



Las Positas College  
**Program Review Discipline Data Packet**  
Fall 2013 to Fall 2017

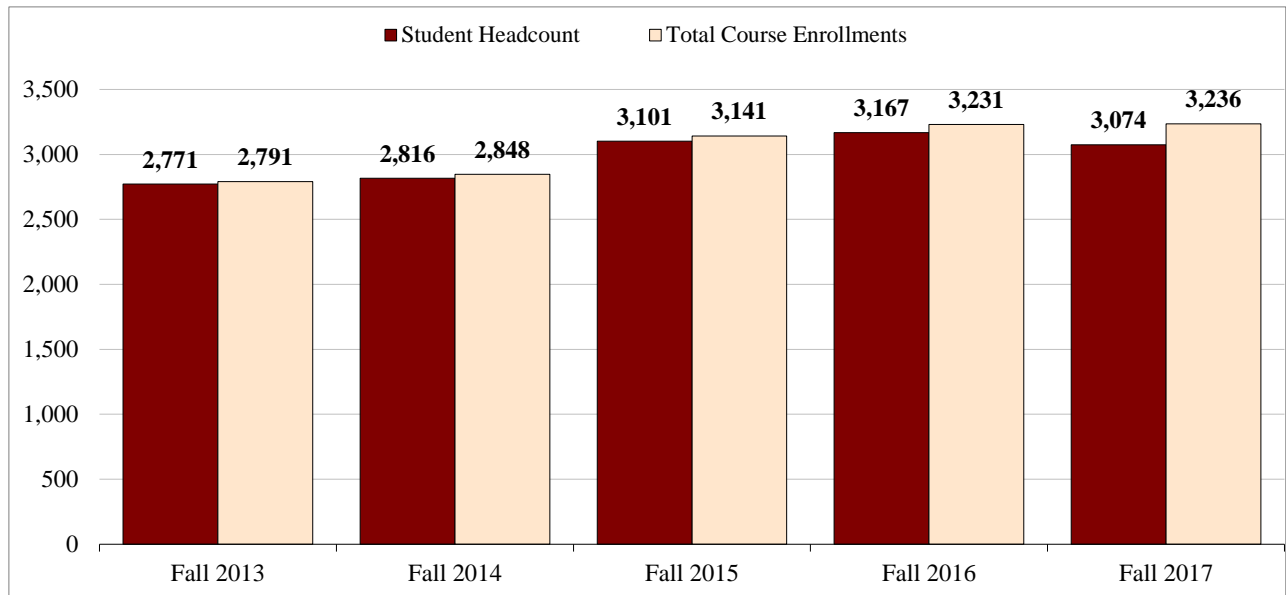
Discipline:

**Mathematics (MATH)**

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## Headcount & Enrollment

Mathematics ( MATH )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
Student Headcount	2,771	2,816	3,101	3,167	3,074
Total Course Enrollments	2,791	2,848	3,141	3,231	3,236



