



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

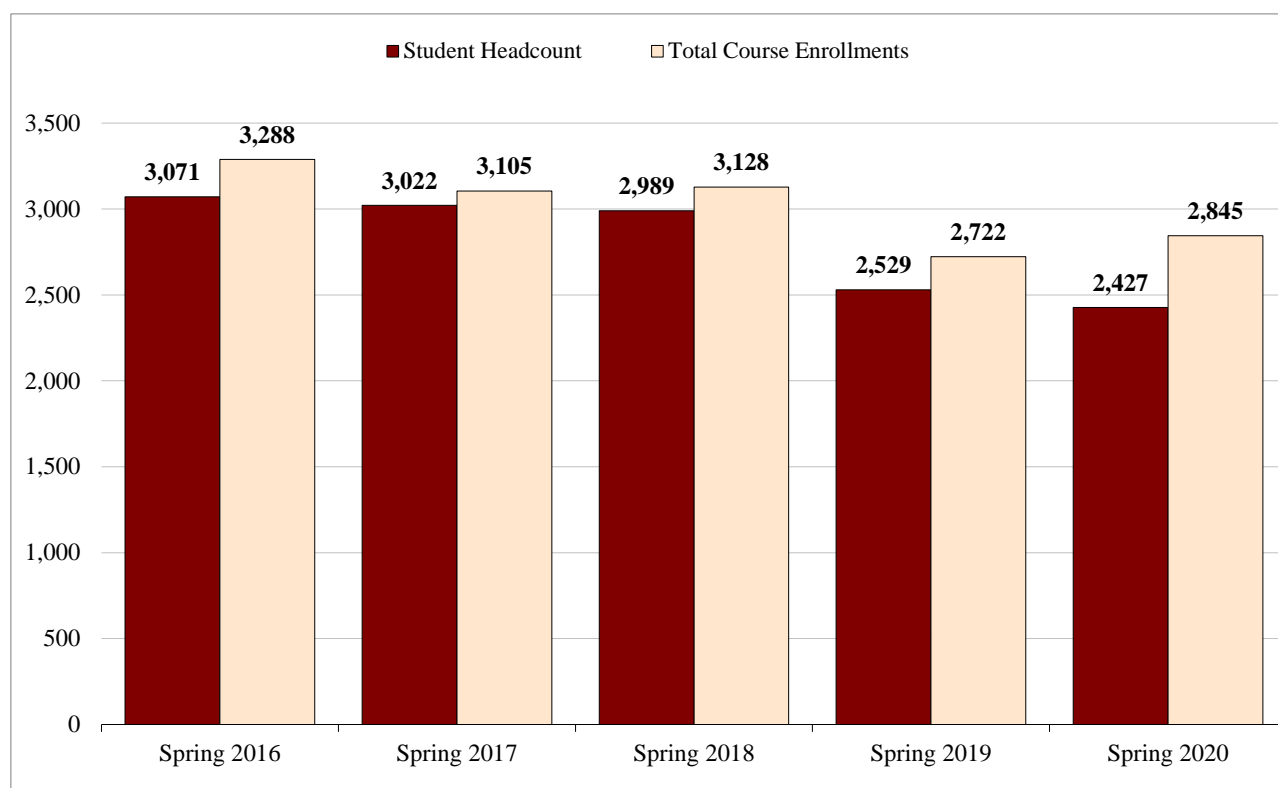
Discipline:  
**Mathematics (MATH^)**

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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

Mathematics ( MATH^ )					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Student Headcount	3,071	3,022	2,989	2,529	2,427
Total Course Enrollments	3,288	3,105	3,128	2,722	2,845



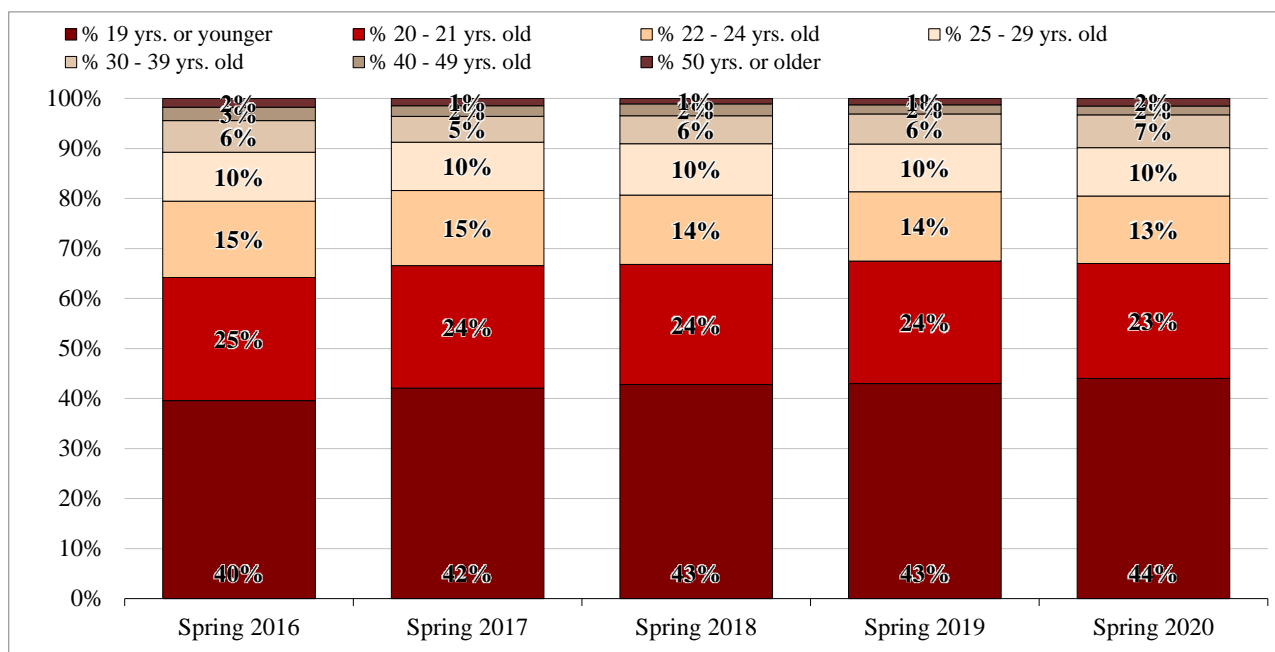
### Definitions:

