



Las Positas College  
**Discipline Program Review Data Packet**  
Fall 2017 to Fall 2021

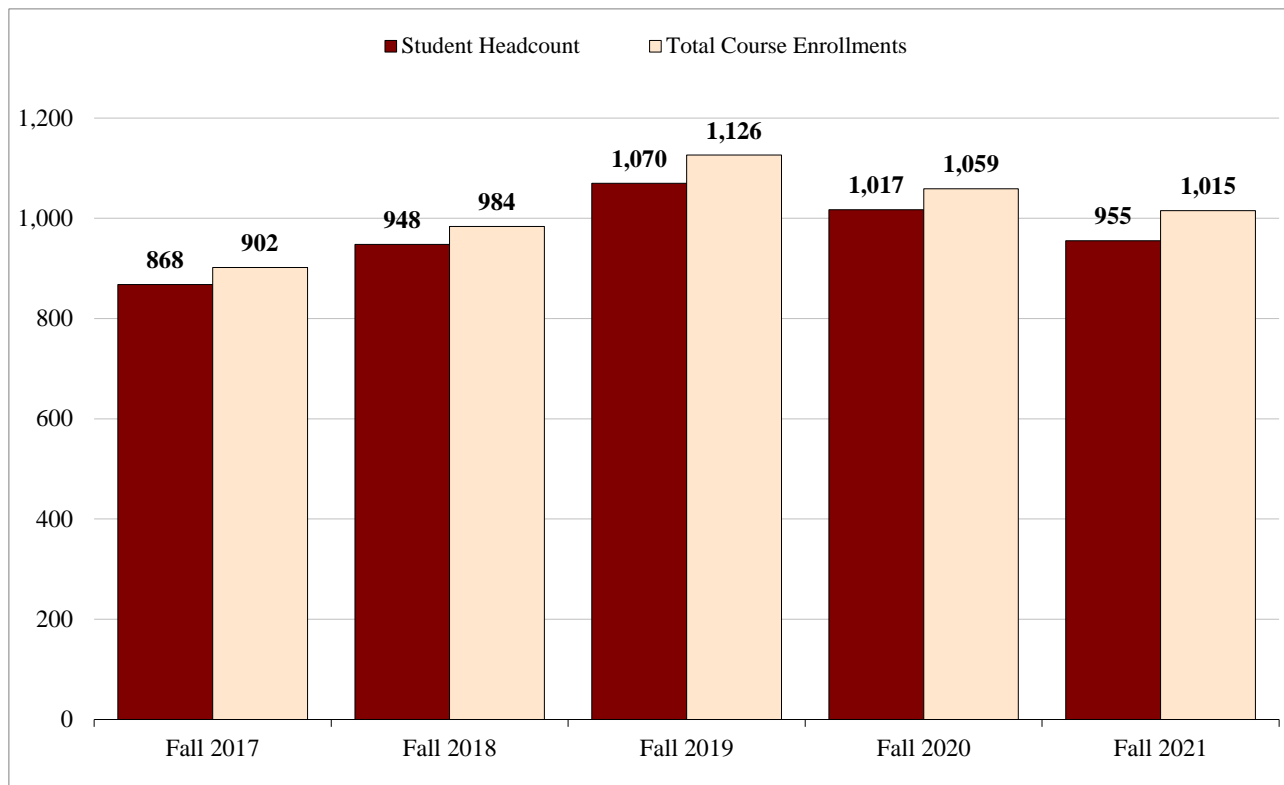
Discipline:

**Biological Sciences (BIO)**

<b><u>TABLE OF CONTENTS</u></b>	<b><u>PAGE</u></b>
Headcount & Enrollment .....	1
Student Demographics: Gender & Age .....	2
Student Demographics: Race-Ethnicity .....	3
Student Enrollment Status .....	4
Student Unit Load .....	5
Students Using Distance Education .....	6
Student Educational Goal .....	7
Highest Educational Level of Students .....	8
Student Performance: Grade Distribution .....	9
Student Performance: Distance Education .....	10
Enrollment Management Data .....	11-12
Prior Experience in English & Math .....	13

## Headcount & Enrollment

Biological Sciences ( BIO )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Student Headcount	868	948	1,070	1,017	955
Total Course Enrollments	902	984	1,126	1,059	1,015