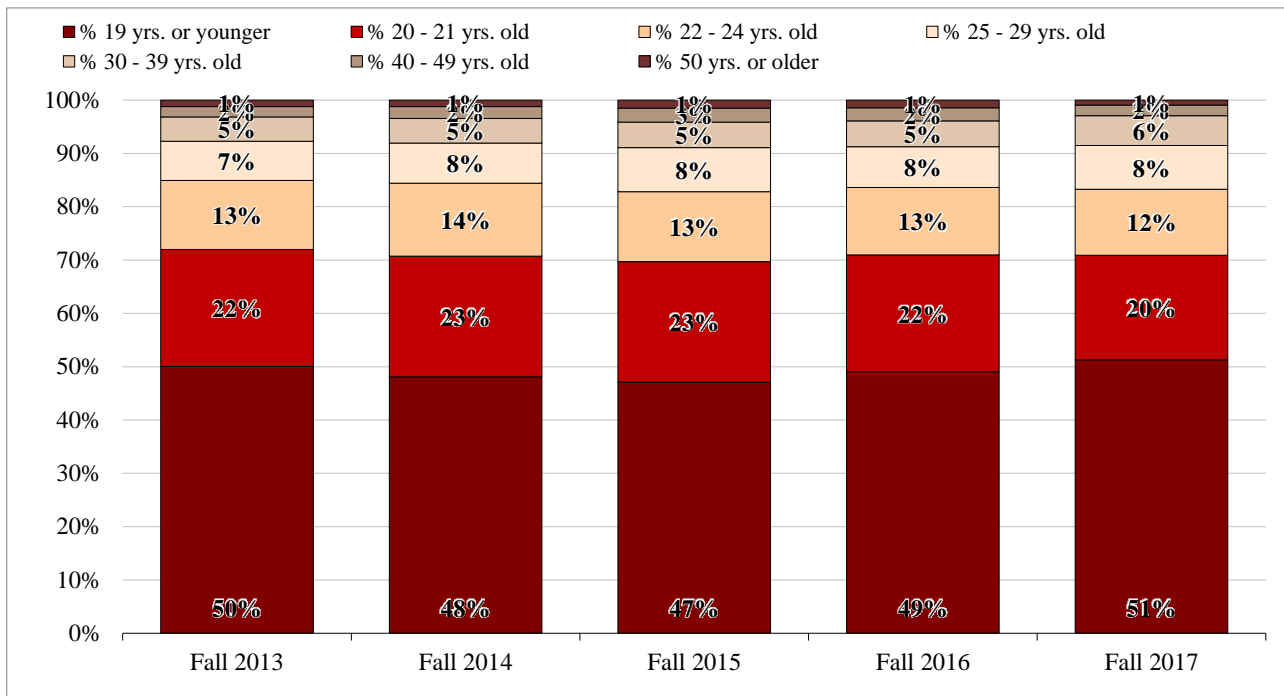
**Definitions:**

**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.

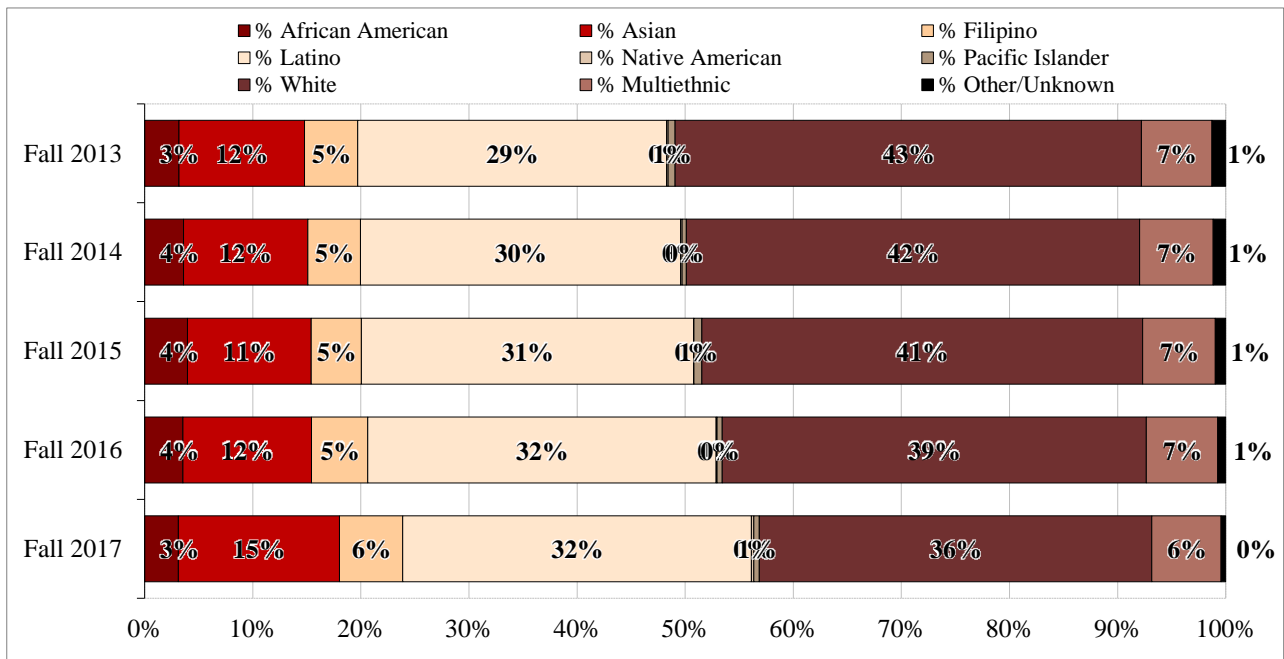
### Student Demographics: Gender & Age

Mathematics ( MATH )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
Female	1,296	1,295	1,415	1,504	1,436
Male	1,453	1,497	1,646	1,625	1,588
19 yrs. or younger	1,386	1,354	1,461	1,553	1,577
20-21 yrs. old	609	638	701	694	602
22-24 yrs. old	359	385	407	402	381
25-29 yrs. old	203	212	256	241	252
30-39 yrs. old	127	131	148	153	172
40-49 yrs. old	53	62	82	78	62
50 yrs. or older	34	34	46	46	28
% Female	47%	46%	46%	48%	47%
% Male	53%	54%	54%	52%	53%
% 19 yrs. or younger	50%	48%	47%	49%	51%
% 20 - 21 yrs. old	22%	23%	23%	22%	20%
% 22 - 24 yrs. old	13%	14%	13%	13%	12%
% 25 - 29 yrs. old	7%	8%	8%	8%	8%
% 30 - 39 yrs. old	5%	5%	5%	5%	6%
% 40 - 49 yrs. old	2%	2%	3%	2%	2%
% 50 yrs. or older	1%	1%	1%	1%	1%