**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.

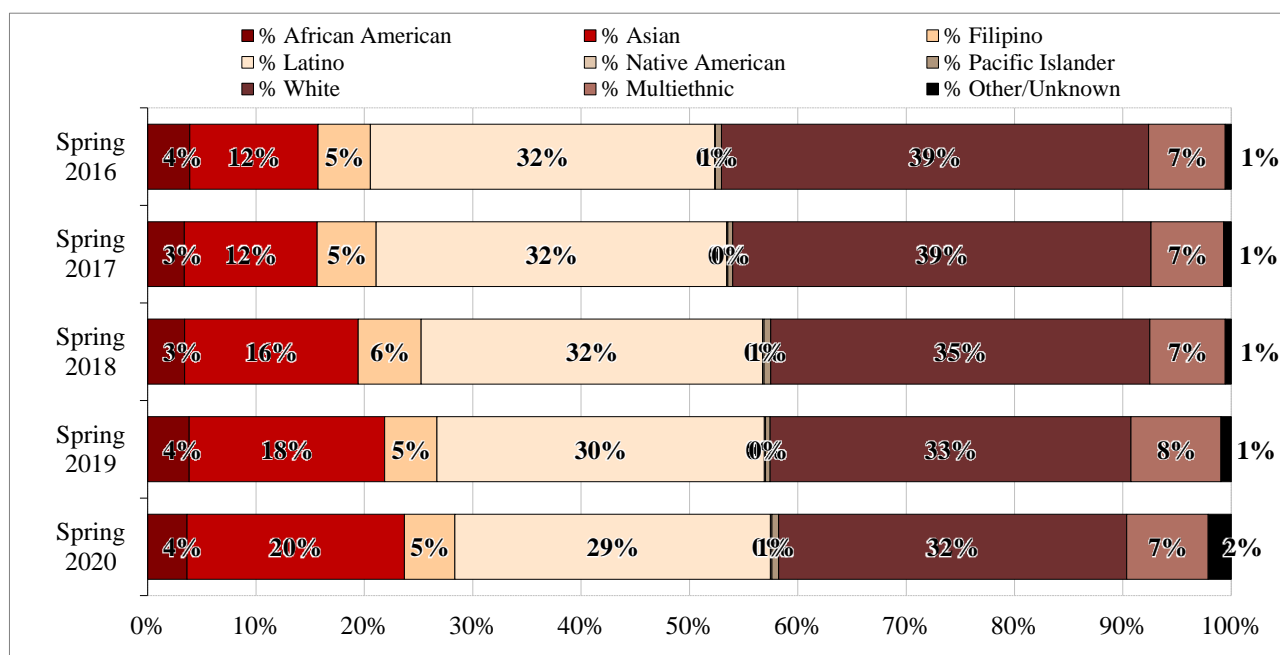
## Student Demographics: Gender & Age

Mathematics ( MATH^ )					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Female	1,409	1,401	1,375	1,124	1,078
Male	1,627	1,582	1,568	1,372	1,304
19 yrs. or younger	1,215	1,271	1,279	1,088	1,069
20-21 yrs. old	757	740	718	619	557
22-24 yrs. old	468	455	414	350	327
25-29 yrs. old	300	292	308	242	235
30-39 yrs. old	195	155	166	152	160
40-49 yrs. old	82	65	71	46	42
50 yrs. or older	54	44	33	32	37
% Female	46%	47%	47%	45%	45%
% Male	54%	53%	53%	55%	55%
% 19 yrs. or younger	40%	42%	43%	43%	44%
% 20 - 21 yrs. old	25%	24%	24%	24%	23%
% 22 - 24 yrs. old	15%	15%	14%	14%	13%
% 25 - 29 yrs. old	10%	10%	10%	10%	10%
% 30 - 39 yrs. old	6%	5%	6%	6%	7%
% 40 - 49 yrs. old	3%	2%	2%	2%	2%
% 50 yrs. or older	2%	1%	1%	1%	2%