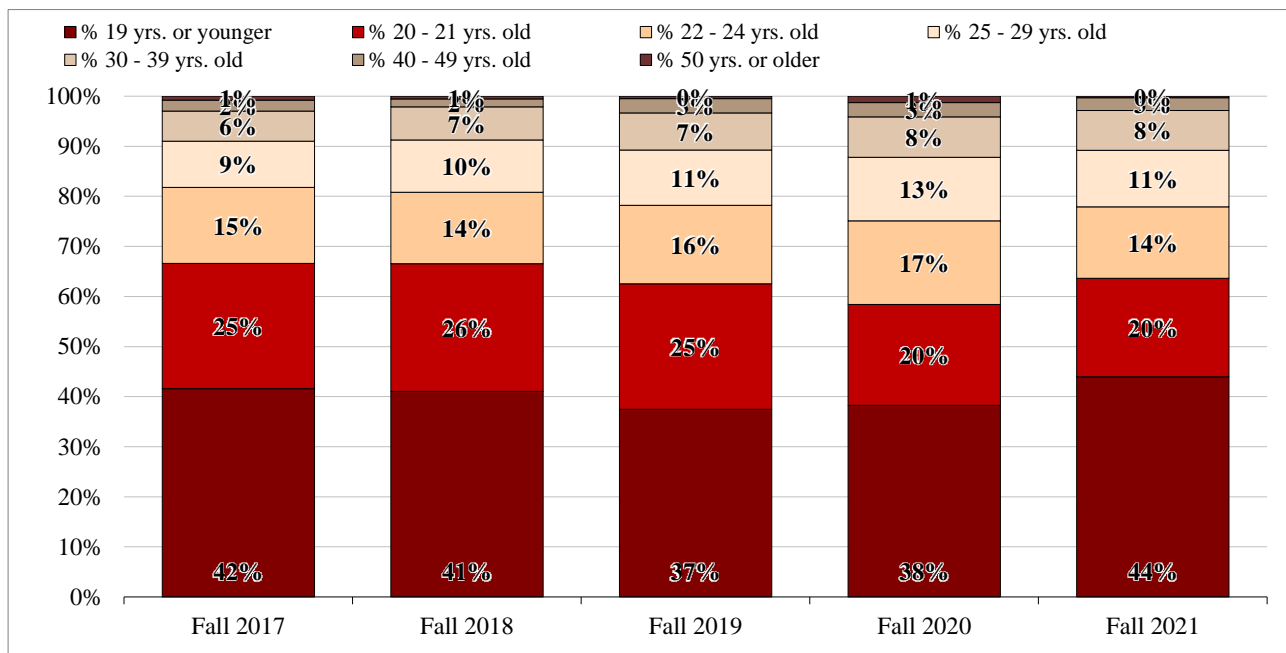
**Definitions:**

**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.

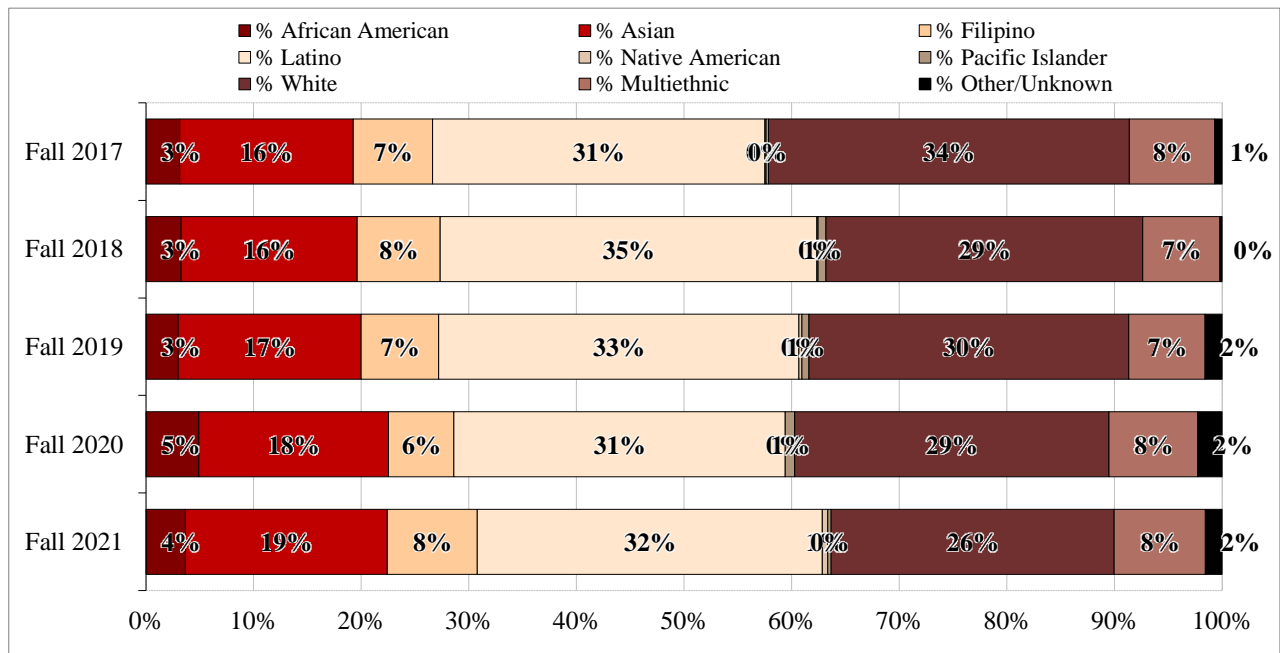
### Student Demographics: Gender & Age

Biological Sciences ( BIO )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Female	535	597	665	681	626
Male	321	333	387	321	316
19 yrs. or younger	361	389	401	389	420
20-21 yrs. old	217	242	268	205	188
22-24 yrs. old	132	135	168	170	136
25-29 yrs. old	80	99	118	129	108
30-39 yrs. old	52	63	79	82	76
40-49 yrs. old	19	15	31	29	24
50 yrs. or older	7	5	5	13	3
% Female	63%	64%	63%	68%	66%
% Male	38%	36%	37%	32%	34%
% 19 yrs. or younger	42%	41%	37%	38%	44%
% 20 - 21 yrs. old	25%	26%	25%	20%	20%
% 22 - 24 yrs. old	15%	14%	16%	17%	14%
% 25 - 29 yrs. old	9%	10%	11%	13%	11%
% 30 - 39 yrs. old	6%	7%	7%	8%	8%
% 40 - 49 yrs. old	2%	2%	3%	3%	3%
% 50 yrs. or older	1%	1%	<1%	1%	<1%