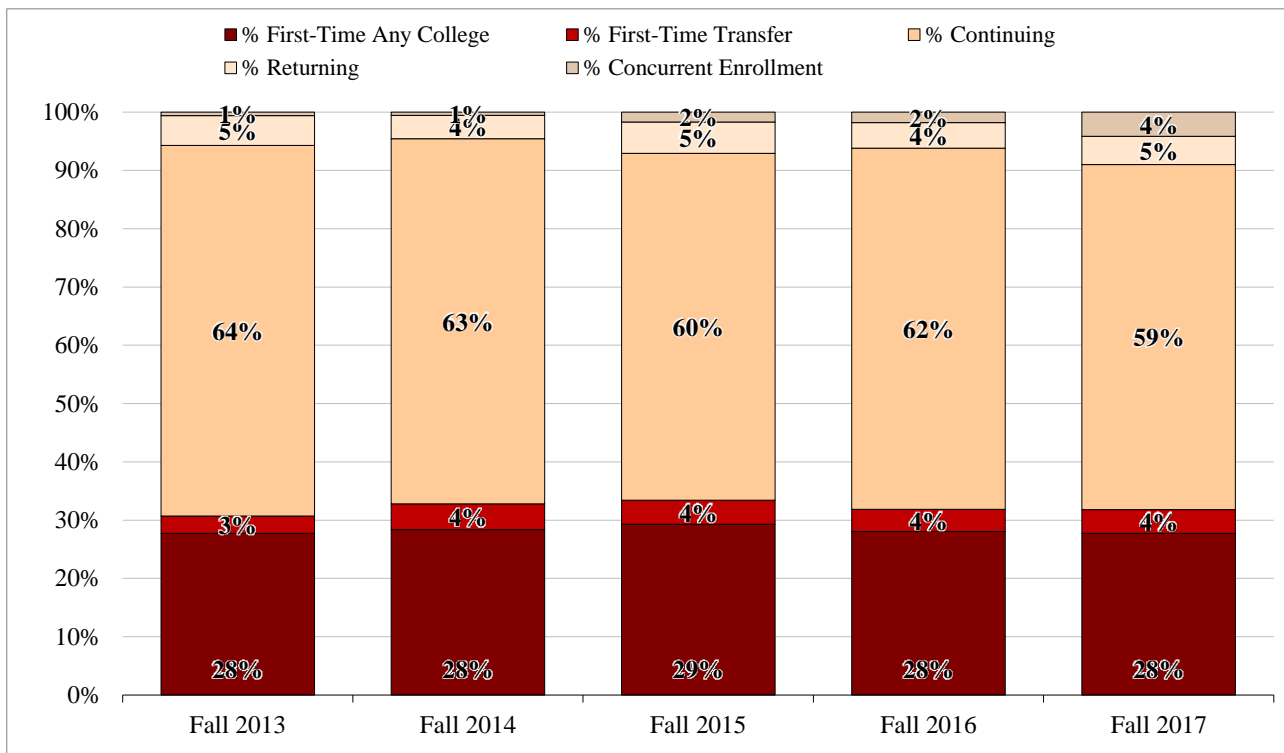
### Student Demographic: Race-Ethnicity

Mathematics ( MATH )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
African American	88	101	123	112	96
Asian	322	324	355	377	458
Filipino	136	137	144	165	180
Latino	792	834	953	1,020	991
Native American	4	4	1	3	7
Pacific Islander	18	11	22	15	16
White	1,195	1,181	1,265	1,242	1,116
Multiethnic	181	191	208	210	197
Other/Unknown	35	33	30	23	13
% African American	3%	4%	4%	4%	3%
% Asian	12%	12%	11%	12%	15%
% Filipino	5%	5%	5%	5%	6%
% Latino	29%	30%	31%	32%	32%
% Native American	<1%	<1%	<1%	<1%	<1%
% Pacific Islander	1%	<1%	1%	<1%	1%
% White	43%	42%	41%	39%	36%
% Multiethnic	7%	7%	7%	7%	6%
% Other/Unknown	1%	1%	1%	1%	<1%



### Student Enrollment Status

	Mathematics ( MATH )				
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
First-Time Any College	769	799	908	889	853
First-Time Transfer	82	125	128	120	125
Continuing	1,761	1,762	1,846	1,962	1,820
Returning	141	113	167	139	148
Concurrent Enrollment	17	16	52	57	128
% First-Time Any College	28%	28%	29%	28%	28%
% First-Time Transfer	3%	4%	4%	4%	4%
% Continuing	64%	63%	60%	62%	59%
% Returning	5%	4%	5%	4%	5%
% Concurrent Enrollment	1%	1%	2%	2%	4%



**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.

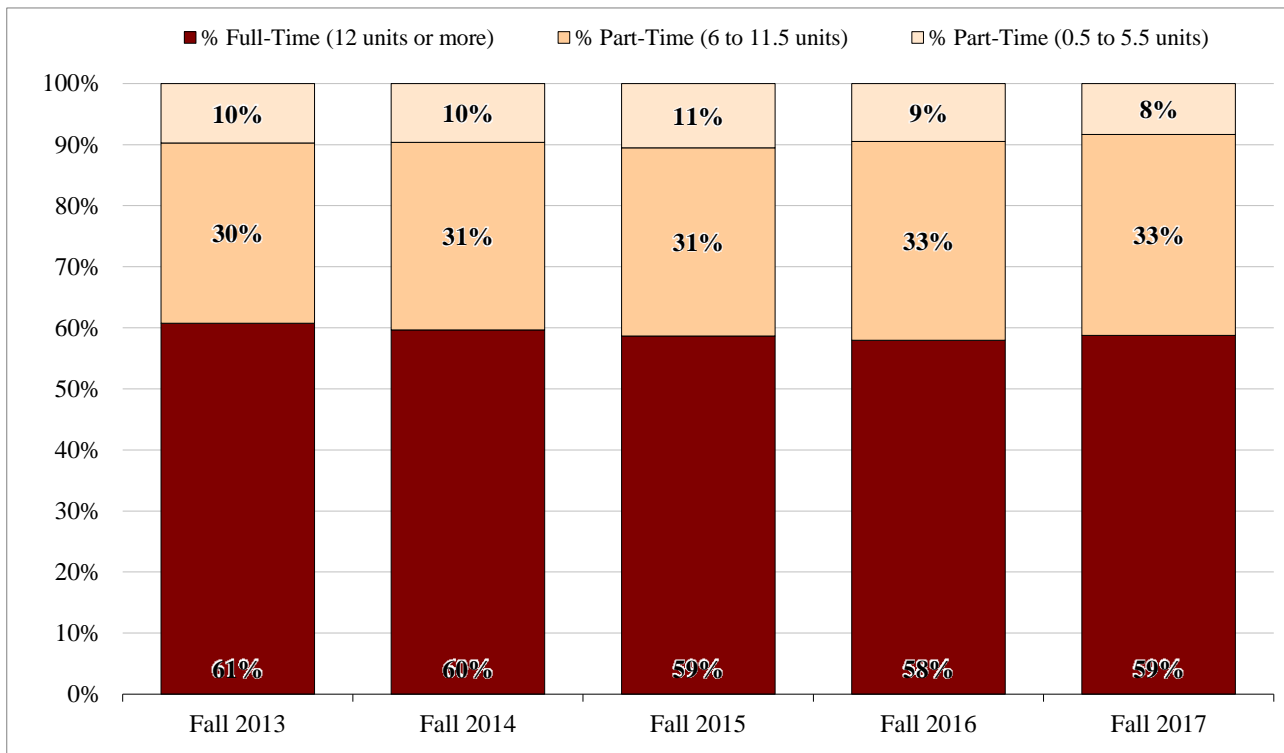
**Continuing:** Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