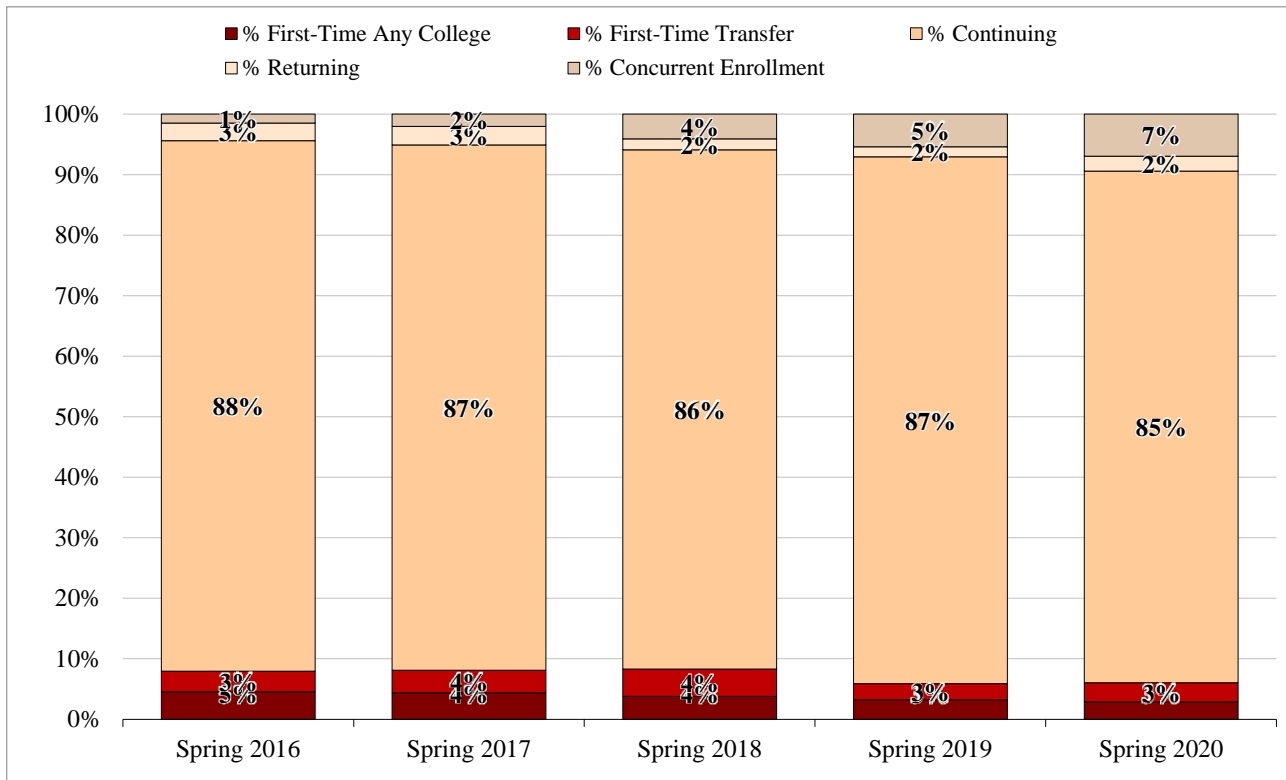
## Student Demographic: Race-Ethnicity

Mathematics ( MATH^ )					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
African American	119	102	102	97	88
Asian	364	371	479	456	487
Filipino	148	164	173	122	113
Latino	976	978	942	764	707
Native American	2	3	4	3	3
Pacific Islander	17	14	19	11	15
White	1,211	1,166	1,045	842	780
Multiethnic	217	203	208	210	182
Other/Unknown	17	21	17	24	52
% African American	4%	3%	3%	4%	4%
% Asian	12%	12%	16%	18%	20%
% Filipino	5%	5%	6%	5%	5%
% Latino	32%	32%	32%	30%	29%
% Native American	<1%	<1%	<1%	<1%	<1%
% Pacific Islander	1%	<1%	1%	<1%	1%
% White	39%	39%	35%	33%	32%
% Multiethnic	7%	7%	7%	8%	7%
% Other/Unknown	1%	1%	1%	1%	2%



## Student Enrollment Status

Mathematics ( MATH^ )					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
First-Time Any College	140	133	114	82	70
First-Time Transfer	105	112	134	67	77
Continuing	2,691	2,622	2,565	2,202	2,051
Returning	89	93	54	42	60
Concurrent Enrollment	46	61	122	136	169
% First-Time Any College	5%	4%	4%	3%	3%
% First-Time Transfer	3%	4%	4%	3%	3%
% Continuing	88%	87%	86%	87%	85%
% Returning	3%	3%	2%	2%	2%
% Concurrent Enrollment	1%	2%	4%	5%	7%



### 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.

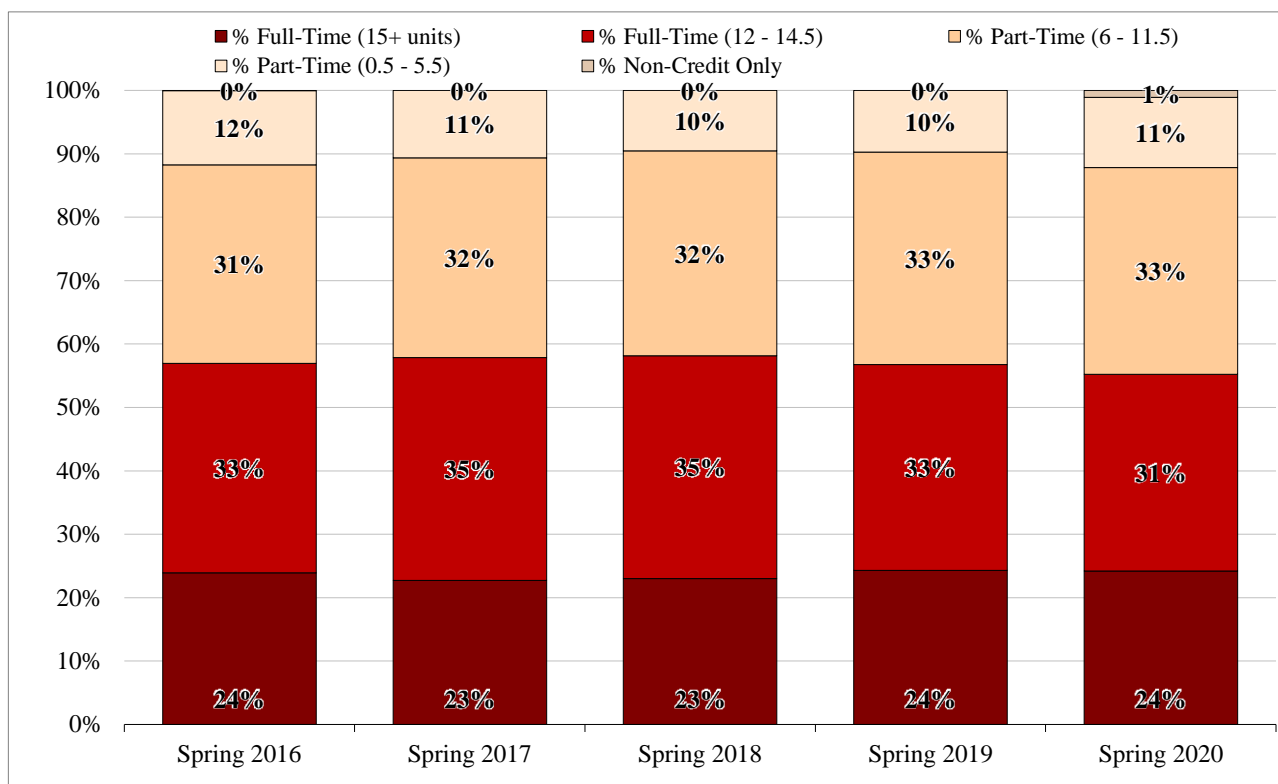
**Continuing:** Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

