



Las Positas College  
**Program Review Discipline Data Packet**  
Fall 2015 to Fall 2019

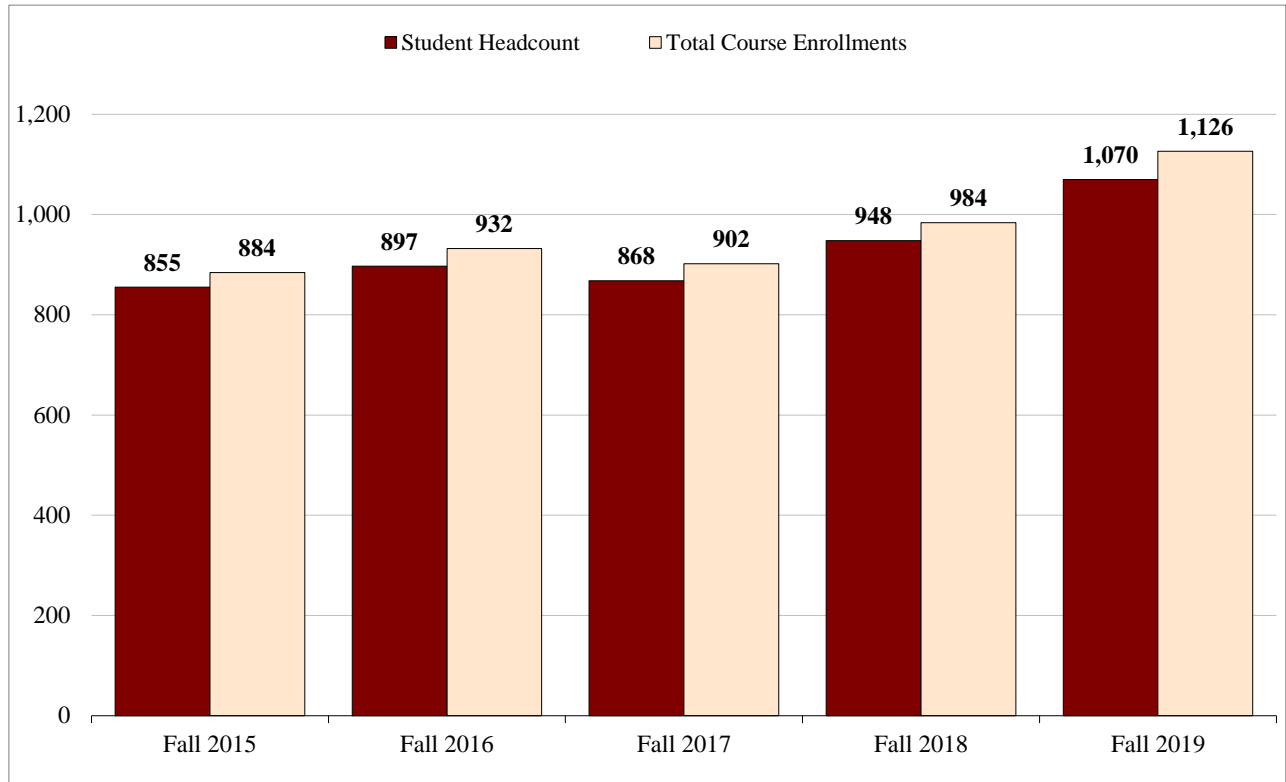
Discipline:

**Biological Sciences (BIO)**

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

Biological Sciences ( BIO )					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Student Headcount	855	897	868	948	1,070
Total Course Enrollments	884	932	902	984	1,126