**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.

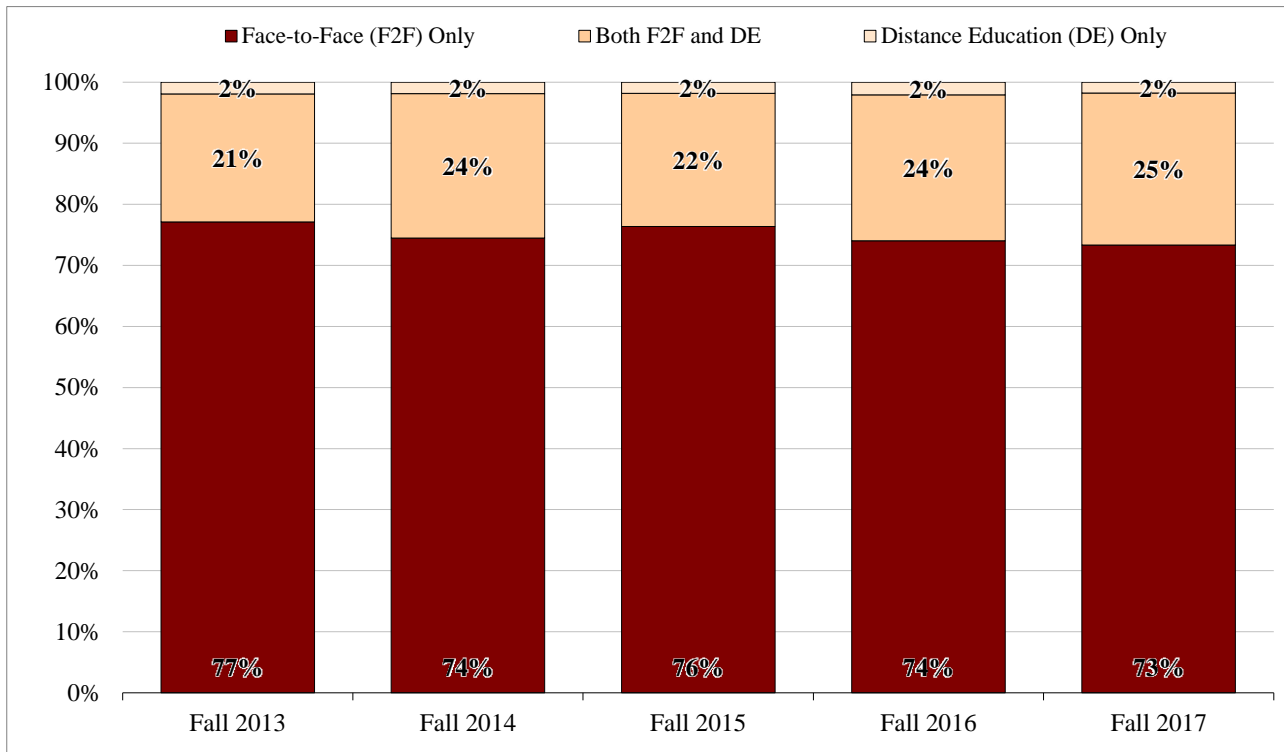
### Student Unit Load

Mathematics ( MATH )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
Full-Time (12 units or more)	1,683	1,680	1,819	1,836	1,806
Part-Time (6 to 11.5 units)	818	865	955	1,031	1,012
Part-Time (0.5 to 5.5 units)	270	271	327	300	256
% Full-Time (12 units or more)	61%	60%	59%	58%	59%
% Part-Time (6 to 11.5 units)	30%	31%	31%	33%	33%
% Part-Time (0.5 to 5.5 units)	10%	10%	11%	9%	8%



### Students Using Distance Education

Mathematics ( MATH )					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
Face-to-Face (F2F) Only	2,137	2,097	2,368	2,345	2,254
Both F2F and DE	581	666	677	757	766
Distance Education (DE) Only	53	53	56	65	54
% Face-to-Face (F2F) Only	77%	74%	76%	74%	73%
% Both F2F and DE	21%	24%	22%	24%	25%
% Distance Education (DE) Only	2%	2%	2%	2%	2%

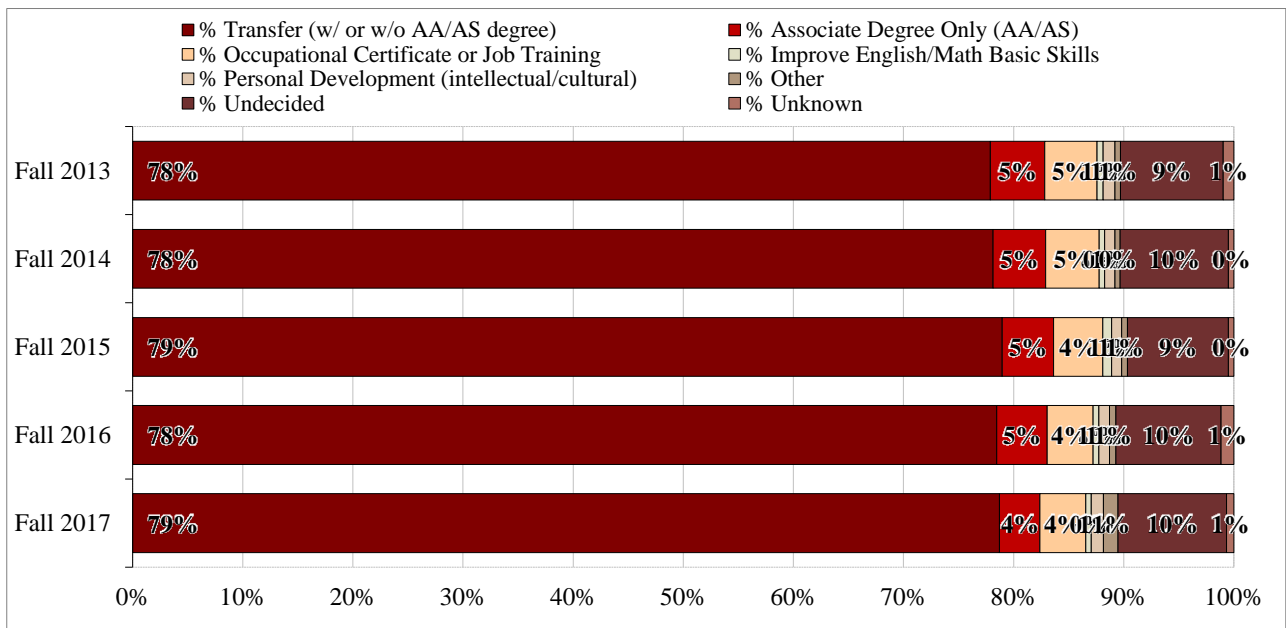


**Definitions:**

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

### Student Educational Goal

Mathematics ( MATH )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
Transfer (w/ or w/o AA/AS degree)	2,158	2,200	2,449	2,485	2,420
Associate Degree Only (AA/AS)	137	135	144	145	113
Occupational Certificate or Job Training	132	137	139	132	128
Improve English/Math Basic Skills	15	14	25	17	15
Personal Development (intellectual/cultural)	30	26	28	30	34
Other	14	13	16	19	41
Undecided	258	277	285	302	303
Unknown	27	14	15	37	20
% Transfer (w/ or w/o AA/AS degree)	78%	78%	79%	78%	79%
% Associate Degree Only (AA/AS)	5%	5%	5%	5%	4%
% Occupational Certificate or Job Training	5%	5%	4%	4%	4%
% Improve English/Math Basic Skills	1%	0%	1%	1%	<1%
% Personal Development (intellectual/cultural)	1%	1%	1%	1%	1%
% Other	1%	<1%	1%	1%	1%
% Undecided	9%	10%	9%	10%	10%
% Unknown	1%	0%	<1%	1%	1%