**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.

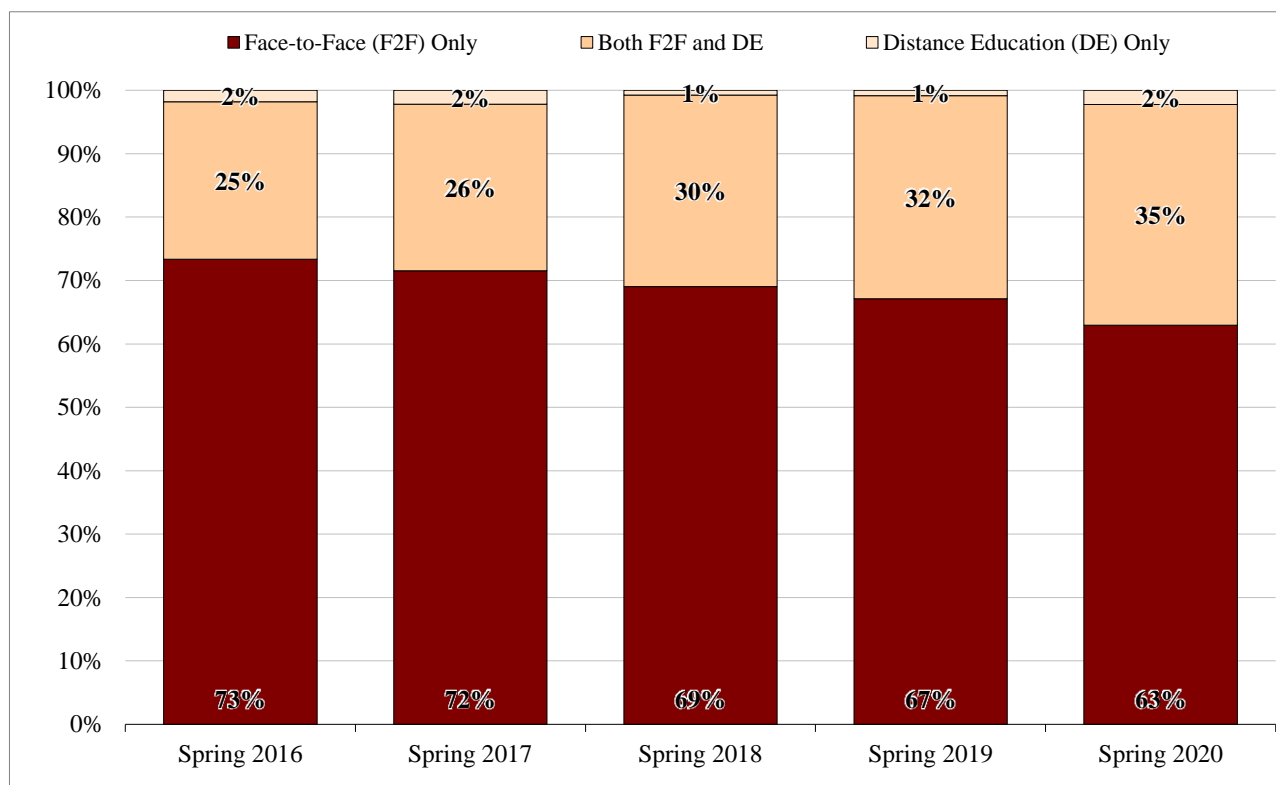
## Student Unit Load

Mathematics ( MATH^ )					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Full-Time (15+ units)	734	687	688	614	587
Full-Time (12 - 14.5)	1,015	1,061	1,050	822	753
Part-Time (6 - 11.5)	961	952	966	847	792
Part-Time (0.5 - 5.5)	359	322	285	246	268
Non-Credit Only	2	0	0	0	27
% Full-Time (15+ units)	24%	23%	23%	24%	24%
% Full-Time (12 - 14.5)	33%	35%	35%	33%	31%
% Part-Time (6 - 11.5)	31%	32%	32%	33%	33%
% Part-Time (0.5 - 5.5)	12%	11%	10%	10%	11%
% Non-Credit Only	<1%	0%	0%	0%	1%



## Students Using Distance Education

Mathematics ( MATH^ )					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Face-to-Face (F2F) Only	2,252	2,162	2,064	1,697	1,528
Both F2F and DE	764	793	902	810	845
Distance Education (DE) Only	55	67	23	22	54
% Face-to-Face (F2F) Only	73%	72%	69%	67%	63%
% Both F2F and DE	25%	26%	30%	32%	35%
% Distance Education (DE) Only	2%	2%	1%	1%	2%

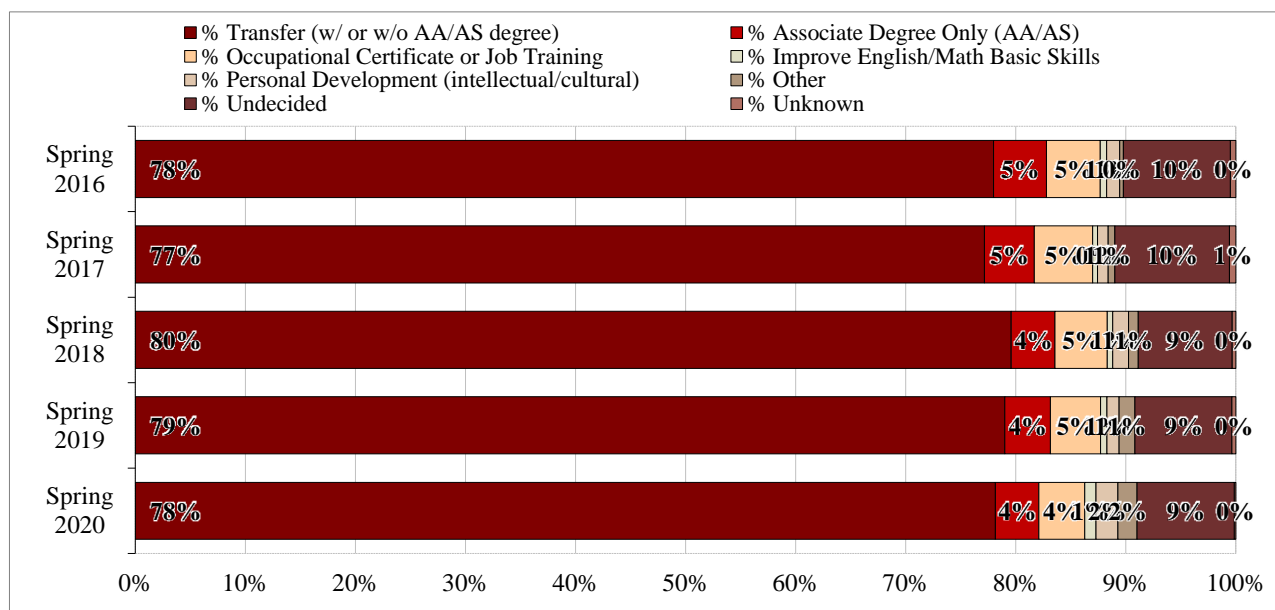


### Definitions:

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

## Student Educational Goal

Mathematics ( MATH^ )					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Transfer (w/ or w/o AA/AS degree)	2,395	2,332	2,379	1,998	1,897
Associate Degree Only (AA/AS)	148	137	119	105	96
Occupational Certificate or Job Training	150	160	142	115	101
Improve English/Math Basic Skills	18	13	15	15	25
Personal Development (intellectual/cultural)	36	30	43	28	48
Other	10	18	26	36	42
Undecided	299	315	255	223	215
Unknown	15	17	10	9	3
% Transfer (w/ or w/o AA/AS degree)	78%	77%	80%	79%	78%
% Associate Degree Only (AA/AS)	5%	5%	4%	4%	4%
% Occupational Certificate or Job Training	5%	5%	5%	5%	4%
% Improve English/Math Basic Skills	1%	<1%	1%	1%	1%
% Personal Development (intellectual/cultural)	1%	1%	1%	1%	2%
% Other	<1%	1%	1%	1%	2%
% Undecided	10%	10%	9%	9%	9%
% Unknown	<1%	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.