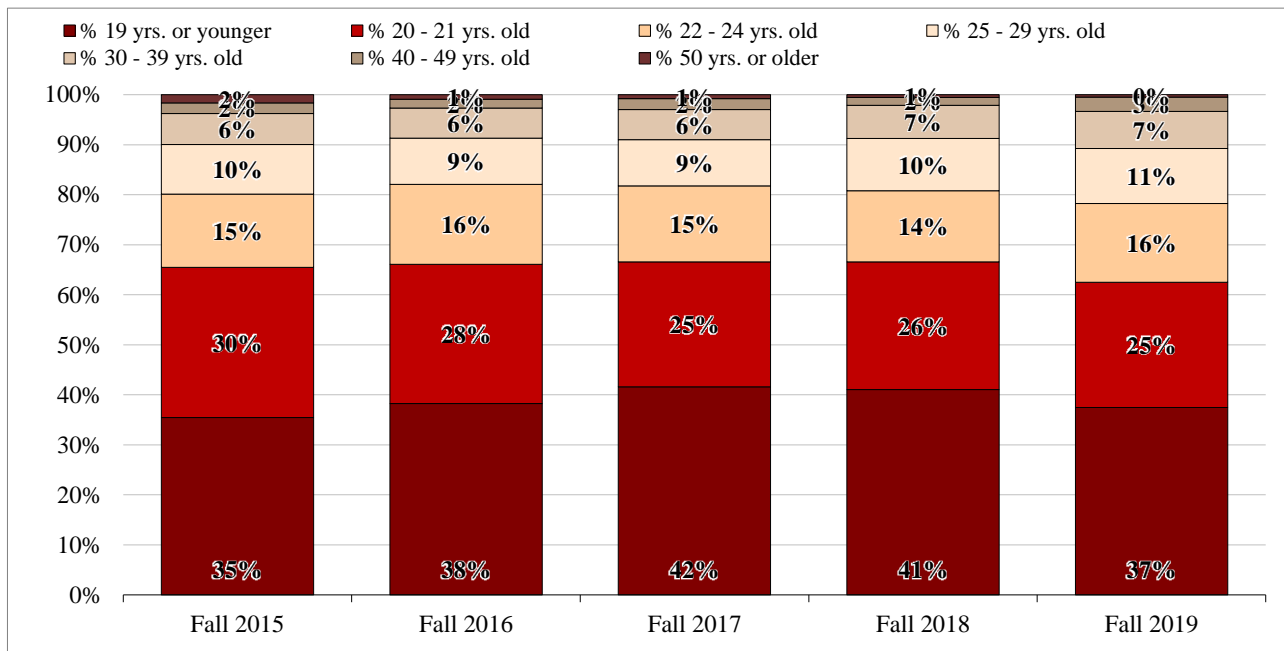
**Definitions:**

**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.

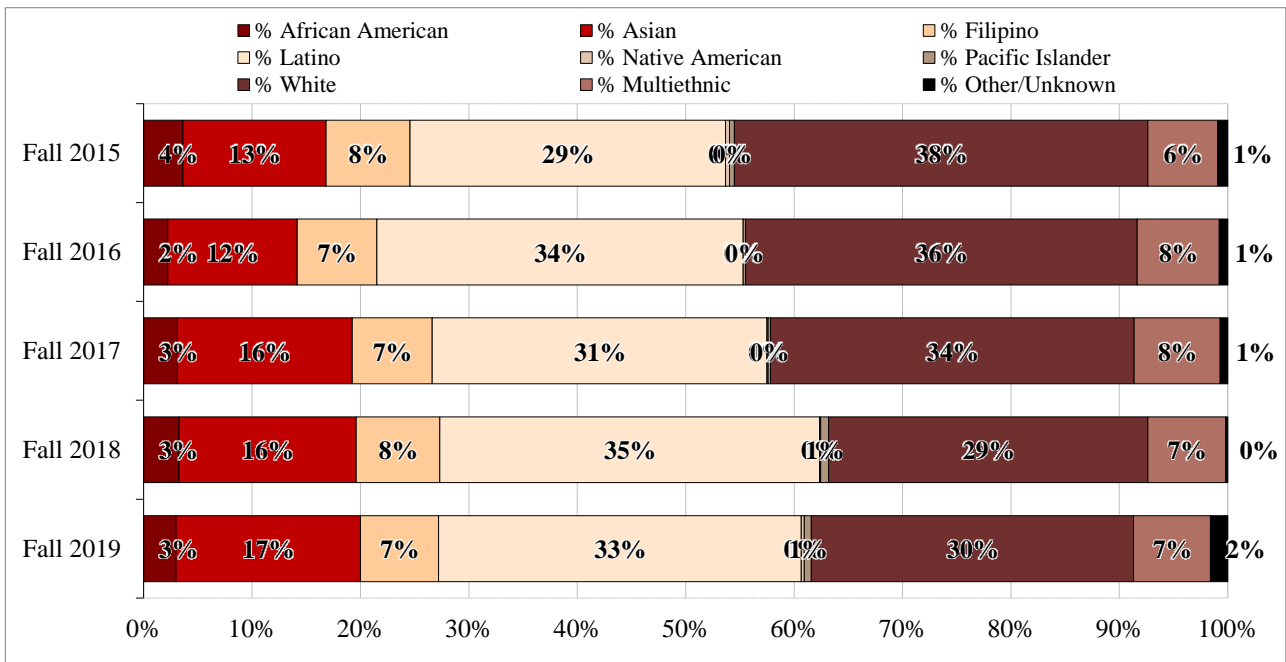
### Student Demographics: Gender & Age

Biological Sciences ( BIO )					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Female	533	517	535	597	665
Male	312	373	321	333	387
19 yrs. or younger	303	343	361	389	401
20-21 yrs. old	257	250	217	242	268
22-24 yrs. old	125	143	132	135	168
25-29 yrs. old	85	83	80	99	118
30-39 yrs. old	53	54	52	63	79
40-49 yrs. old	18	16	19	15	31
50 yrs. or older	14	8	7	5	5
% Female	63%	58%	63%	64%	63%
% Male	37%	42%	38%	36%	37%
% 19 yrs. or younger	35%	38%	42%	41%	37%
% 20 - 21 yrs. old	30%	28%	25%	26%	25%
% 22 - 24 yrs. old	15%	16%	15%	14%	16%
% 25 - 29 yrs. old	10%	9%	9%	10%	11%
% 30 - 39 yrs. old	6%	6%	6%	7%	7%
% 40 - 49 yrs. old	2%	2%	2%	2%	3%
% 50 yrs. or older	2%	1%	1%	1%	<1%