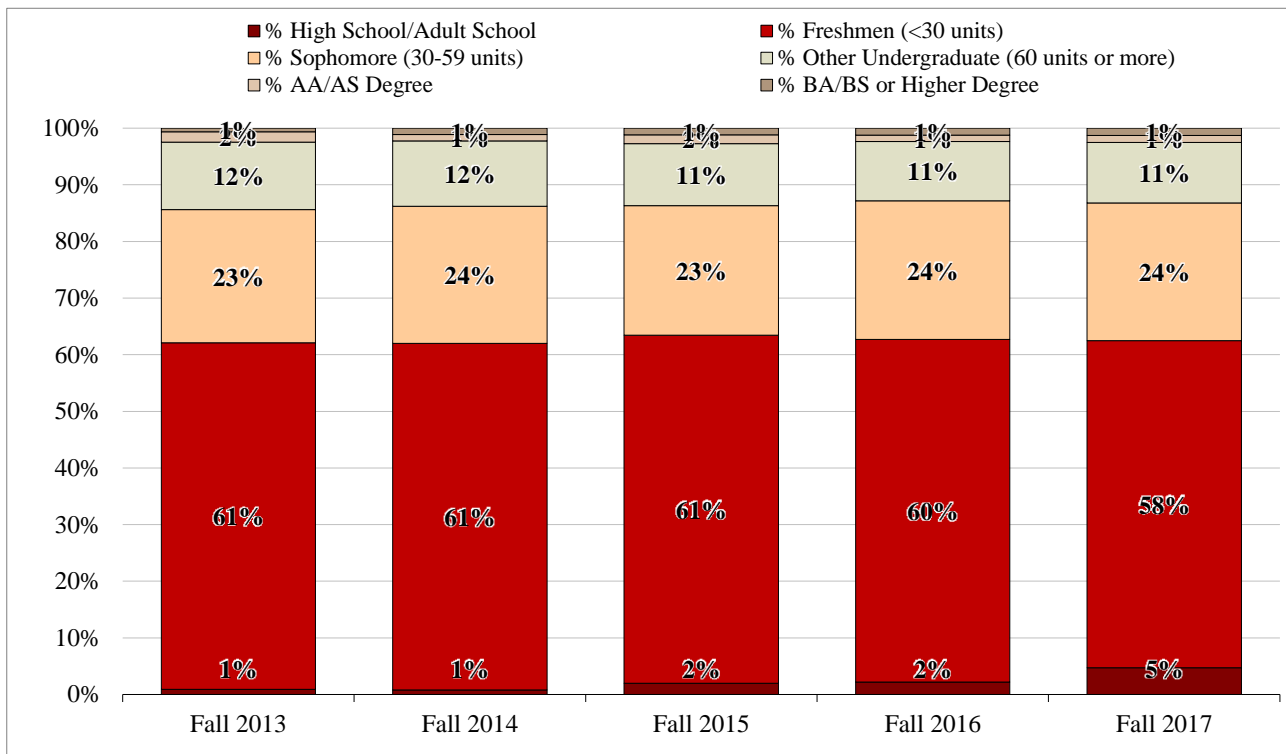
**Definitions:**

- 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.



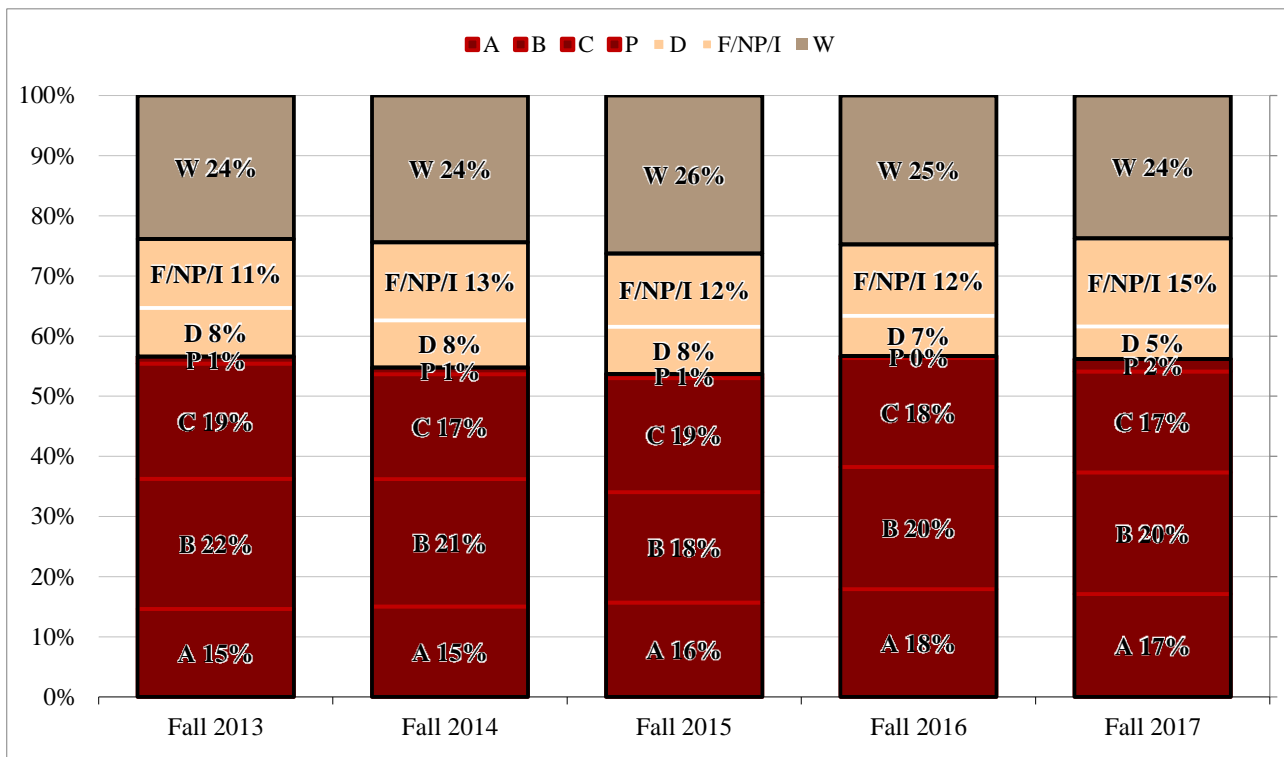
### Highest Educational Level of Students

