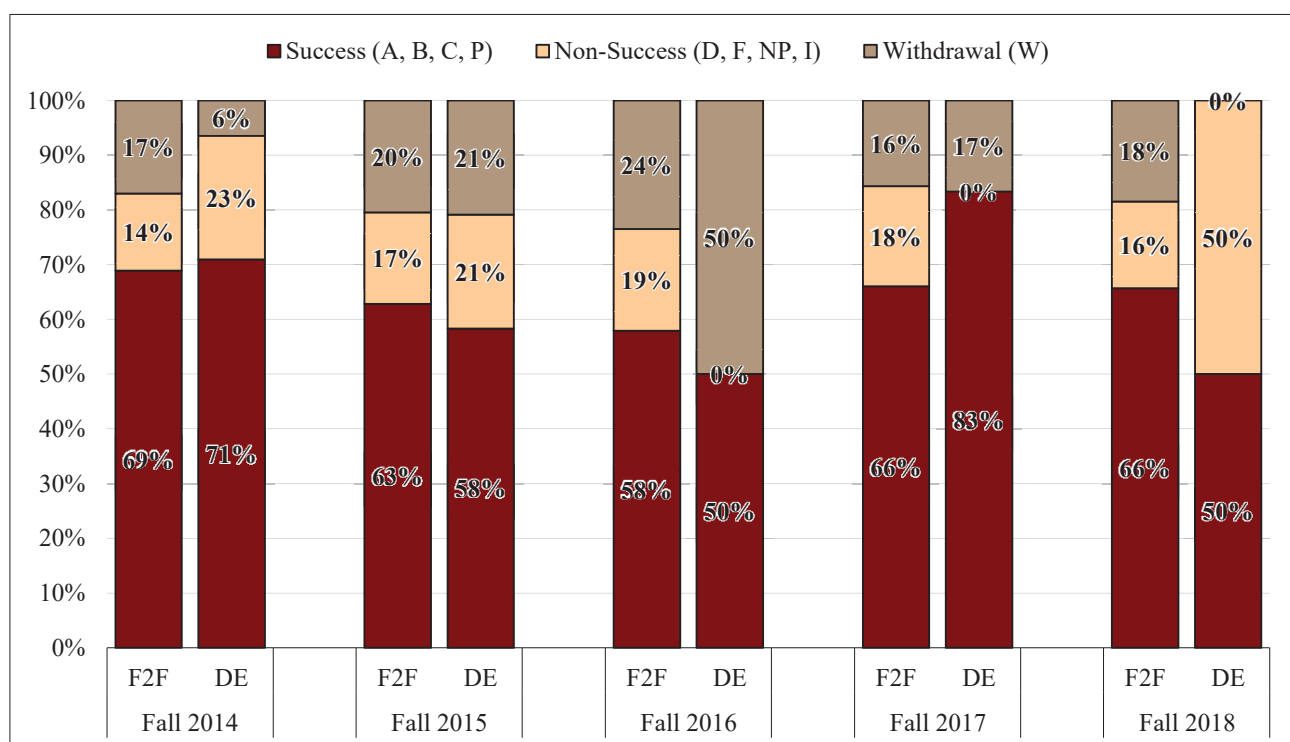
**Course Success Rate** is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

**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.

## Student Performance: Distance Education

Computer Science ( CS )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
<b>Total Course Enrollments</b>	<b>271</b>	<b>353</b>	<b>408</b>	<b>427</b>	<b>468</b>
<b>Face-to-Face (F2F) Sections</b>	<b>240</b>	<b>329</b>	<b>404</b>	<b>421</b>	<b>466</b>
Success Rates	69%	63%	58%	66%	66%
Non-Success Rates	14%	17%	19%	18%	16%
Withdrawals	17%	20%	24%	16%	18%
<b>Distance Education (DE) Sections</b>	<b>31</b>	<b>24</b>	<b>4</b>	<b>6</b>	<b>2</b>
Success Rates	71%	58%	50%	83%	50%
Non-Success Rates	23%	21%	0%	0%	50%
Withdrawals	6%	21%	50%	17%	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.