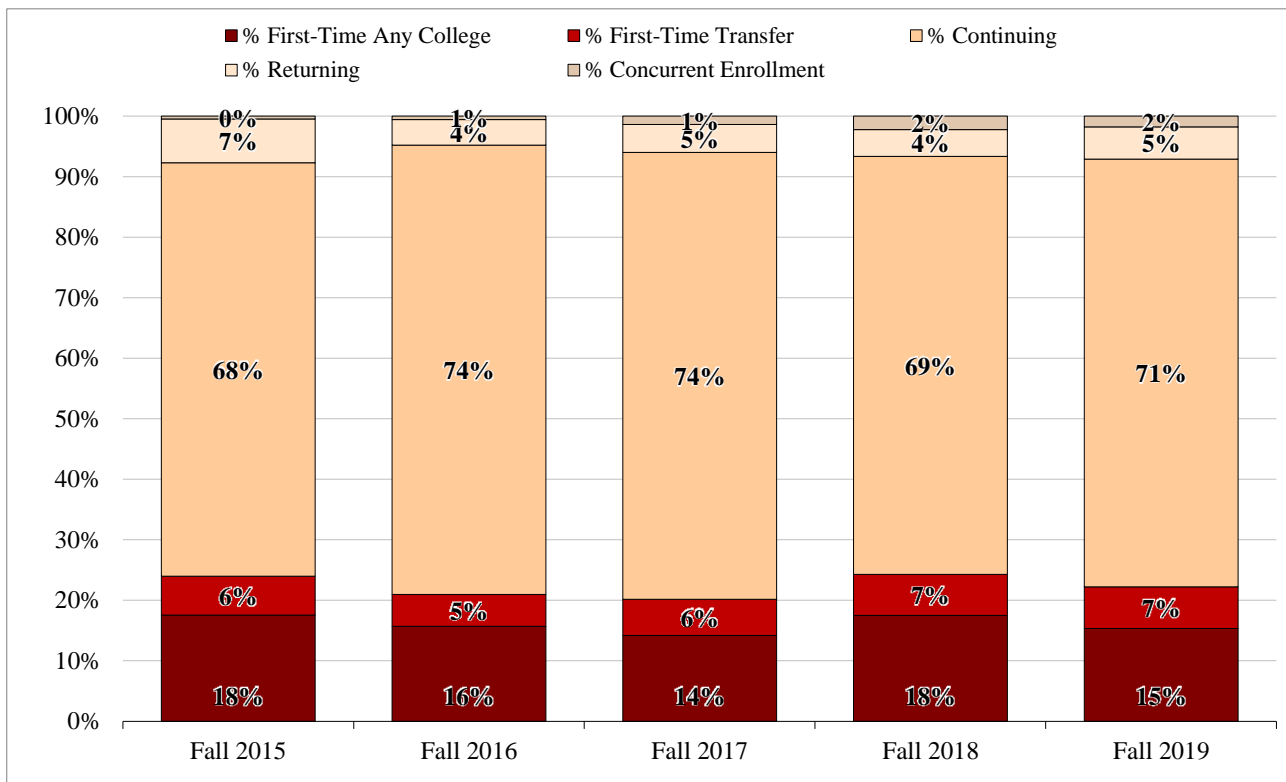
### Student Demographic: Race-Ethnicity

Biological Sciences ( BIO )					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
African American	31	20	27	31	32
Asian	113	107	140	155	182
Filipino	66	66	64	73	77
Latino	249	303	268	332	358
Native American	3	0	1	1	3
Pacific Islander	4	2	2	7	7
White	326	324	291	279	318
Multiethnic	55	68	69	68	76
Other/Unknown	8	7	6	2	17
% African American	4%	2%	3%	3%	3%
% Asian	13%	12%	16%	16%	17%
% Filipino	8%	7%	7%	8%	7%
% Latino	29%	34%	31%	35%	33%
% Native American	<1%	0%	<1%	<1%	<1%
% Pacific Islander	<1%	<1%	<1%	1%	1%
% White	38%	36%	34%	29%	30%
% Multiethnic	6%	8%	8%	7%	7%
% Other/Unknown	1%	1%	1%	<1%	2%



### Student Enrollment Status

Biological Sciences ( BIO )					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
First-Time Any College	150	141	123	166	164
First-Time Transfer	55	47	52	64	74
Continuing	584	666	641	655	756
Returning	62	38	40	42	57
Concurrent Enrollment	4	5	12	21	19
% First-Time Any College	18%	16%	14%	18%	15%
% First-Time Transfer	6%	5%	6%	7%	7%
% Continuing	68%	74%	74%	69%	71%
% Returning	7%	4%	5%	4%	5%
% Concurrent Enrollment	<1%	1%	1%	2%	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.

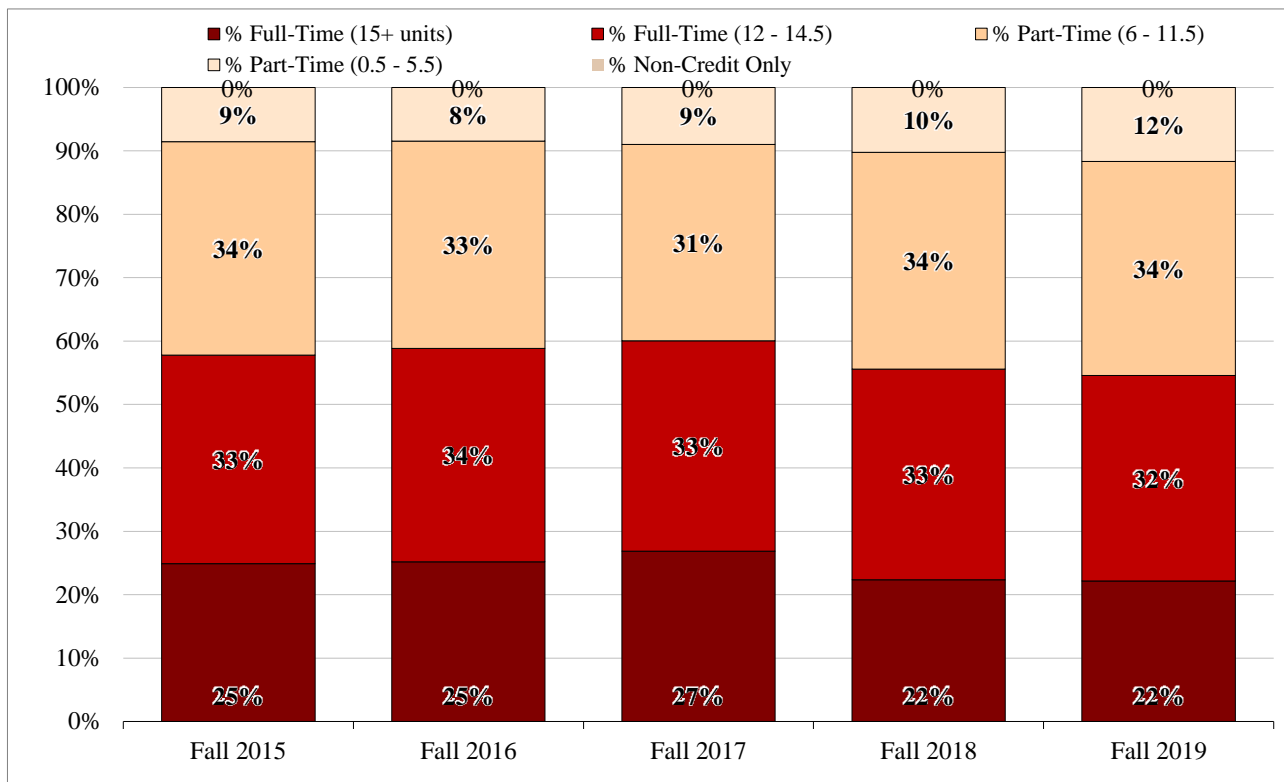
**Continuing:** Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