	Mathematics ( MATH )				
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
High School/Adult School	25	23	62	69	145
Freshmen (<30 units)	1,696	1,723	1,905	1,916	1,775
Sophomore (30-59 units)	651	681	709	775	749
Other Undergraduate (60 units or more)	330	326	340	333	327
AA/AS Degree	52	32	49	35	39
BA/BS or Higher Degree	17	31	36	39	39
% High School/Adult School	1%	1%	2%	2%	5%
% Freshmen (<30 units)	61%	61%	61%	60%	58%
% Sophomore (30-59 units)	23%	24%	23%	24%	24%
% Other Undergraduate (60 units or more)	12%	12%	11%	11%	11%
% AA/AS Degree	2%	1%	2%	1%	1%
% BA/BS or Higher Degree	1%	1%	1%	1%	1%



### Student Performance: Grade Distribution

Mathematics ( MATH )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
<b>Total Course Enrollments</b>	<b>2,791</b>	<b>2,848</b>	<b>3,141</b>	<b>3,231</b>	<b>3,236</b>
<b>Course Success Rates</b>	<b>57%</b>	<b>55%</b>	<b>54%</b>	<b>57%</b>	<b>56%</b>
A	15%	15%	16%	18%	17%
B	22%	21%	18%	20%	20%
C	19%	17%	19%	18%	17%
P	1%	1%	1%	<1%	2%
<b>Course Non-Success Rate</b>	<b>20%</b>	<b>21%</b>	<b>20%</b>	<b>19%</b>	<b>20%</b>
D	8%	8%	8%	7%	5%
F/NP/I	11%	13%	12%	12%	15%
<b>Withdrawals (W)</b>	<b>24%</b>	<b>24%</b>	<b>26%</b>	<b>25%</b>	<b>24%</b>



**Definitions:**

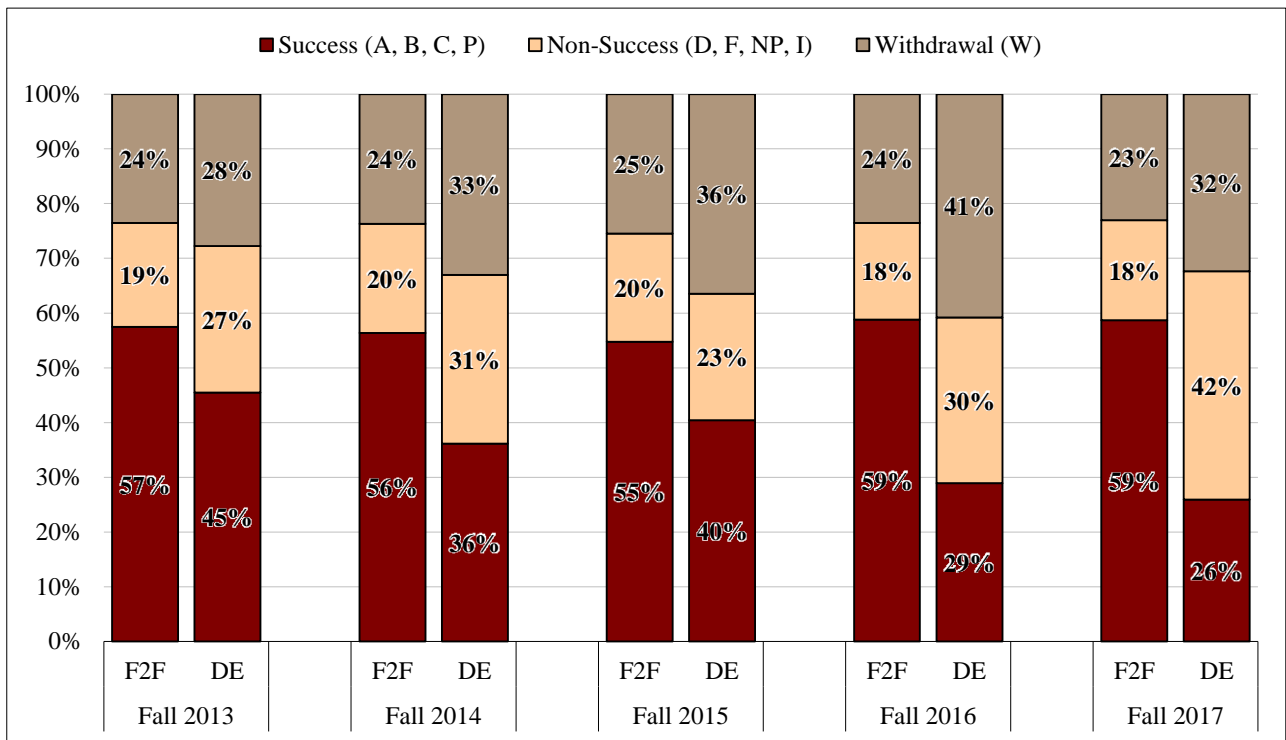
**Course Success Rate** is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

**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**

<b>Mathematics ( MATH )</b>					
	<b>Term</b>				
	<b>Fall 2013</b>	<b>Fall 2014</b>	<b>Fall 2015</b>	<b>Fall 2016</b>	<b>Fall 2017</b>
<b>Total Course Enrollments</b>	<b>2,791</b>	<b>2,848</b>	<b>3,141</b>	<b>3,231</b>	<b>3,236</b>
<b>Face-to-Face (F2F) Sections</b>	<b>2582</b>	<b>2624</b>	<b>2916</b>	<b>3003</b>	<b>2989</b>
Success Rates	57%	56%	55%	59%	59%
Non-Success Rates	19%	20%	20%	18%	18%
Withdrawals	24%	24%	25%	24%	23%
<b>Distance Education (DE) Sections</b>	<b>209</b>	<b>224</b>	<b>225</b>	<b>228</b>	<b>247</b>
Success Rates	45%	36%	40%	29%	26%
Non-Success Rates	27%	31%	23%	30%	42%
Withdrawals	28%	33%	36%	41%	32%