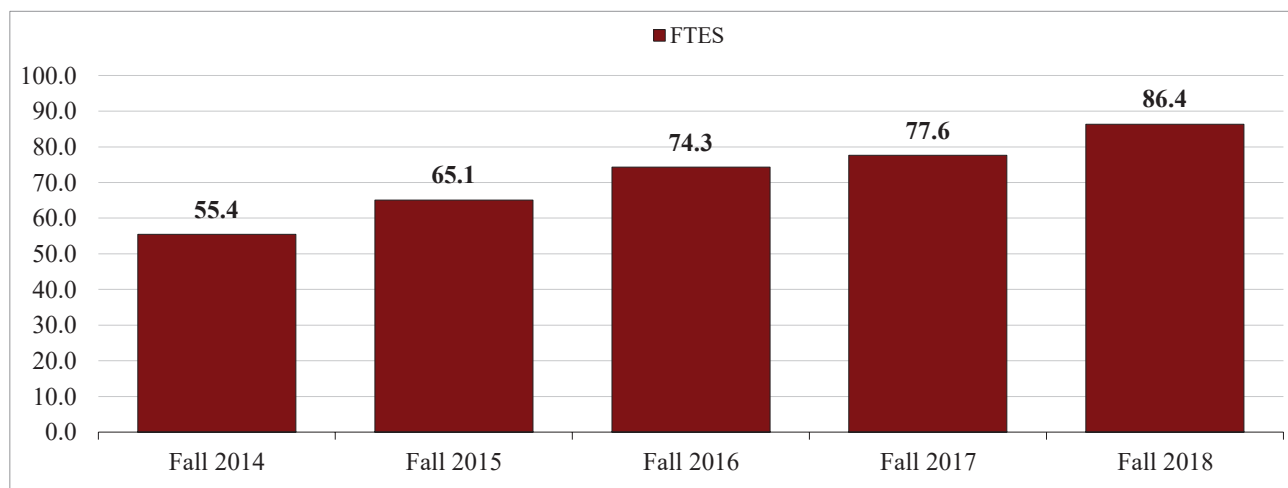
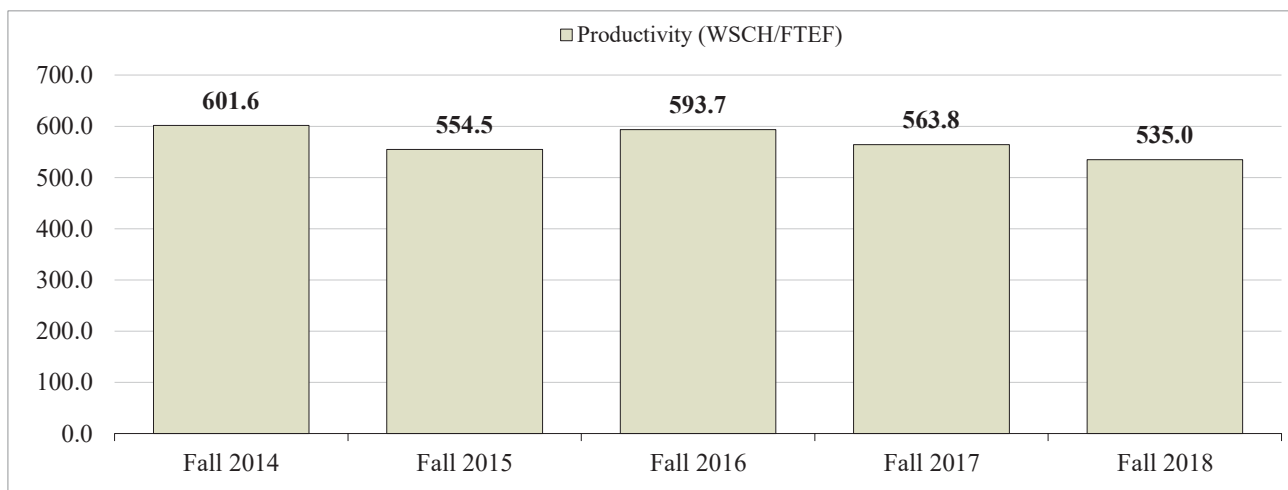
**Course Non-Success Rate** is the percentage of students receiving a grade of ('D', 'F', 'NP' or 'I') relative to all students receiving a grade.