**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.

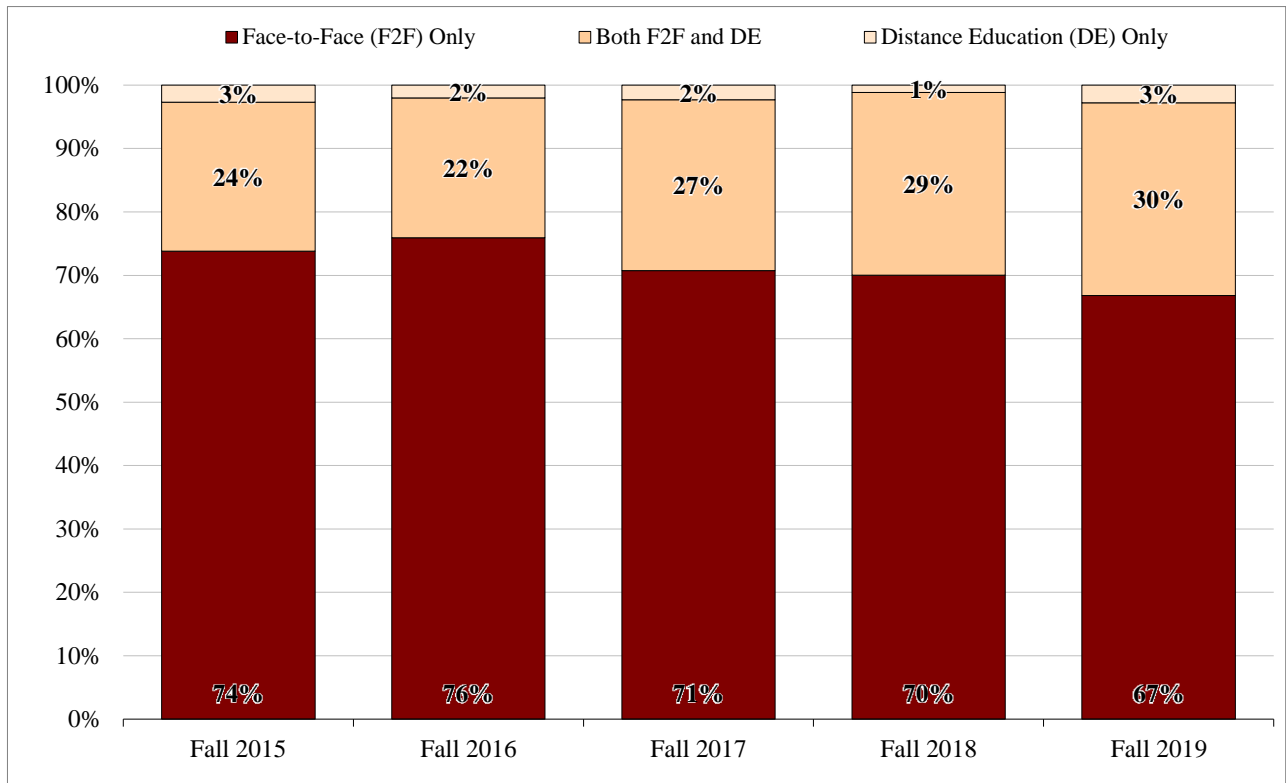
### Student Unit Load

Biological Sciences ( BIO )					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Full-Time (15+ units)	213	226	233	212	237
Full-Time (12 - 14.5)	281	302	288	315	347
Part-Time (6 - 11.5)	288	293	269	324	361
Part-Time (0.5 - 5.5)	73	76	78	97	125
Non-Credit Only	—	—	—	—	—
% Full-Time (15+ units)	25%	25%	27%	22%	22%
% Full-Time (12 - 14.5)	33%	34%	33%	33%	32%
% Part-Time (6 - 11.5)	34%	33%	31%	34%	34%
% Part-Time (0.5 - 5.5)	9%	8%	9%	10%	12%
% Non-Credit Only	—	—	—	—	—



### Students Using Distance Education

Biological Sciences ( BIO )					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Face-to-Face (F2F) Only	628	681	614	664	715
Both F2F and DE	200	198	234	273	325
Distance Education (DE) Only	23	18	20	11	30
% Face-to-Face (F2F) Only	74%	76%	71%	70%	67%
% Both F2F and DE	24%	22%	27%	29%	30%
% Distance Education (DE) Only	3%	2%	2%	1%	3%

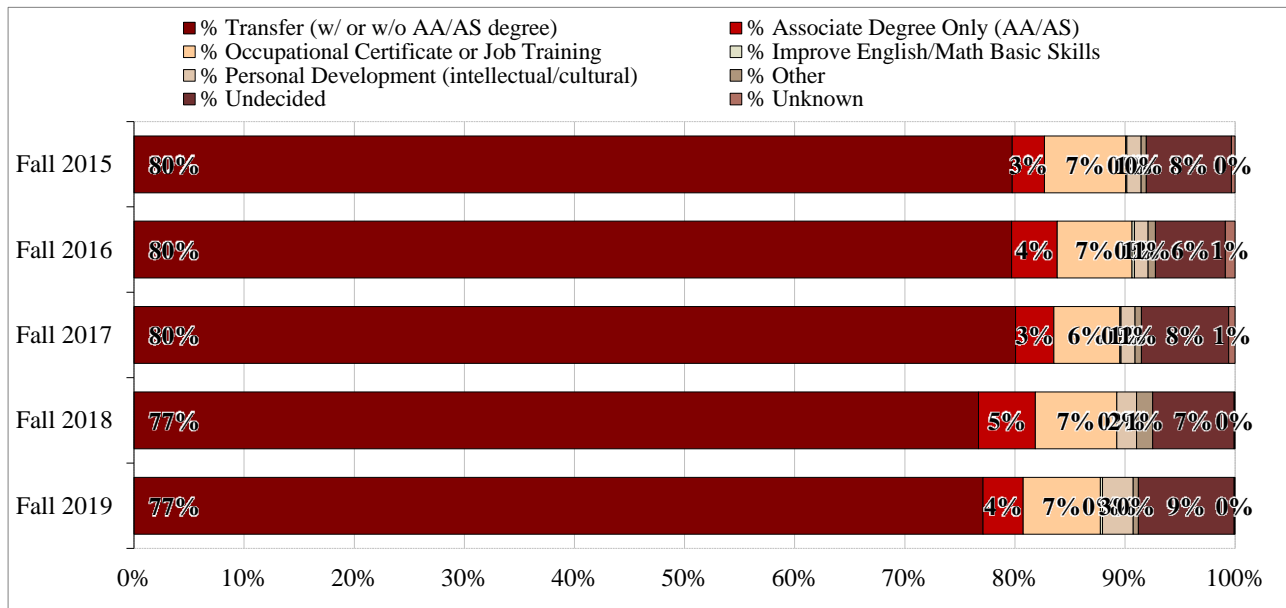


**Definitions:**

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

### Student Educational Goal

Biological Sciences ( BIO )					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Transfer (w/ or w/o AA/AS degree)	682	715	695	727	825
Associate Degree Only (AA/AS)	25	37	30	49	39
Occupational Certificate or Job Training	63	61	52	70	75
Improve English/Math Basic Skills	1	2	1	0	2
Personal Development (intellectual/cultural)	11	11	11	17	30
Other	4	6	5	14	5
Undecided	66	57	69	70	93
Unknown	3	8	5	1	1
% Transfer (w/ or w/o AA/AS degree)	80%	80%	80%	77%	77%
% Associate Degree Only (AA/AS)	3%	4%	3%	5%	4%
% Occupational Certificate or Job Training	7%	7%	6%	7%	7%
% Improve English/Math Basic Skills	<1%	<1%	<1%	0%	<1%
% Personal Development (intellectual/cultural)	1%	1%	1%	2%	3%
% Other	<1%	1%	1%	1%	<1%
% Undecided	8%	6%	8%	7%	9%
% Unknown	<1%	1%	1%	<1%	<1%