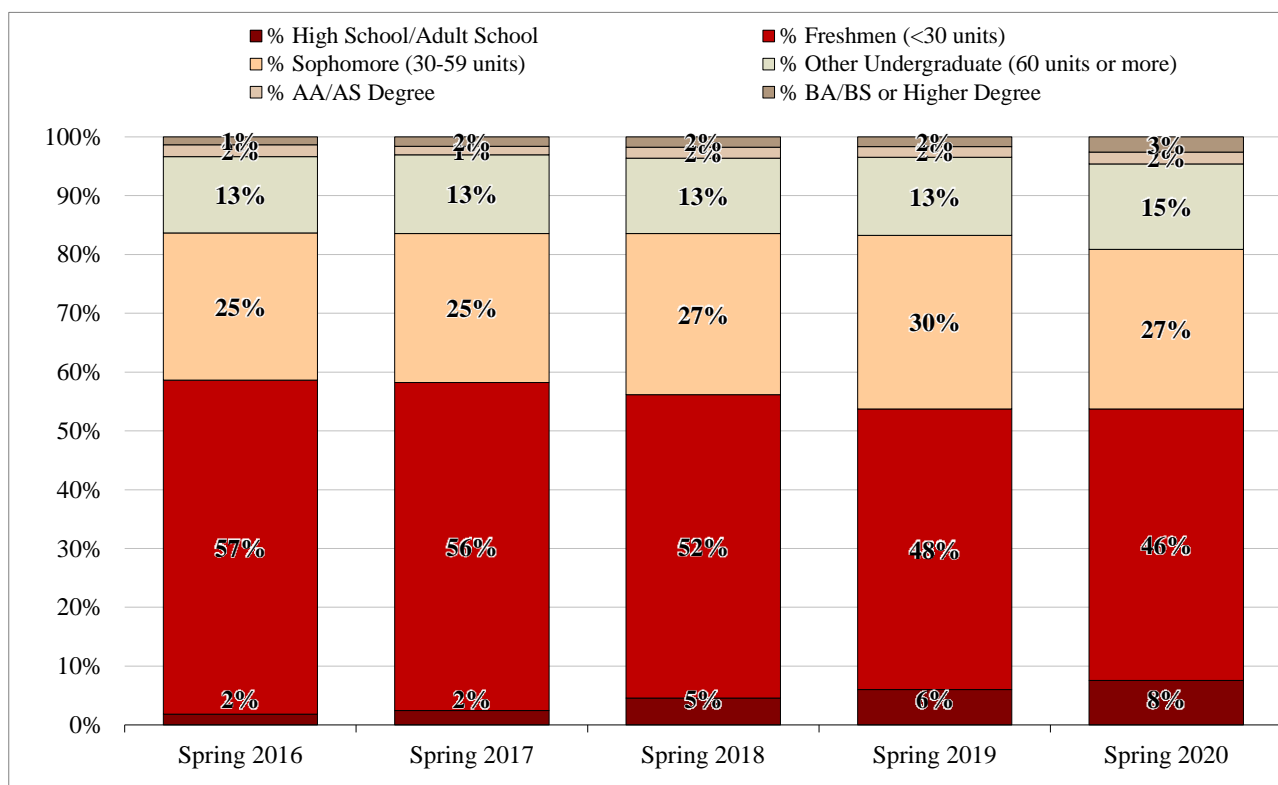
**Personal Development:** Students taking courses for intellectual and/or cultural development.

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



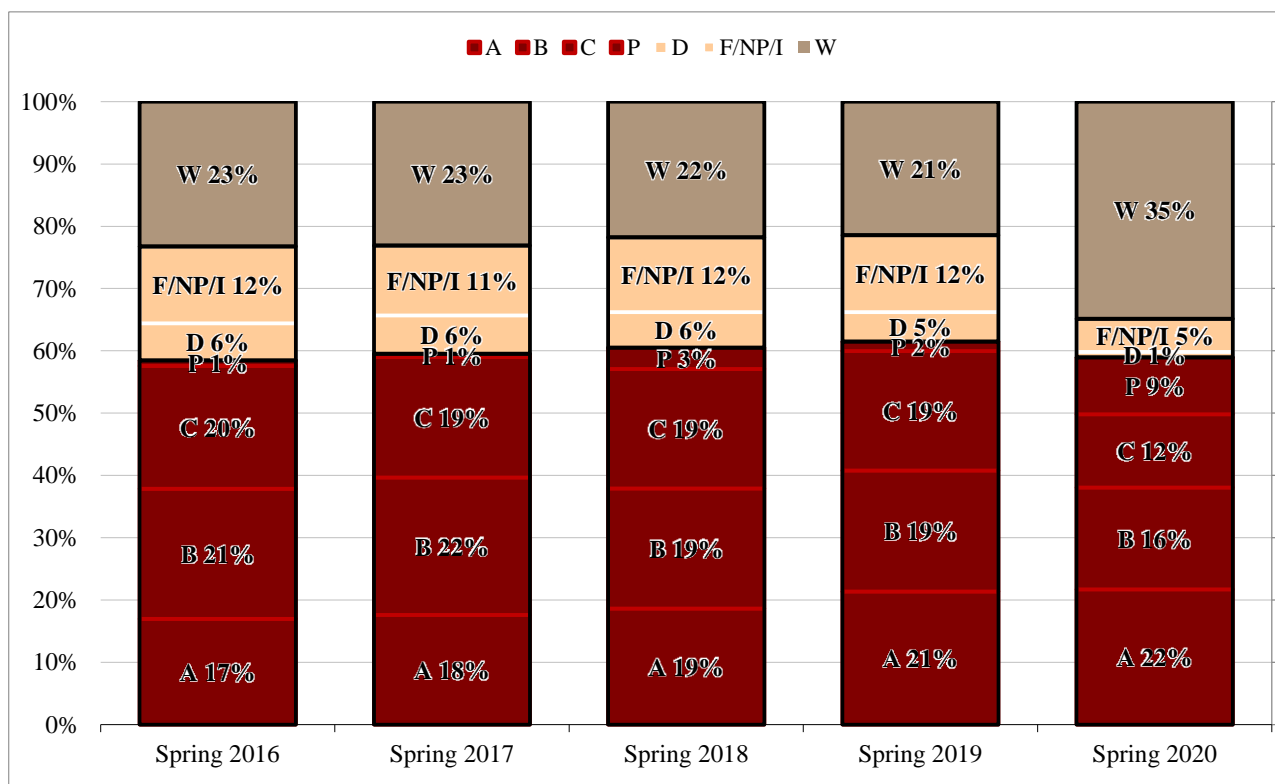
## Highest Educational Level of Students