**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 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
WSCH	1,703	2,014	2,364	2,466	2,692
FTES	55.4	65.1	74.3	77.6	86.4
FTEF	2.8	3.6	4.0	4.4	5.0
Productivity (WSCH/FTEF)	601.6	554.5	593.7	563.8	535.0



### 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.

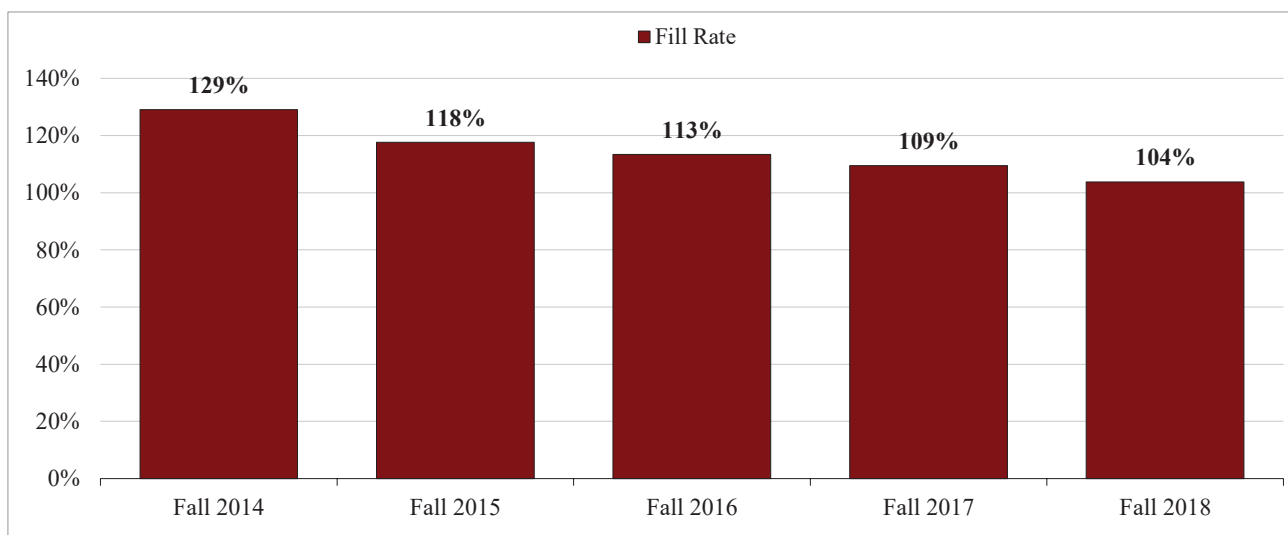
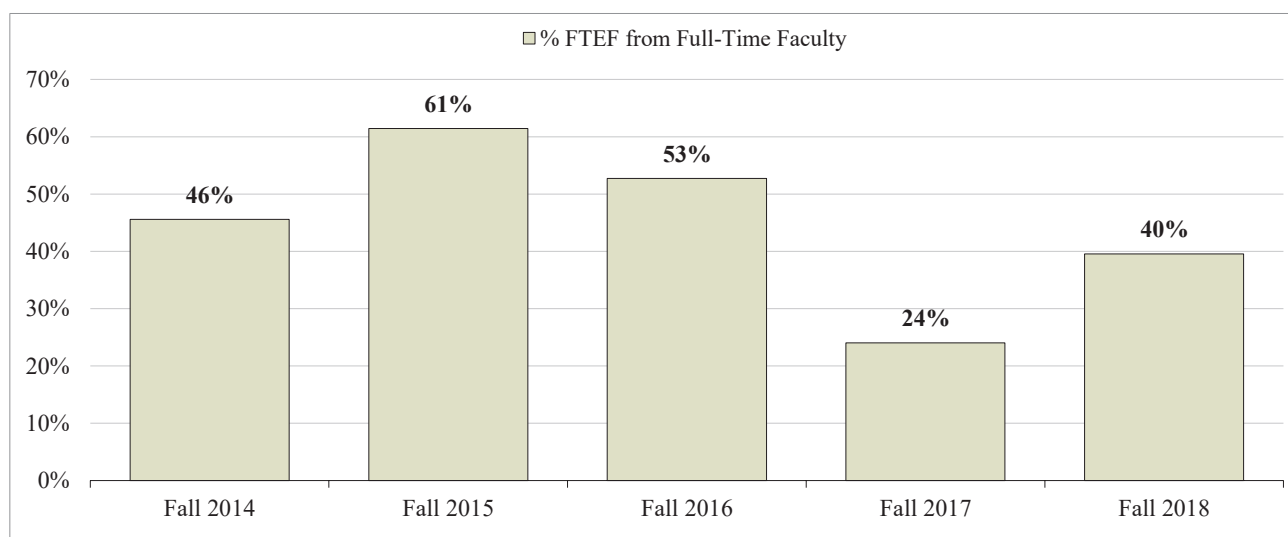
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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