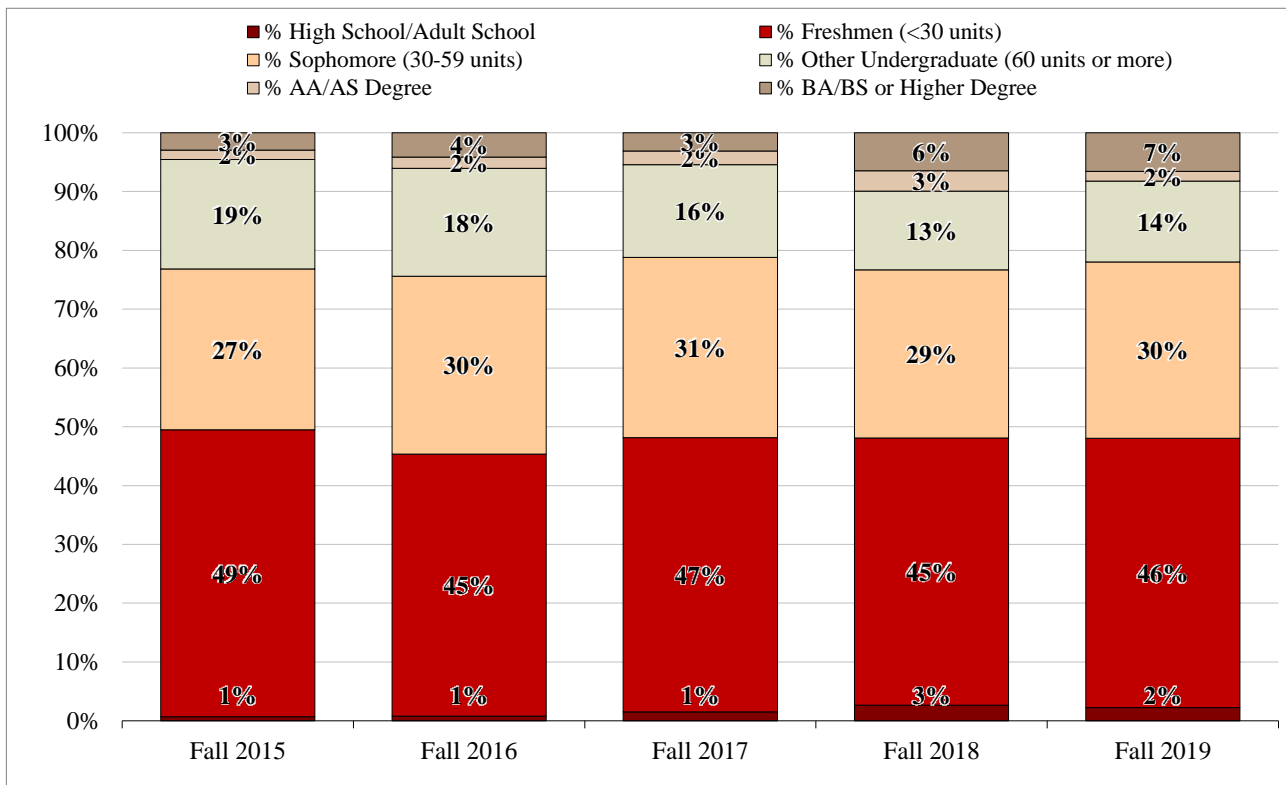
**Definitions:**

- 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.



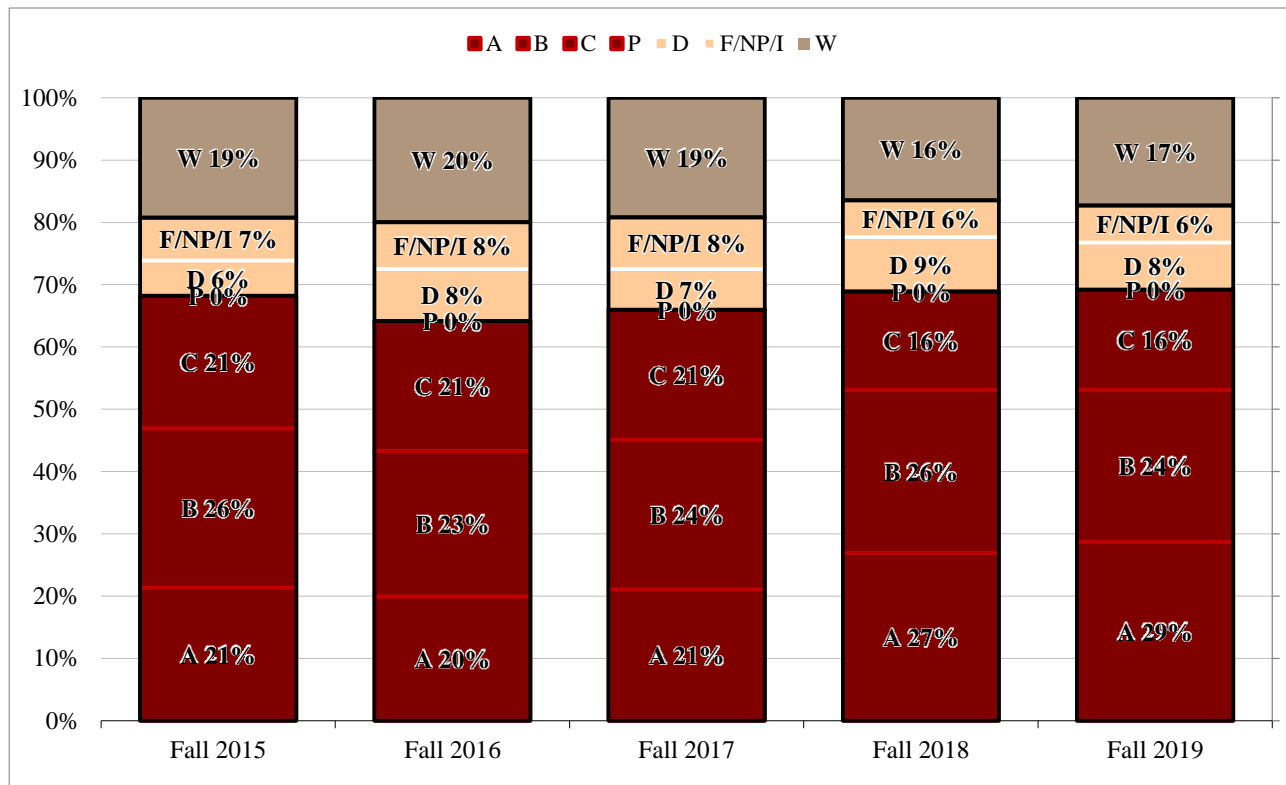
### Highest Educational Level of Students