Mathematics ( MATH^ )					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
High School/Adult School	56	74	137	152	184
Freshmen (<30 units)	1,745	1,685	1,541	1,207	1,120
Sophomore (30-59 units)	769	767	819	747	659
Other Undergraduate (60 units or more)	398	404	384	335	353
AA/AS Degree	62	44	55	46	48
BA/BS or Higher Degree	41	48	53	42	63
% High School/Adult School	2%	2%	5%	6%	8%
% Freshmen (<30 units)	57%	56%	52%	48%	46%
% Sophomore (30-59 units)	25%	25%	27%	30%	27%
% Other Undergraduate (60 units or more)	13%	13%	13%	13%	15%
% AA/AS Degree	2%	1%	2%	2%	2%
% BA/BS or Higher Degree	1%	2%	2%	2%	3%



## Student Performance: Grade Distribution

Mathematics ( MATH^ )					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
<b>Total Course Enrollments</b>	<b>3,288</b>	<b>3,105</b>	<b>3,128</b>	<b>2,722</b>	<b>2,845</b>
<b>Course Success Rates</b>	<b>58%</b>	<b>60%</b>	<b>60%</b>	<b>61%</b>	<b>59%</b>
A	17%	18%	19%	21%	22%
B	21%	22%	19%	19%	16%
C	20%	19%	19%	19%	12%
P	1%	1%	3%	2%	9%
<b>Course Non-Success Rate</b>	<b>18%</b>	<b>17%</b>	<b>18%</b>	<b>17%</b>	<b>6%</b>
D	6%	6%	6%	5%	1%
F/NP/I	12%	11%	12%	12%	5%
<b>Withdrawals (W)</b>	<b>23%</b>	<b>23%</b>	<b>22%</b>	<b>21%</b>	<b>35%</b>



### Definitions:

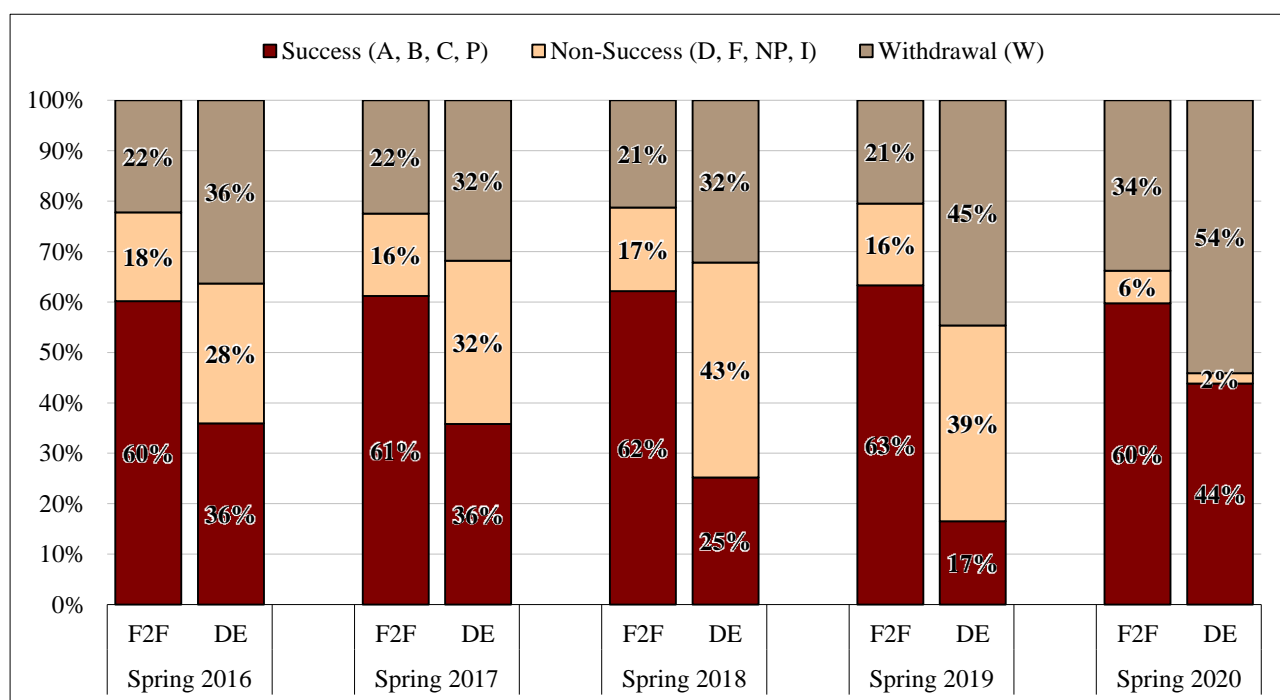
**Course Success Rate** is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

**Course Non-Success Rate** is the percentage of students receiving a grade of ('D', 'F', 'NP or '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

Mathematics ( MATH^ )					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
<b>Total Course Enrollments</b>	<b>3,288</b>	<b>3,105</b>	<b>3,128</b>	<b>2,722</b>	<b>2,845</b>
<b>Face-to-Face (F2F) Sections</b>	<b>3068</b>	<b>2904</b>	<b>2985</b>	<b>2619</b>	<b>2699</b>
Success Rates	60%	61%	62%	63%	60%
Non-Success Rates	18%	16%	17%	16%	6%
Withdrawals	22%	22%	21%	21%	34%
<b>Distance Education (DE) Sections</b>	<b>220</b>	<b>201</b>	<b>143</b>	<b>103</b>	<b>146</b>
Success Rates	36%	36%	25%	17%	44%
Non-Success Rates	28%	32%	43%	39%	2%
Withdrawals	36%	32%	32%	45%	54%