**Note:** Enrollment Management data 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 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
FTEF from Full-Time Faculty	1.3	2.2	2.1	1.1	2.0
% FTEF from Full-Time Faculty	46%	61%	53%	24%	40%
Enrollments	271	353	408	427	468
Capacity (seats available)	210	300	360	390	451
Fill Rate	129%	118%	113%	109%	104%



### Definitions:

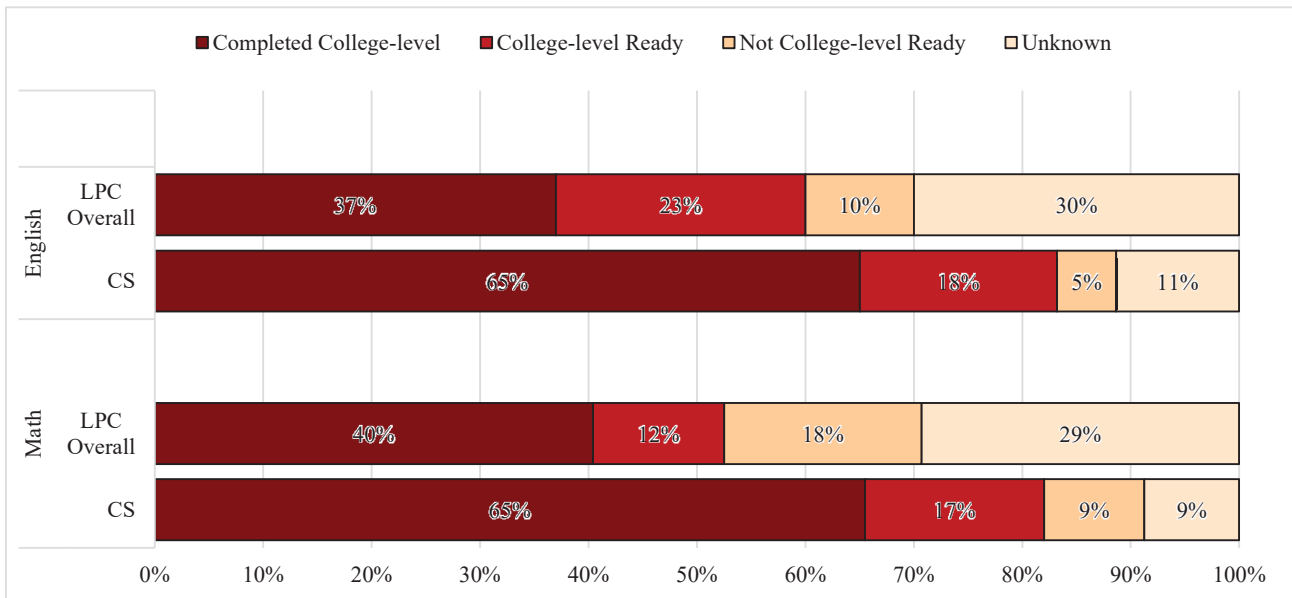
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% 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 2018				
	CS		LPC Overall	
	Num	Pct	Num	Pct
<b>College English</b>				
Completed College-level	275	65%	4,858	52%
College-level Ready	77	18%	2,005	22%
Not College-level Ready	23	6%	675	7%
Unknown	48	11%	1,776	19%
<b>College Math</b>				
Completed College-level	277	65%	4,134	44%
College-level Ready	70	17%	1,812	19%
Not College-level Ready	39	9%	1,583	17%
Unknown	37	9%	1,785	19%



### 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 successfully 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 successfully complete the course.

**Not College-level Ready** is defined as anyone who is not eligible for MATH 55 but has not yet successfully complete the course.

**Unknown** is defined as anyone with no previous Math enrollments within the sequence and no previous Math assessment.