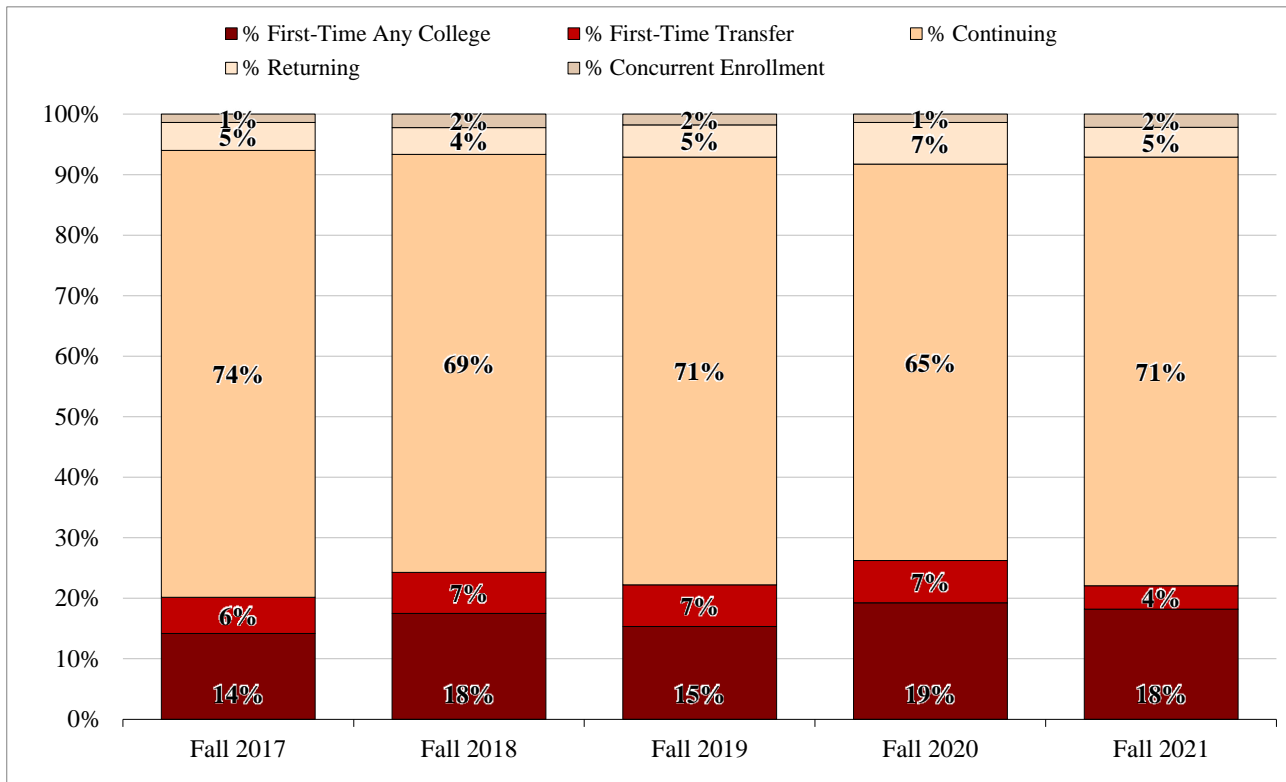
### Student Demographic: Race-Ethnicity

Biological Sciences ( BIO )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
African American	27	31	32	50	35
Asian	140	155	182	179	179
Filipino	64	73	77	62	80
Latino	268	332	358	313	306
Native American	1	1	3	0	5
Pacific Islander	2	7	7	9	3
White	291	279	318	297	251
Multiethnic	69	68	76	84	81
Other/Unknown	6	2	17	23	15
% African American	3%	3%	3%	5%	4%
% Asian	16%	16%	17%	18%	19%
% Filipino	7%	8%	7%	6%	8%
% Latino	31%	35%	33%	31%	32%
% Native American	<1%	<1%	<1%	0%	1%
% Pacific Islander	<1%	1%	1%	1%	<1%
% White	34%	29%	30%	29%	26%
% Multiethnic	8%	7%	7%	8%	8%
% Other/Unknown	1%	<1%	2%	2%	2%



### Student Enrollment Status

Biological Sciences ( BIO )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
First-Time Any College	123	166	164	196	174
First-Time Transfer	52	64	74	71	37
Continuing	641	655	756	666	676
Returning	40	42	57	70	47
Concurrent Enrollment	12	21	19	14	21
% First-Time Any College	14%	18%	15%	19%	18%
% First-Time Transfer	6%	7%	7%	7%	4%
% Continuing	74%	69%	71%	65%	71%
% Returning	5%	4%	5%	7%	5%
% Concurrent Enrollment	1%	2%	2%	1%	2%

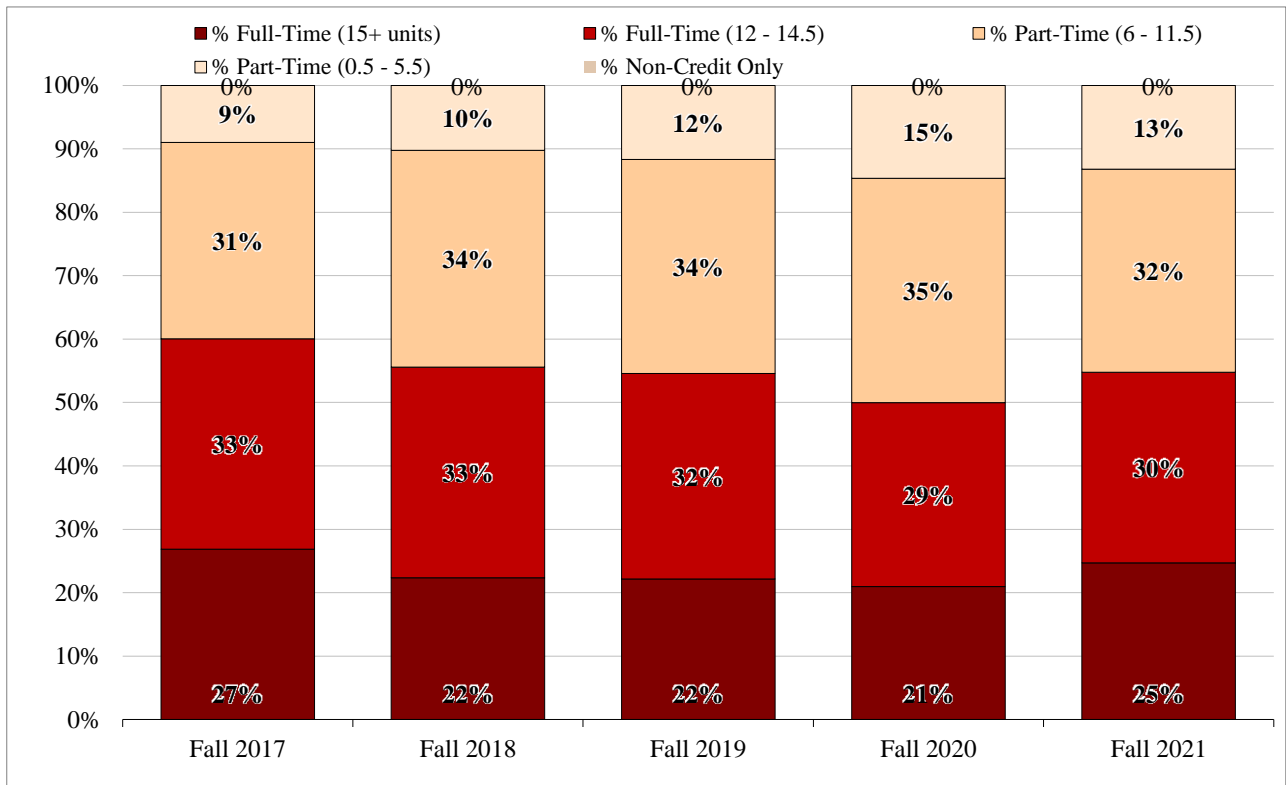


**Definitions:**

- 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.