Biological Sciences ( BIO )					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
High School/Adult School	6	7	13	25	24
Freshmen (<30 units)	417	400	405	431	490
Sophomore (30-59 units)	234	271	266	271	321
Other Undergraduate (60 units or more)	159	165	137	127	147
AA/AS Degree	14	17	20	33	18
BA/BS or Higher Degree	25	37	27	61	70
% High School/Adult School	1%	1%	1%	3%	2%
% Freshmen (<30 units)	49%	45%	47%	45%	46%
% Sophomore (30-59 units)	27%	30%	31%	29%	30%
% Other Undergraduate (60 units or more)	19%	18%	16%	13%	14%
% AA/AS Degree	2%	2%	2%	3%	2%
% BA/BS or Higher Degree	3%	4%	3%	6%	7%



### Student Performance: Grade Distribution

Biological Sciences ( BIO )					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
<b>Total Course Enrollments</b>	<b>884</b>	<b>932</b>	<b>902</b>	<b>984</b>	<b>1,126</b>
<b>Course Success Rates</b>	<b>68%</b>	<b>64%</b>	<b>66%</b>	<b>69%</b>	<b>69%</b>
A	21%	20%	21%	27%	29%
B	26%	23%	24%	26%	24%
C	21%	21%	21%	16%	16%
P	0%	0%	0%	0%	0%
<b>Course Non-Success Rate</b>	<b>13%</b>	<b>16%</b>	<b>15%</b>	<b>15%</b>	<b>13%</b>
D	6%	8%	7%	9%	8%
F/NP/I	7%	8%	8%	6%	6%
<b>Withdrawals (W)</b>	<b>19%</b>	<b>20%</b>	<b>19%</b>	<b>16%</b>	<b>17%</b>



**Definitions:**

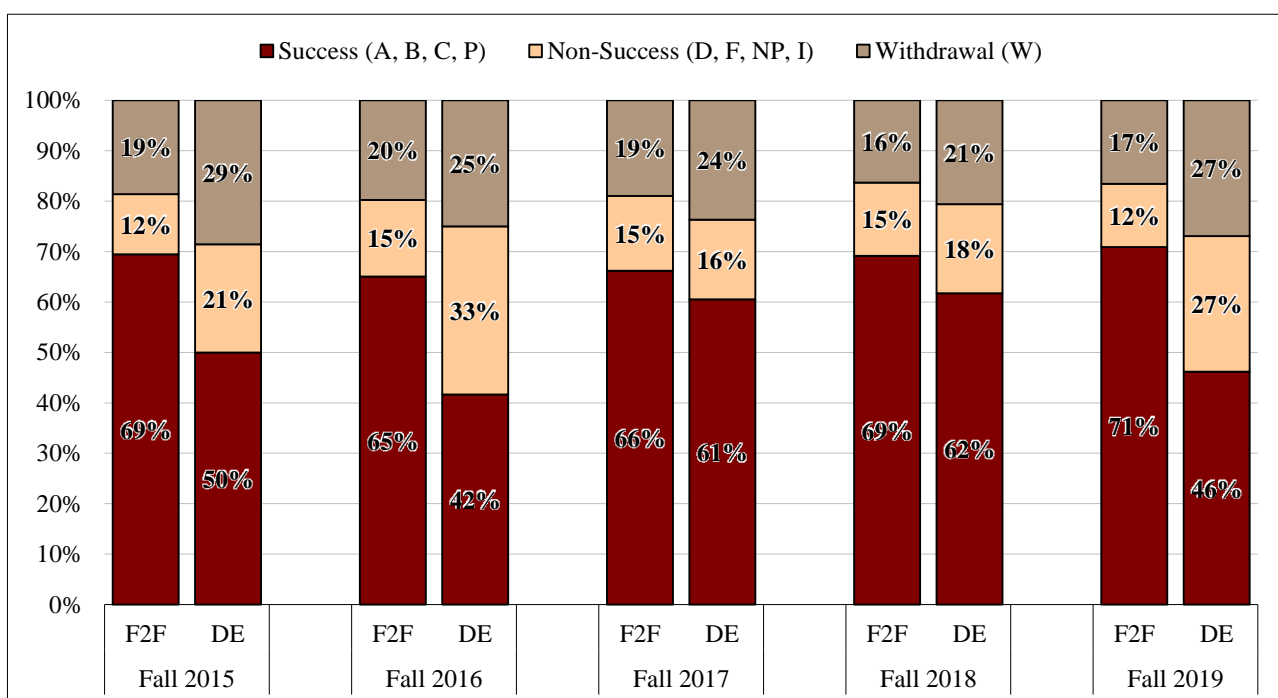
**Course Success Rate** is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