### 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.

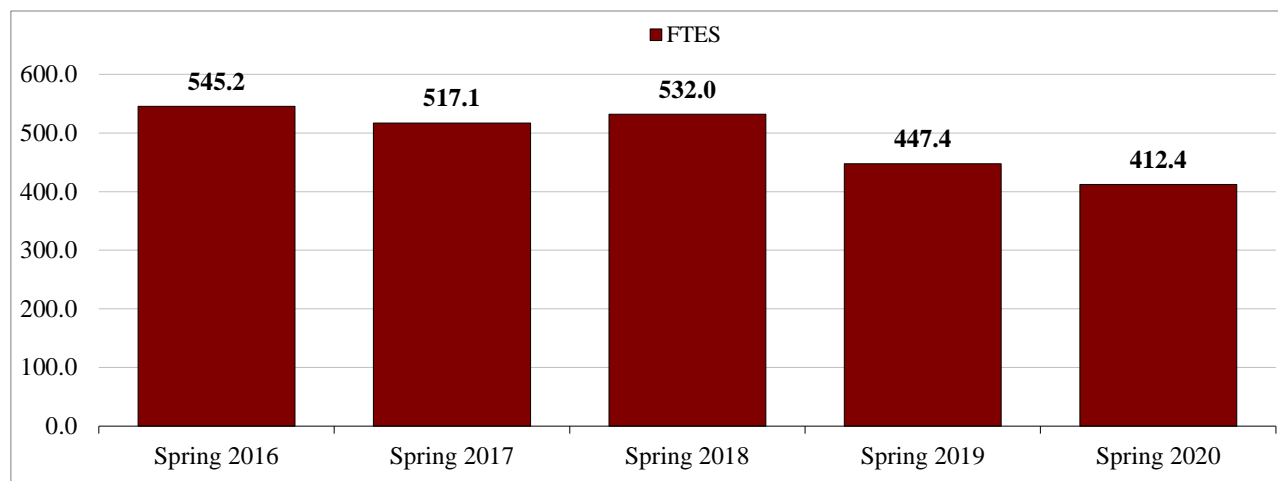
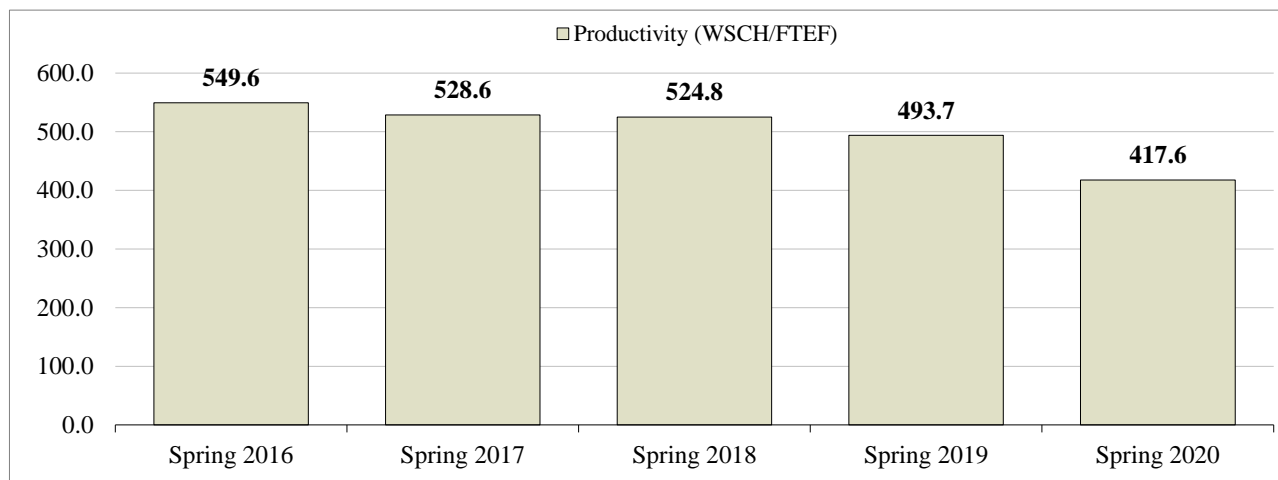
**Course Non-Success Rate** is the percentage of students receiving a grade of ('D', 'F', 'NP' or 'I') relative to all students receiving a grade.

**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

	Mathematics ( MATH^ )				
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
WSCH	16,735	16,028	16,382	13,777	12,728
FTEF	545.2	517.1	532.0	447.4	412.4
FTEF	30.4	30.3	31.2	27.9	30.5
Productivity (WSCH/FTEF)	549.6	528.6	524.8	493.7	417.6