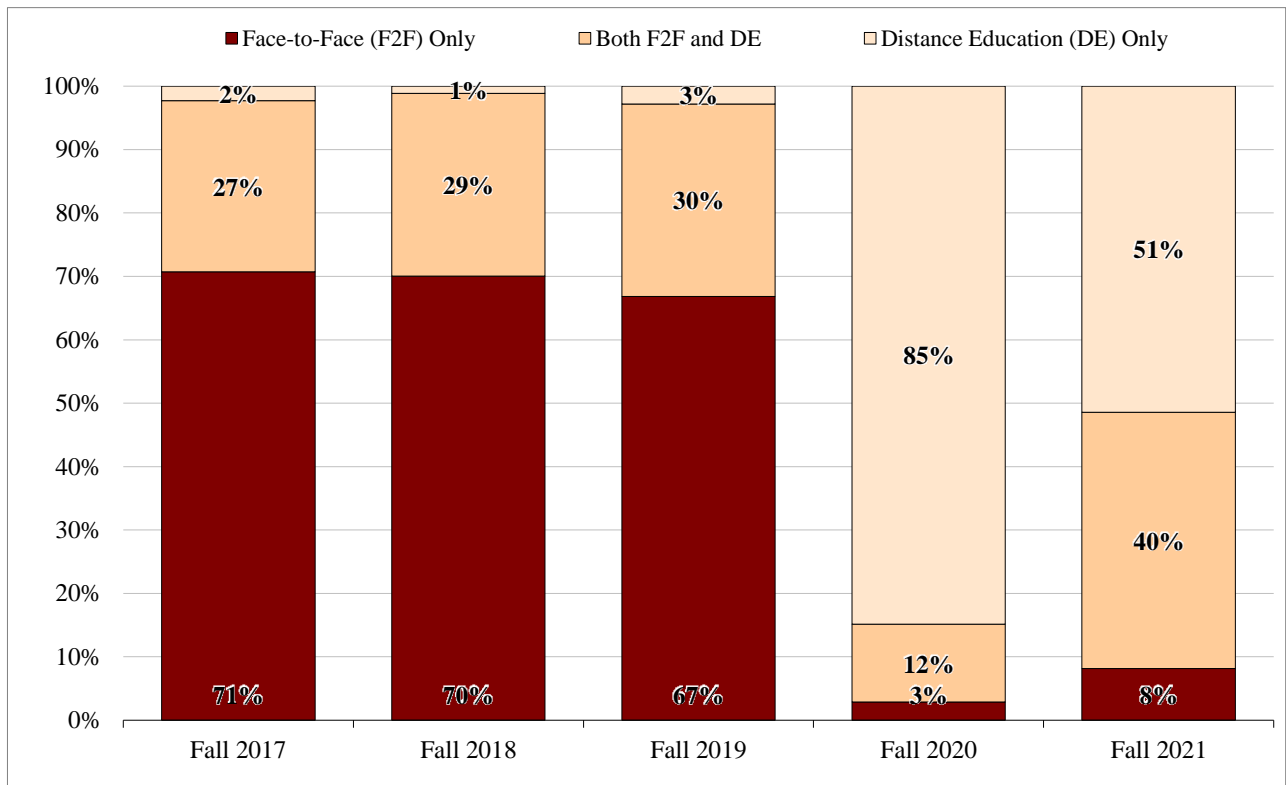
### Student Unit Load

	Biological Sciences ( BIO )				
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Full-Time (15+ units)	233	212	237	213	236
Full-Time (12 - 14.5)	288	315	347	295	287
Part-Time (6 - 11.5)	269	324	361	360	306
Part-Time (0.5 - 5.5)	78	97	125	149	126
Non-Credit Only	0	0	0	0	0
% Full-Time (15+ units)	27%	22%	22%	21%	25%
% Full-Time (12 - 14.5)	33%	33%	32%	29%	30%
% Part-Time (6 - 11.5)	31%	34%	34%	35%	32%
% Part-Time (0.5 - 5.5)	9%	10%	12%	15%	13%
% Non-Credit Only	0%	0%	0%	0%	0%



### Students Using Distance Education

Biological Sciences ( BIO )					
(Categories reflect college-wide coursework)	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Face-to-Face (F2F) Only	614	664	715	29	78
Both F2F and DE	234	273	325	125	386
Distance Education (DE) Only	20	11	30	863	491
% Face-to-Face (F2F) Only	71%	70%	67%	3%	8%
% Both F2F and DE	27%	29%	30%	12%	40%
% Distance Education (DE) Only	2%	1%	3%	85%	51%

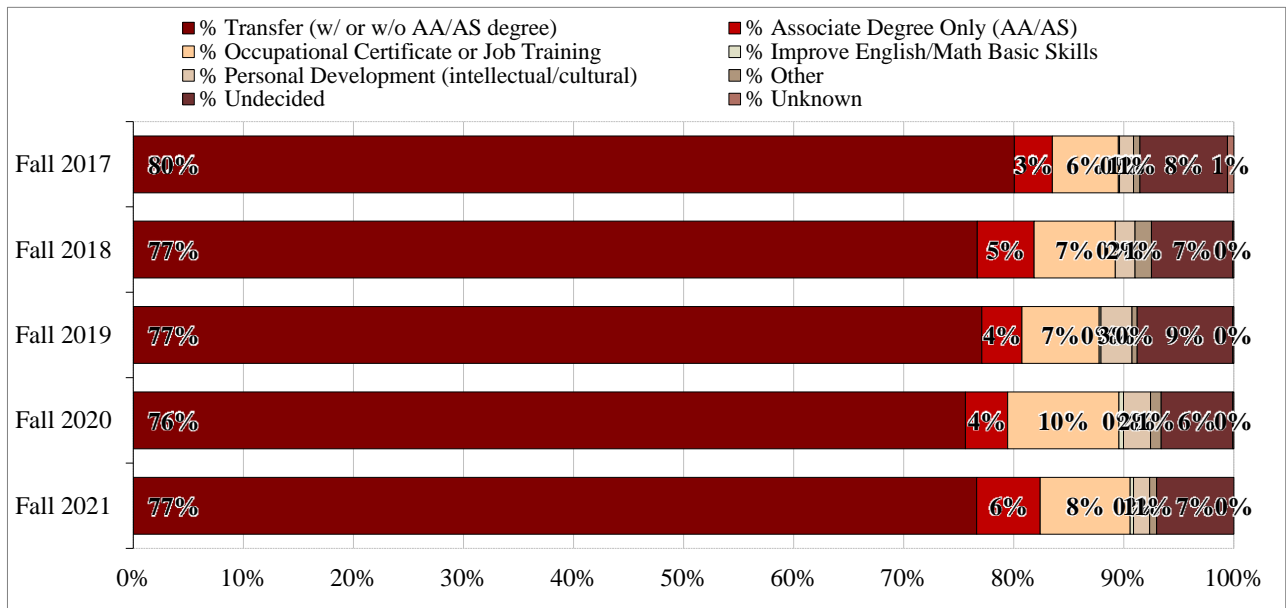


**Definitions:**

**Distance Education (DE)** includes enrollments in courses with section numbers designated as courses with 51% or more of instruction delivered online. Due to the COVID-19 pandemic, 2020-21 DE courses were distinguished through provisional designations.