**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

Biological Sciences ( BIO )					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
<b>Total Course Enrollments</b>	<b>884</b>	<b>932</b>	<b>902</b>	<b>984</b>	<b>1,126</b>
<b>Face-to-Face (F2F) Sections</b>	<b>828</b>	<b>896</b>	<b>864</b>	<b>950</b>	<b>1048</b>
Success Rates	69%	65%	66%	69%	71%
Non-Success Rates	12%	15%	15%	15%	12%
Withdrawals	19%	20%	19%	16%	17%
<b>Distance Education (DE) Sections</b>	<b>56</b>	<b>36</b>	<b>38</b>	<b>34</b>	<b>78</b>
Success Rates	50%	42%	61%	62%	46%
Non-Success Rates	21%	33%	16%	18%	27%
Withdrawals	29%	25%	24%	21%	27%

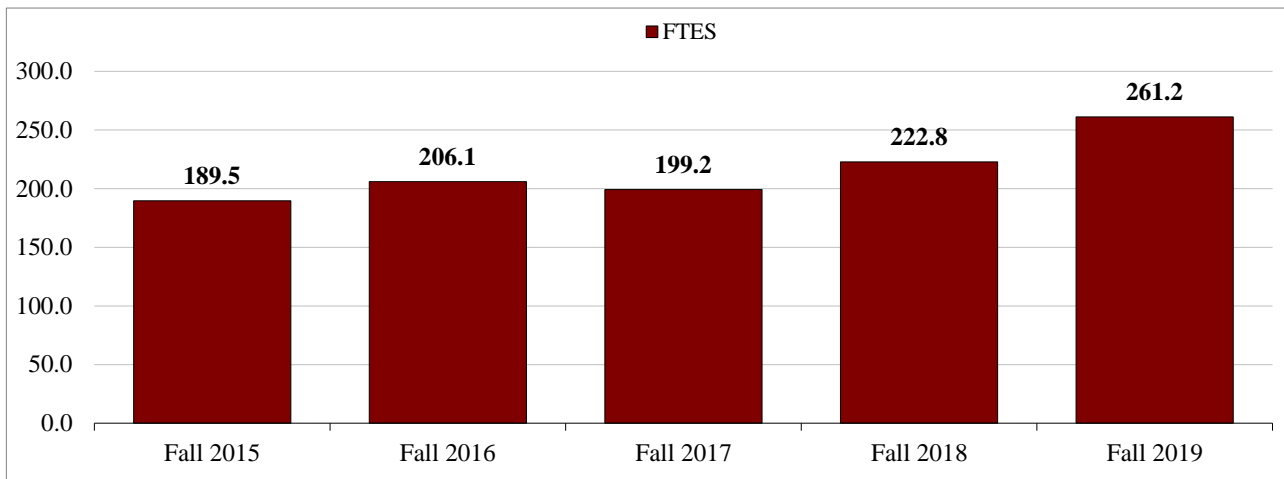
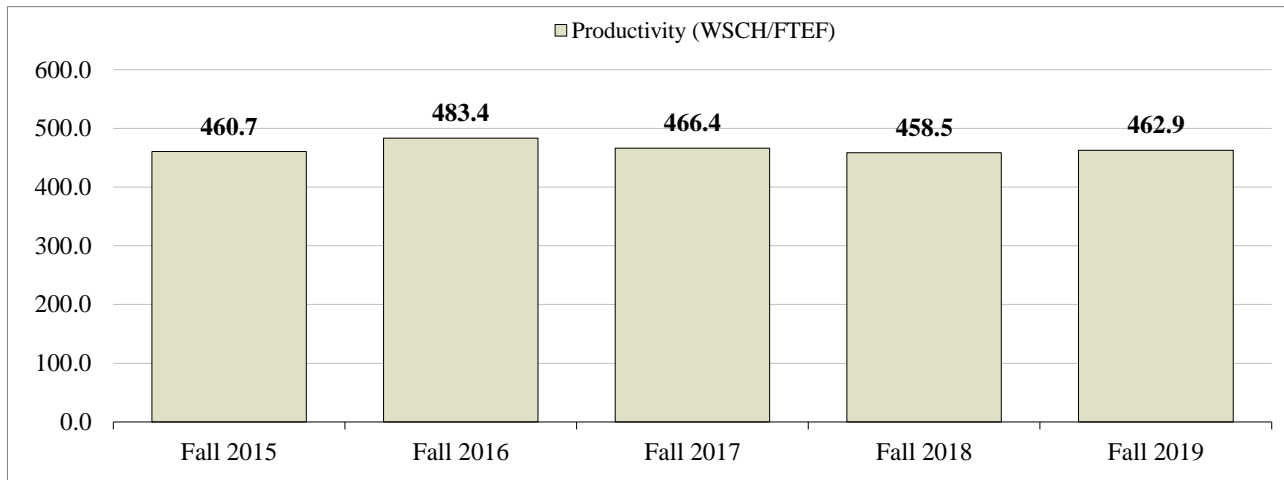


**Definitions:**

- 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

Biological Sciences ( BIO )					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
WSCH	5,763	6,299	6,077	6,791	7,908
FTES	189.5	206.1	199.2	222.8	261.2
FTEF	12.5	13.0	13.0	14.8	17.1
Productivity (WSCH/FTEF)	460.7	483.4	466.4	458.5	462.9