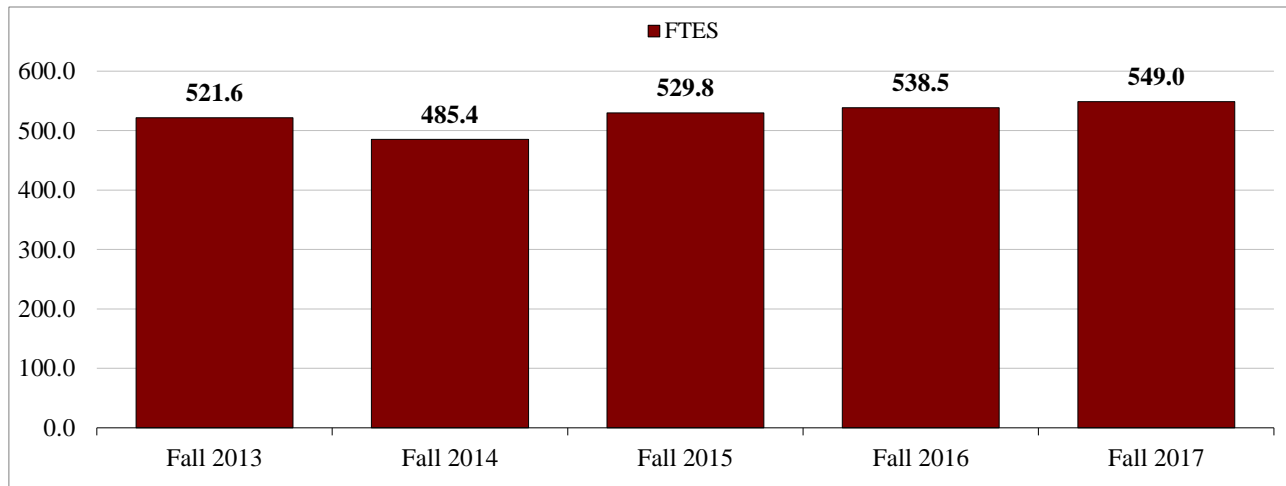
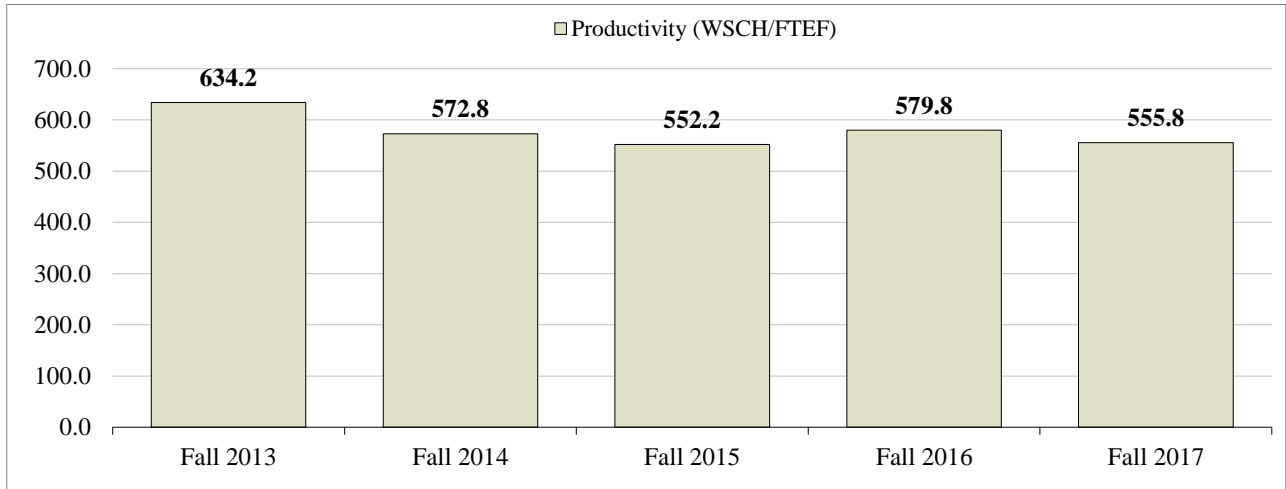


**Definitions:**

- 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

	Mathematics ( MATH )				
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
WSCH	15,878	14,832	16,260	16,527	16,850
FTEF	521.6	485.4	529.8	538.5	549.0
FTEF	25.0	25.9	29.4	28.5	30.3
Productivity (WSCH/FTEF)	634.2	572.8	552.2	579.8	555.8