### Student Educational Goal

Biological Sciences ( BIO )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Transfer (w/ or w/o AA/AS degree)	695	727	825	769	732
Associate Degree Only (AA/AS)	30	49	39	39	55
Occupational Certificate or Job Training	52	70	75	103	78
Improve English/Math Basic Skills	1	0	2	4	3
Personal Development (intellectual/cultural)	11	17	30	25	14
Other	5	14	5	10	6
Undecided	69	70	93	66	67
Unknown	5	1	1	1	0
% Transfer (w/ or w/o AA/AS degree)	80%	77%	77%	76%	77%
% Associate Degree Only (AA/AS)	3%	5%	4%	4%	6%
% Occupational Certificate or Job Training	6%	7%	7%	10%	8%
% Improve English/Math Basic Skills	<1%	0%	<1%	<1%	<1%
% Personal Development (intellectual/cultural)	1%	2%	3%	2%	1%
% Other	1%	1%	<1%	1%	1%
% Undecided	8%	7%	9%	6%	7%
% Unknown	1%	<1%	<1%	<1%	0%



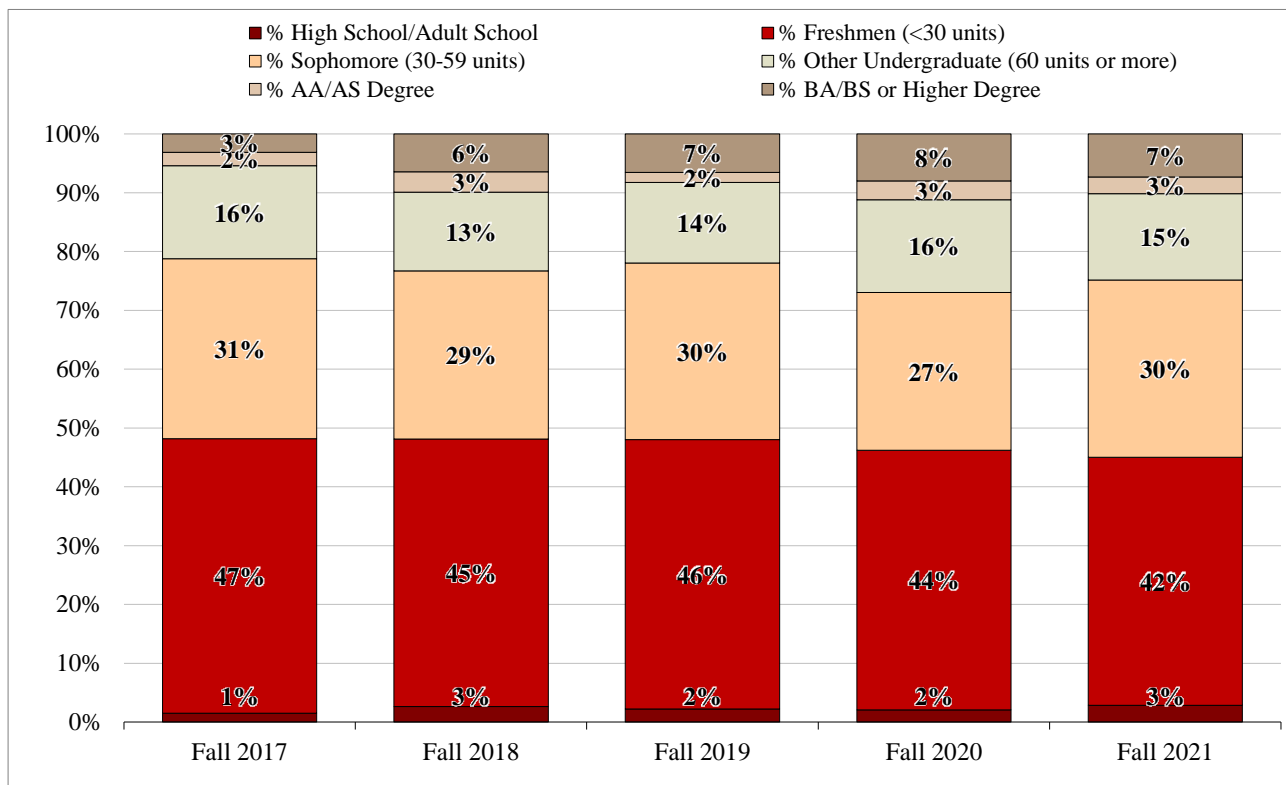
**Definitions:**

- 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.



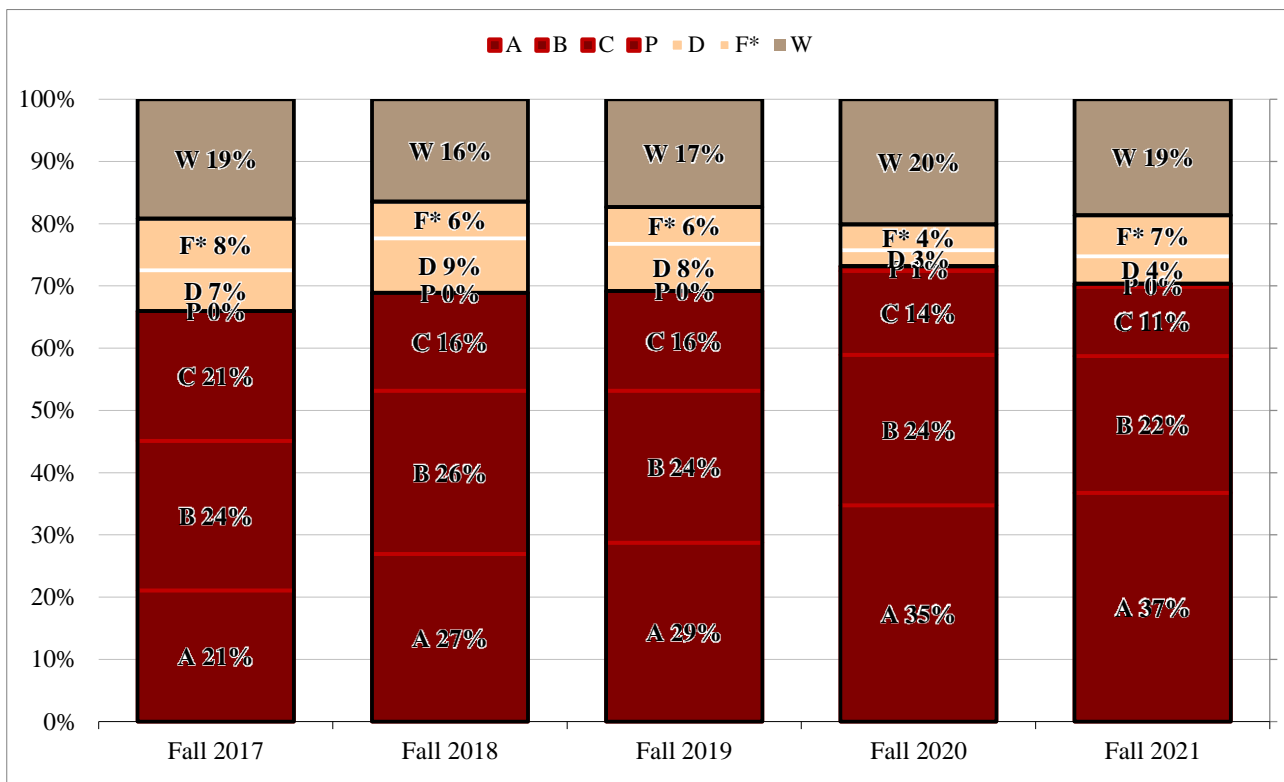
### Highest Educational Level of Students