### 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.

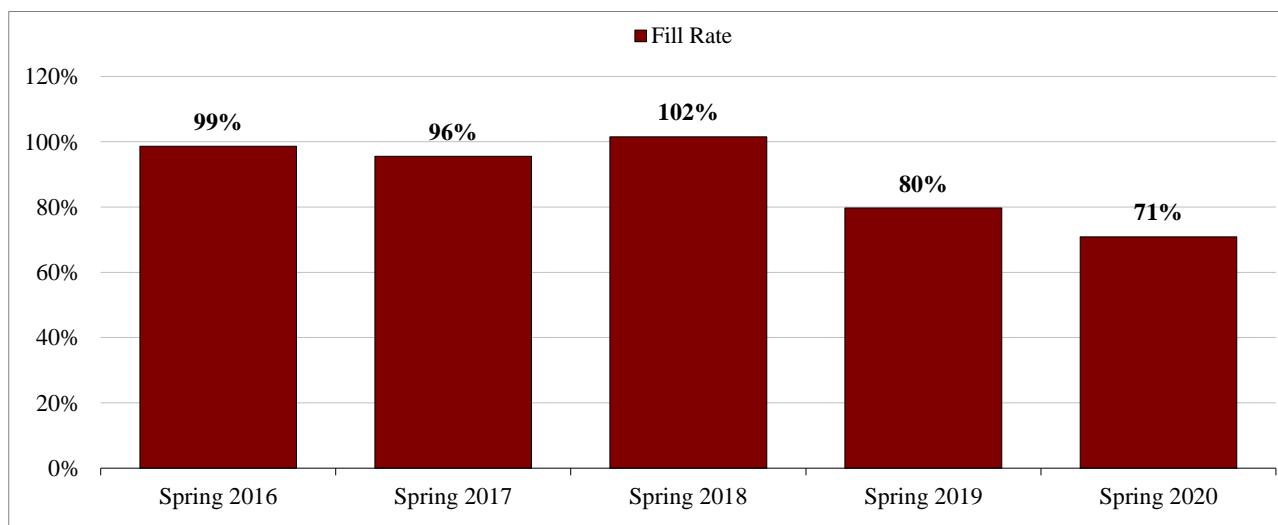
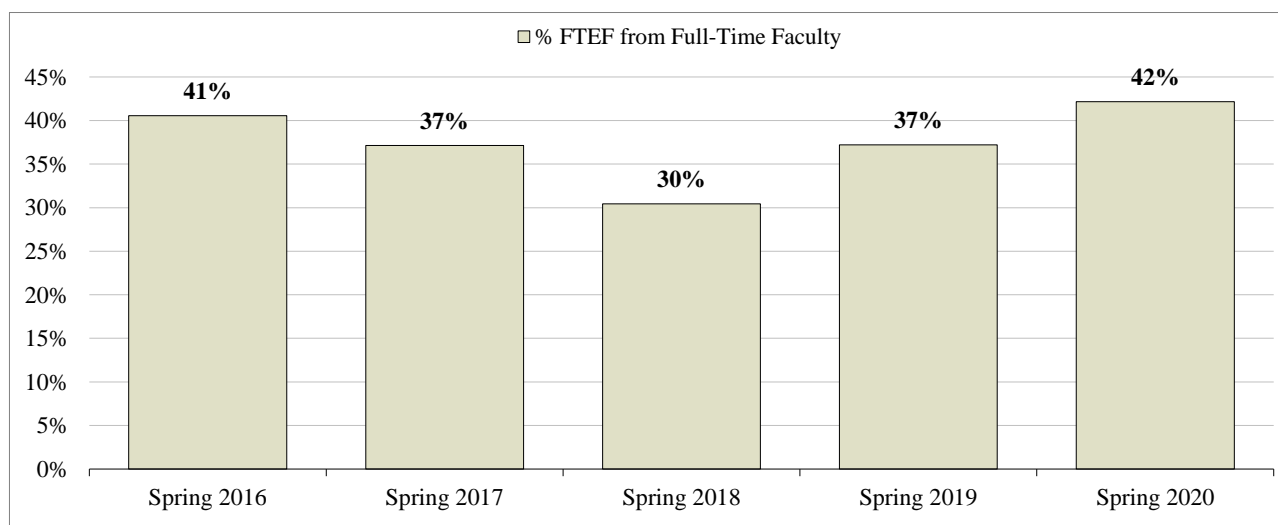
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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

**Note:** Enrollment Management data are of all courses accounted except NTUT / TUTR 200; latest data accessed on 7/14/20.

## Enrollment Management: Part 2

Mathematics ( MATH^ )					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
FTEF from Full-Time Faculty	12.3	11.3	9.5	10.4	12.9
% FTEF from Full-Time Faculty	41%	37%	30%	37%	42%
Enrollments	3,288	3,105	3,128	2,722	2,845
Capacity (seats available)	3,333	3,248	3,080	3,415	4,013
Fill Rate	99%	96%	102%	80%	71%



### Definitions:

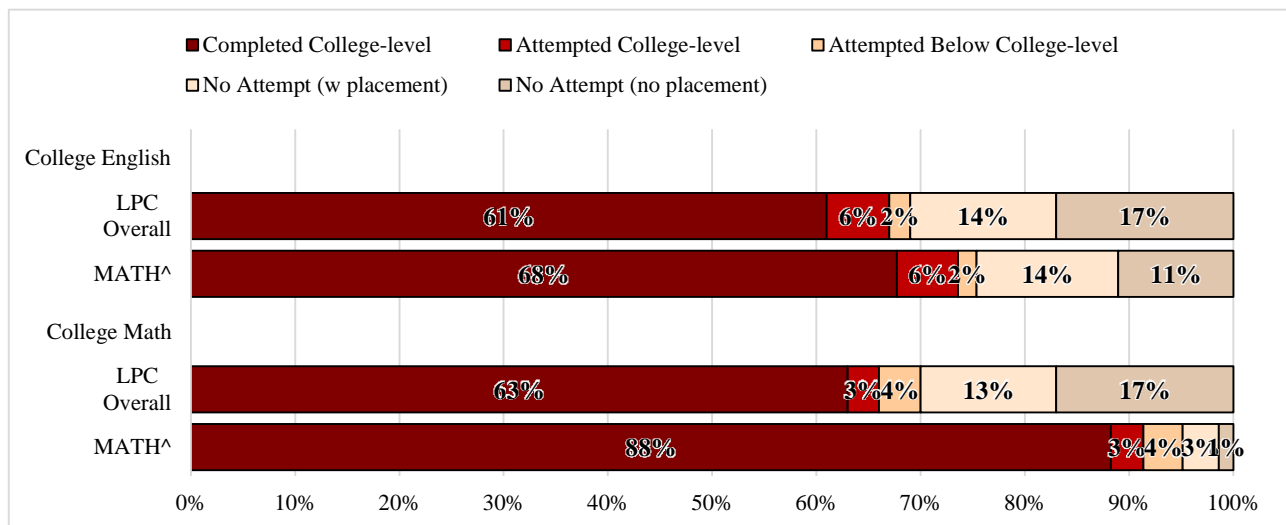
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% 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			
	MATH <sup>^</sup>		LPC Overall	
	Num	Pct	Num	Pct
<b>College English</b>				
Completed College-level	1,644	68%	5,254	61%
Attempted College-level	142	6%	502	6%
Attempted Below College-level	43	2%	179	2%
No Attempt (with placement)	330	14%	1,175	14%
No Attempt (no placement)	268	11%	1,480	17%
<b>College Math</b>				
Completed College-level	2,142	88%	5,383	63%
Attempted College-level	76	3%	274	3%
Attempted Below College-level	91	4%	366	4%
No Attempt (with placement)	84	3%	1,134	13%
No Attempt (no placement)	34	1%	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.