**Definitions:**

**WSCH** is the total Weekly Student Contact Hours resulting from all enrollment within the discipline.

**FTEF** is the total Full Time Equivalent Student value resulting from all enrollment within the discipline.

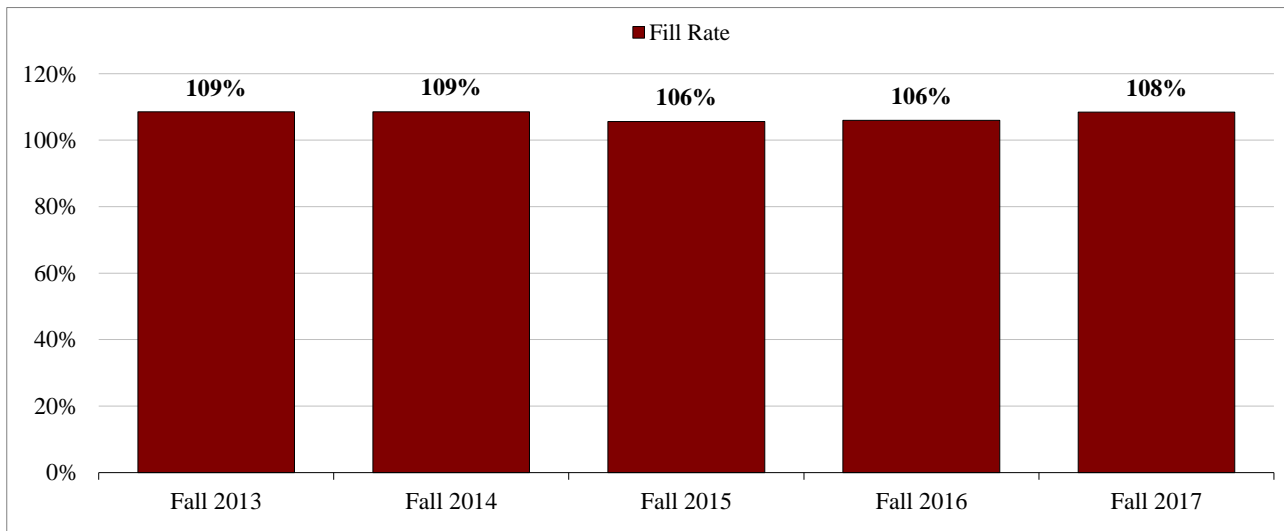
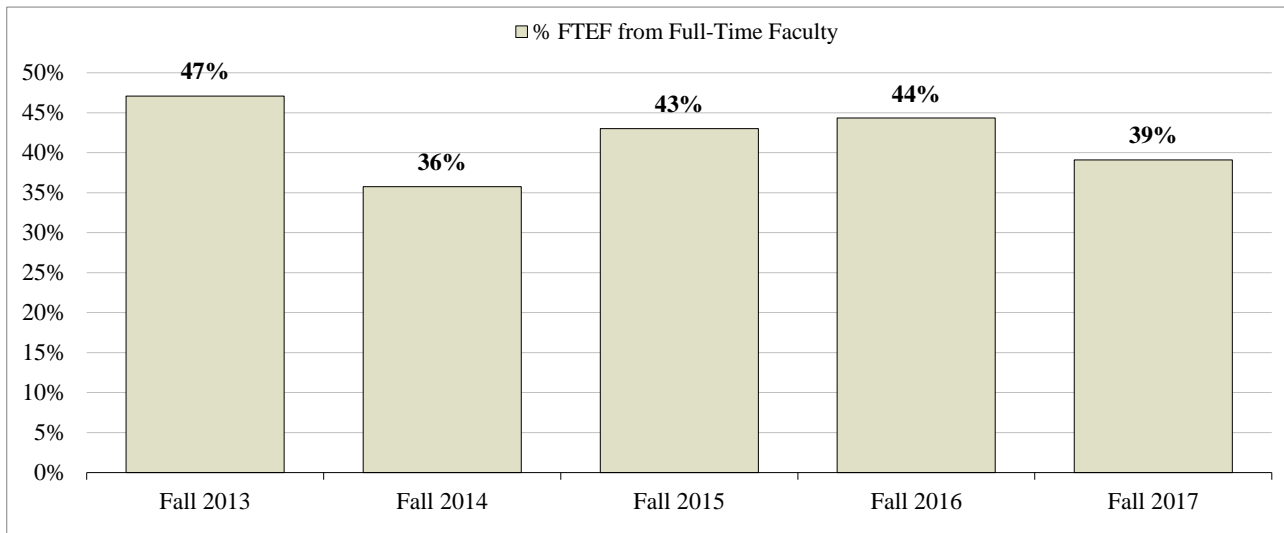
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

**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

	Mathematics ( MATH )				
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
FTEF from Full-Time Faculty	11.8	9.3	12.7	12.6	11.9
% FTEF from Full-Time Faculty	47%	36%	43%	44%	39%
Enrollments	2,791	2,848	3,141	3,231	3,236
Capacity (seats available)	2,572	2,624	2,974	3,050	2,985
Fill Rate	109%	109%	106%	106%	108%



**Definitions:**

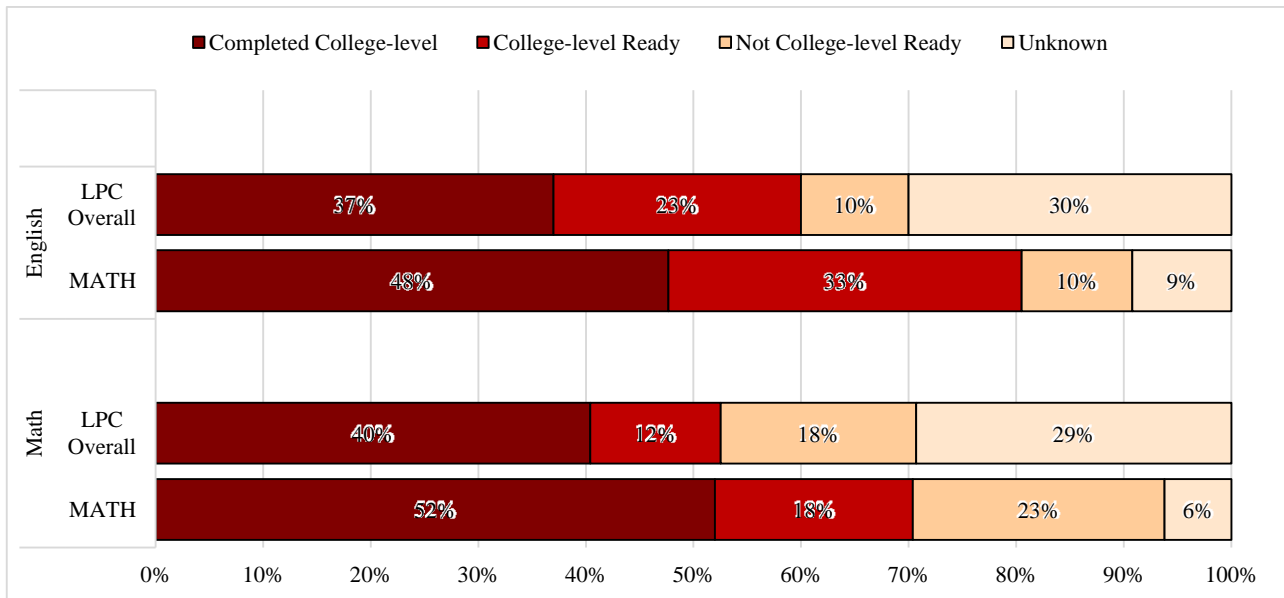
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% 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				
	MATH		LPC Overall	
	Num	Pct	Num	Pct
<b>College English</b>				
Completed College-level	1,465	48%	3,485	37%
College-level Ready	1,010	31%	2,141	23%
Not College-level Ready	316	11%	904	10%
Unknown	283	9%	2,842	30%
<b>College Math</b>				
Completed College-level	1,598	52%	3,738	40%
College-level Ready	566	18%	1,138	12%
Not College-level Ready	719	23%	1,733	18%
Unknown	191	6%	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 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.