Biological Sciences ( BIO )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
High School/Adult School	13	25	24	21	27
Freshmen (<30 units)	405	431	490	449	403
Sophomore (30-59 units)	266	271	321	273	288
Other Undergraduate (60 units or more)	137	127	147	160	140
AA/AS Degree	20	33	18	33	27
BA/BS or Higher Degree	27	61	70	81	70
% High School/Adult School	1%	3%	2%	2%	3%
% Freshmen (<30 units)	47%	45%	46%	44%	42%
% Sophomore (30-59 units)	31%	29%	30%	27%	30%
% Other Undergraduate (60 units or more)	16%	13%	14%	16%	15%
% AA/AS Degree	2%	3%	2%	3%	3%
% BA/BS or Higher Degree	3%	6%	7%	8%	7%



### Student Performance: Grade Distribution

Biological Sciences ( BIO )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
<b>Total Course Enrollments</b>	<b>902</b>	<b>984</b>	<b>1,126</b>	<b>1,059</b>	<b>1,015</b>
<b>Course Success Rates</b>	<b>66%</b>	<b>69%</b>	<b>69%</b>	<b>73%</b>	<b>70%</b>
A	21%	27%	29%	35%	37%
B	24%	26%	24%	24%	22%
C	21%	16%	16%	14%	11%
P	0%	0%	0%	1%	0%
<b>Course Non-Success Rate</b>	<b>15%</b>	<b>15%</b>	<b>13%</b>	<b>7%</b>	<b>11%</b>
D	7%	9%	8%	3%	4%
F*	8%	6%	6%	4%	7%
<b>Withdrawals (See Note)</b>	<b>19%</b>	<b>16%</b>	<b>17%</b>	<b>20%</b>	<b>19%</b>



**Definitions:**

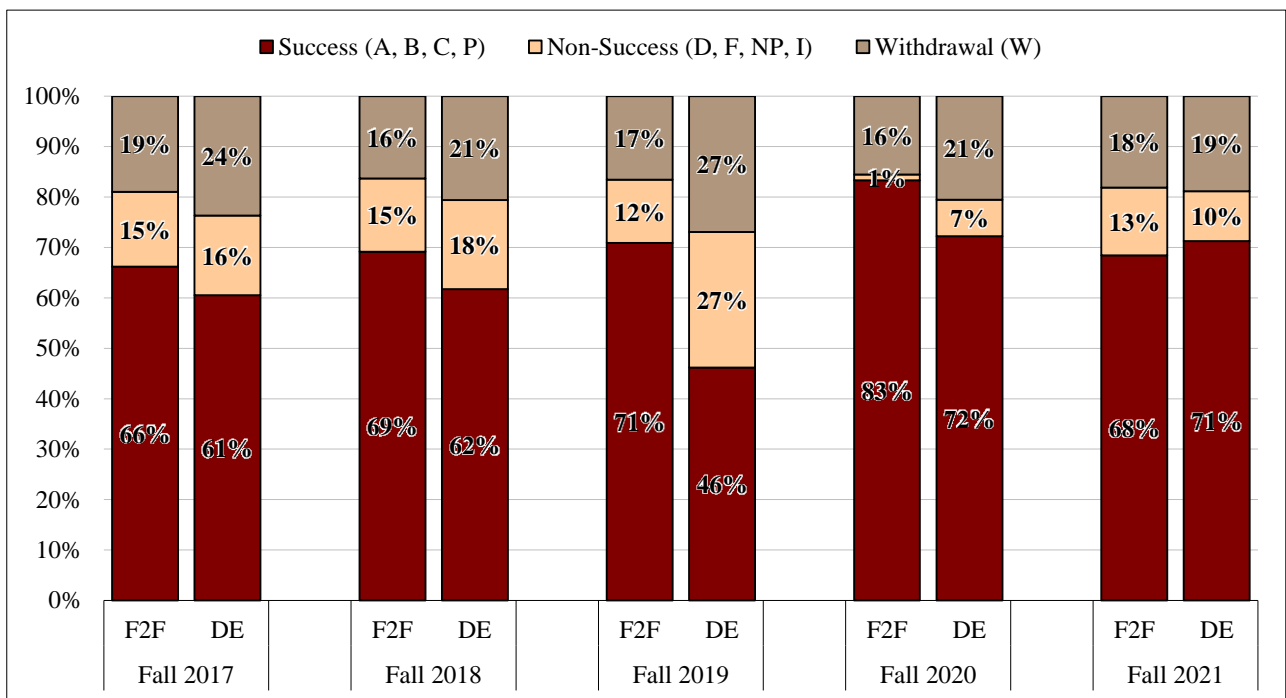
**Course Success Rate:** Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

**Course Non-Success Rate:** Share of course enrollments resulting in a grade of 'D' or F\* (includes: 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP').

**Withdrawals** are the share of course enrollments resulting in (1) a grade notation of 'W', 'MW', or 'EW', or, (2) a course dropped due to COVID-19.