**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.

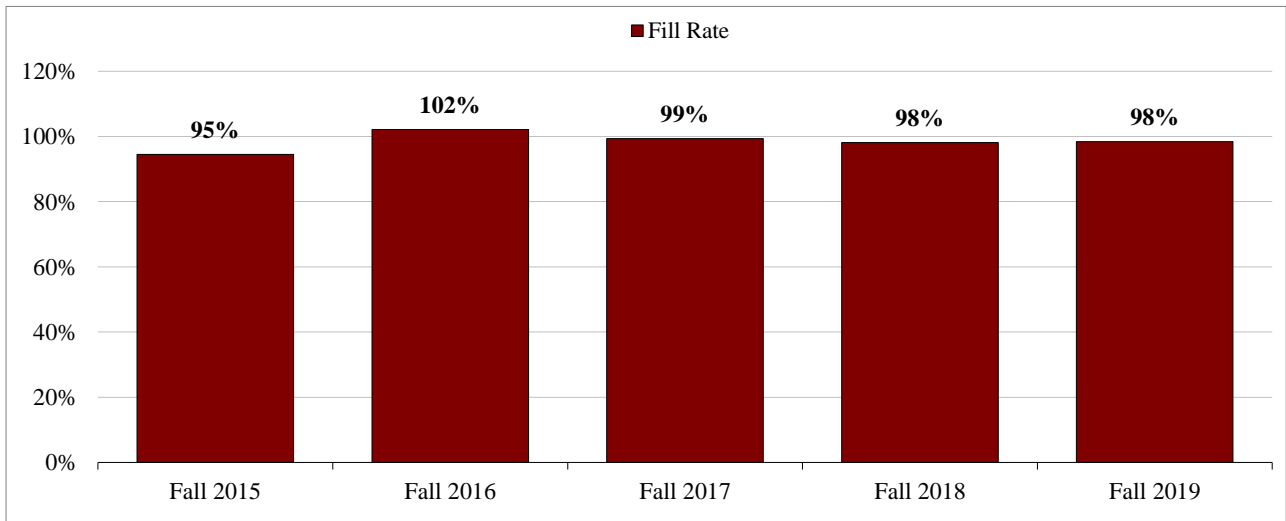
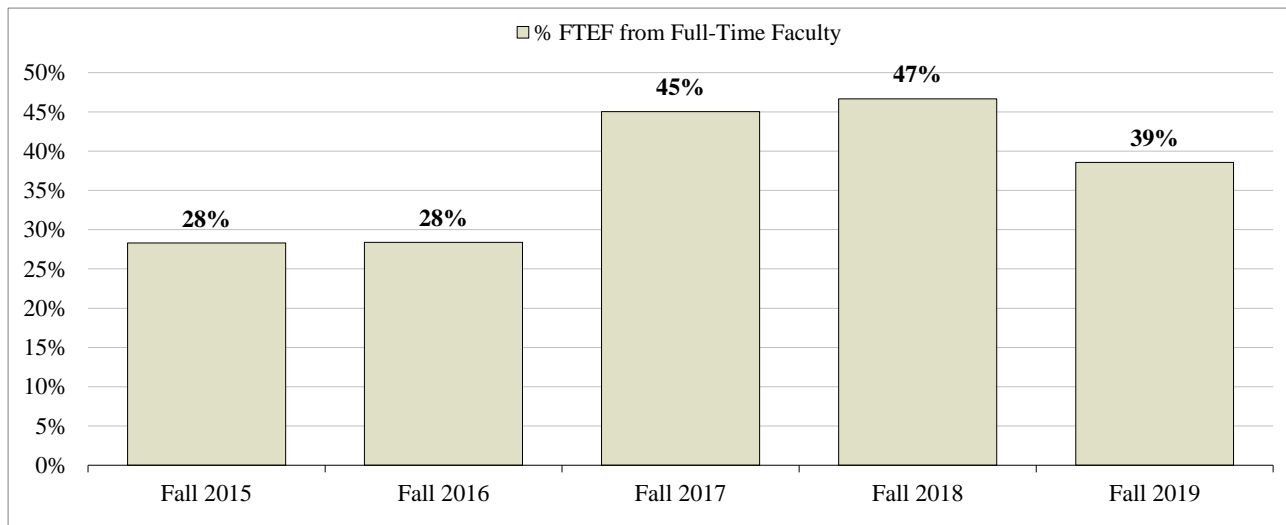
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

**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

	Biological Sciences ( BIO )				
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
FTEF from Full-Time Faculty	3.5	3.7	5.9	6.9	6.6
% FTEF from Full-Time Faculty	28%	28%	45%	47%	39%
Enrollments	884	932	902	984	1,126
Capacity (seats available)	935	912	908	1,003	1,144
Fill Rate	95%	102%	99%	98%	98%



**Definitions:**

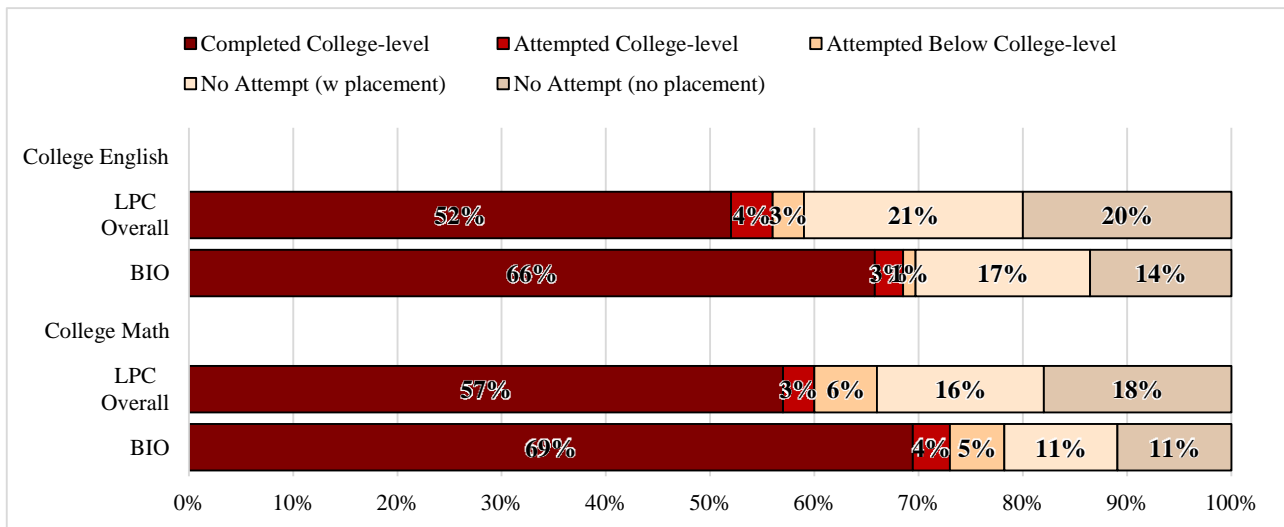
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% 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				
	BIO		LPC Overall	
	Num	Pct	Num	Pct
<b>College English</b>				
Completed College-level	704	66%	4,712	52%
Attempted College-level	29	3%	393	4%
Attempted Below College-level	13	1%	261	3%
No Attempt (with placement)	179	17%	1,887	21%
No Attempt (no placement)	145	14%	1,811	20%
<b>College Math</b>				
Completed College-level	743	69%	5,193	57%
Attempted College-level	38	4%	302	3%
Attempted Below College-level	56	5%	538	6%
No Attempt (with placement)	116	11%	1,405	16%
No Attempt (no placement)	117	11%	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 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.