### Student Performance: Distance Education

Biological Sciences ( BIO )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
<b>Total Course Enrollments</b>	<b>902</b>	<b>984</b>	<b>1,126</b>	<b>1,059</b>	<b>1,015</b>
<b>Face-to-Face (F2F) Sections</b>	<b>864</b>	<b>950</b>	<b>1,048</b>	<b>90</b>	<b>336</b>
Success Rates	66%	69%	71%	83%	68%
Non-Success Rates	15%	15%	12%	1%	13%
Withdrawals	19%	16%	17%	16%	18%
<b>Distance Education (DE) Sections</b>	<b>38</b>	<b>34</b>	<b>78</b>	<b>969</b>	<b>679</b>
Success Rates	61%	62%	46%	72%	71%
Non-Success Rates	16%	18%	27%	7%	10%
Withdrawals	24%	21%	27%	21%	19%



**Definitions:**

**Course Success Rate:** Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

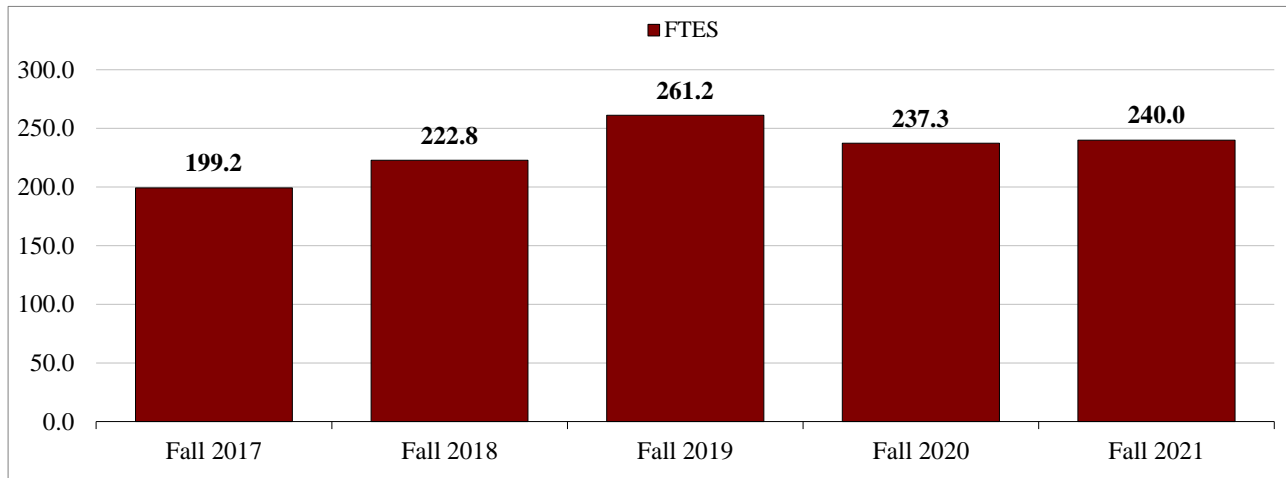
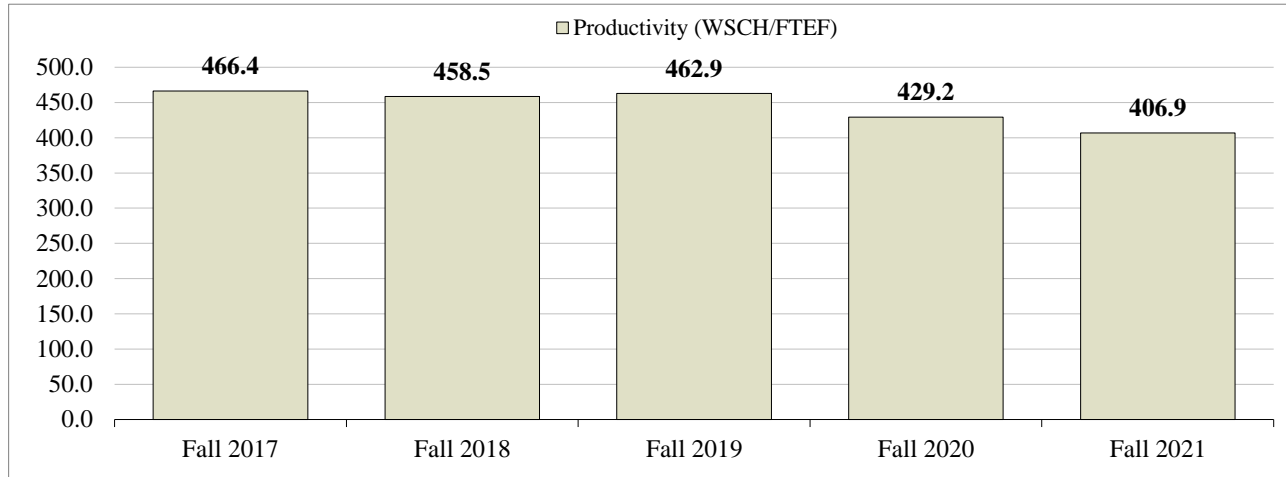
**Course Non-Success Rate:** Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

**Withdrawals** are the share of course enrollments resulting in (1) a grade notation of 'W', 'MW', or 'EW', or, (2) a course dropped due to COVID-19.

**Distance Education (DE)** includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'. In 2020-21, due to the COVID-19 pandemic, DE sections were distinguished through provisional designations.

## Enrollment Management: Part 1

Biological Sciences ( BIO )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
WSCH	6,077	6,791	7,908	7,247	7,288
FTES	199.2	222.8	261.2	237.3	240.0
FTEF	13.0	14.8	17.1	16.9	17.9
Productivity (WSCH/FTEF)	466.4	458.5	462.9	429.2	406.9



**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.

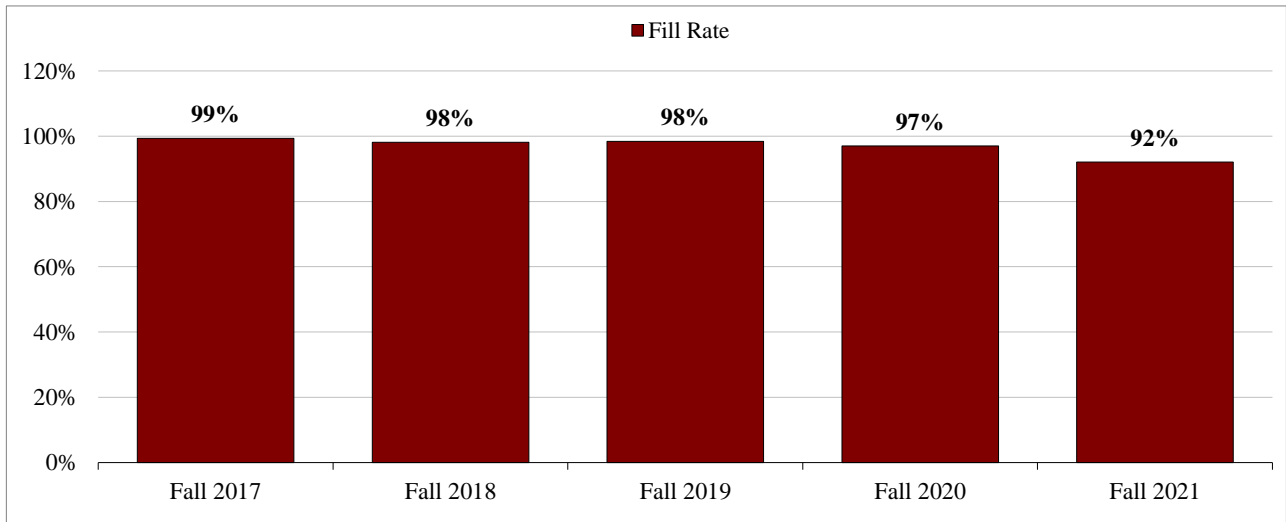
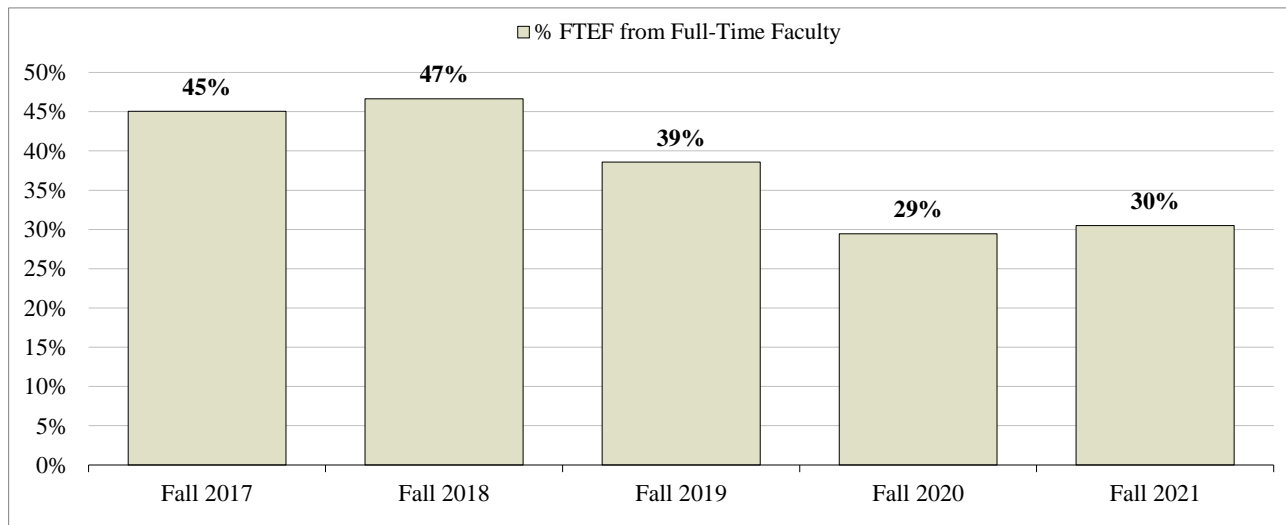
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

**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 7/20/21.

## Enrollment Management: Part 2

Biological Sciences ( BIO )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
FTEF from Full-Time Faculty	5.9	6.9	6.6	5.0	5.5
% FTEF from Full-Time Faculty	45%	47%	39%	29%	30%
Enrollments	902	984	1,126	1,059	1,015
Capacity (seats available)	908	1,003	1,144	1,092	1,102
Fill Rate	99%	98%	98%	97%	92%



**Definitions:**

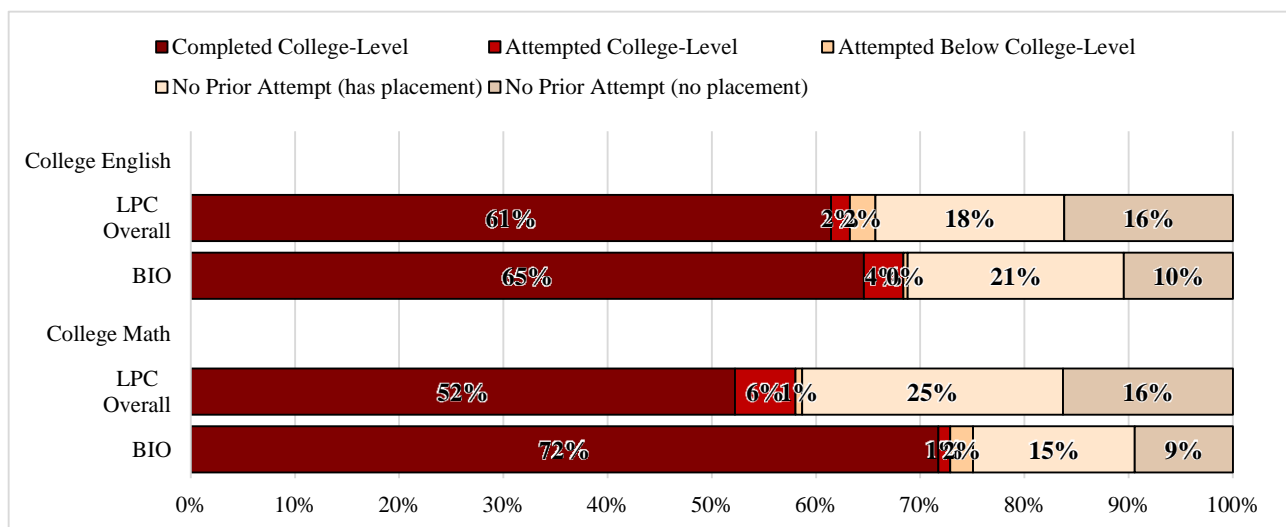
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% 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 7/20/21.

### Prior Experience in English & Math

	Fall 2021			
	BIO		LPC Overall	
	Num	Pct	Num	Pct
<b>College English</b>				
Completed College-level	617	65%	3,849	52%
Attempted College-level	36	4%	430	6%
Attempted Below College-level	4	<1%	46	1%
No Prior Attempt (has placement)	198	21%	1,845	25%
No Prior Attempt (no placement)	100	10%	1,202	16%
<b>College Math</b>				
Completed College-level	685	72%	4,530	61%
Attempted College-level	11	1%	132	2%
Attempted Below College-level	21	2%	181	2%
No Prior Attempt (has placement)	148	15%	1,337	18%
No Prior Attempt (no placement)	90	9%	1,192	16%



**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 Prior Attempt (has placement)** = no previous English enrollments within the sequence but has used a placement tool.

**No Prior 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 Prior Attempt (has placement)** = no previous Math enrollments within the sequence but has used a placement tool.

**No Prior Attempt (no placement)** = no previous Math enrollments within the sequence and did not utilize a placement tool.