



Las Positas College

Discipline Program Review Data Packet

Spring 2018 to Spring 2022

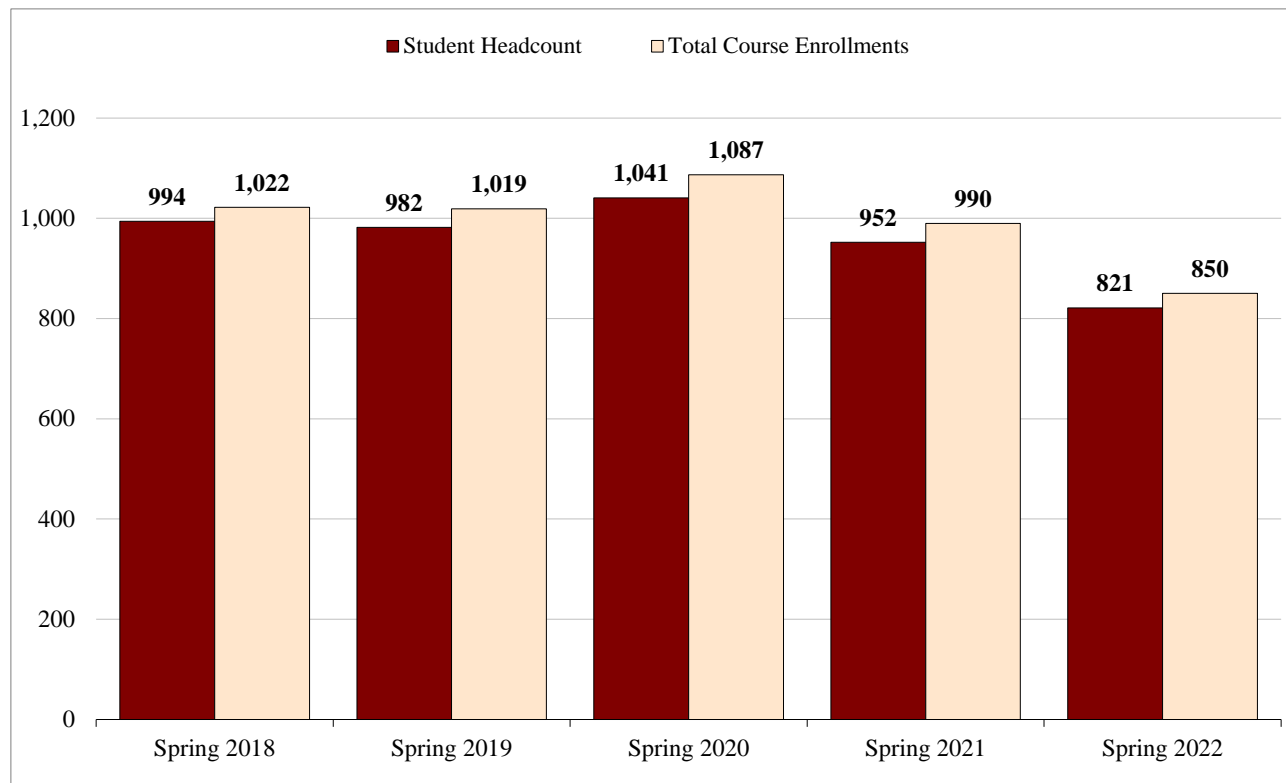
Discipline:

Biological Sciences (BIO)

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Headcount & Enrollment

Biological Sciences (BIO)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Student Headcount	994	982	1,041	952	821
Total Course Enrollments	1,022	1,019	1,087	990	850



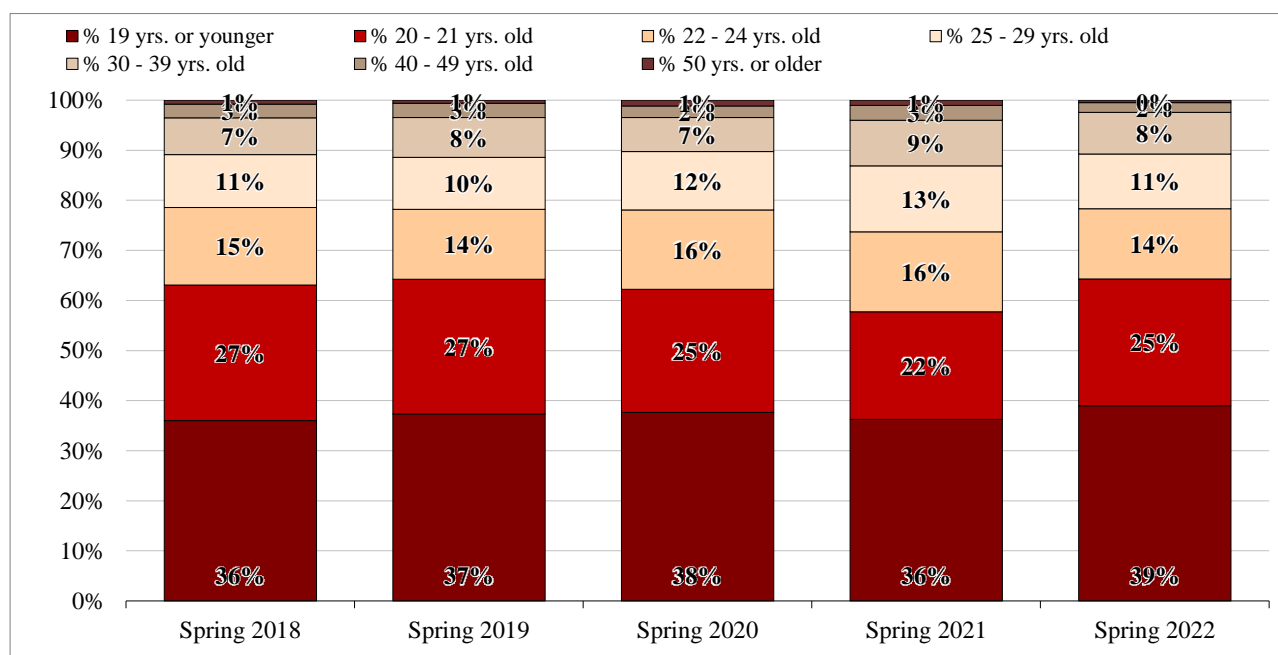
Definitions:

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.

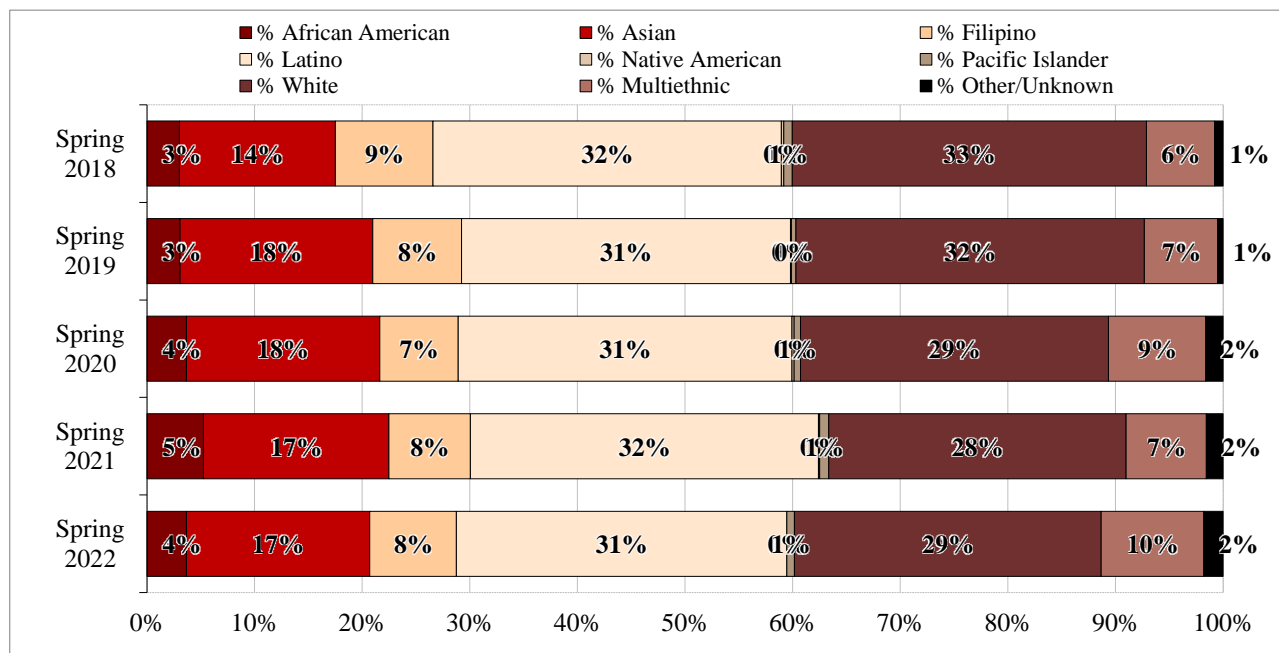
Student Demographics: Gender & Age

Biological Sciences (BIO)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Female	607	635	664	603	524
Male	374	336	359	333	291
19 yrs. or younger	358	367	392	345	320
20-21 yrs. old	269	264	256	205	208
22-24 yrs. old	154	137	165	152	115
25-29 yrs. old	105	102	121	125	90
30-39 yrs. old	73	78	71	87	68
40-49 yrs. old	27	28	24	28	16
50 yrs. or older	8	6	12	10	4
% Female	62%	65%	65%	64%	64%
% Male	38%	35%	35%	36%	36%
% 19 yrs. or younger	36%	37%	38%	36%	39%
% 20 - 21 yrs. old	27%	27%	25%	22%	25%
% 22 - 24 yrs. old	15%	14%	16%	16%	14%
% 25 - 29 yrs. old	11%	10%	12%	13%	11%
% 30 - 39 yrs. old	7%	8%	7%	9%	8%
% 40 - 49 yrs. old	3%	3%	2%	3%	2%
% 50 yrs. or older	1%	1%	1%	1%	<1%



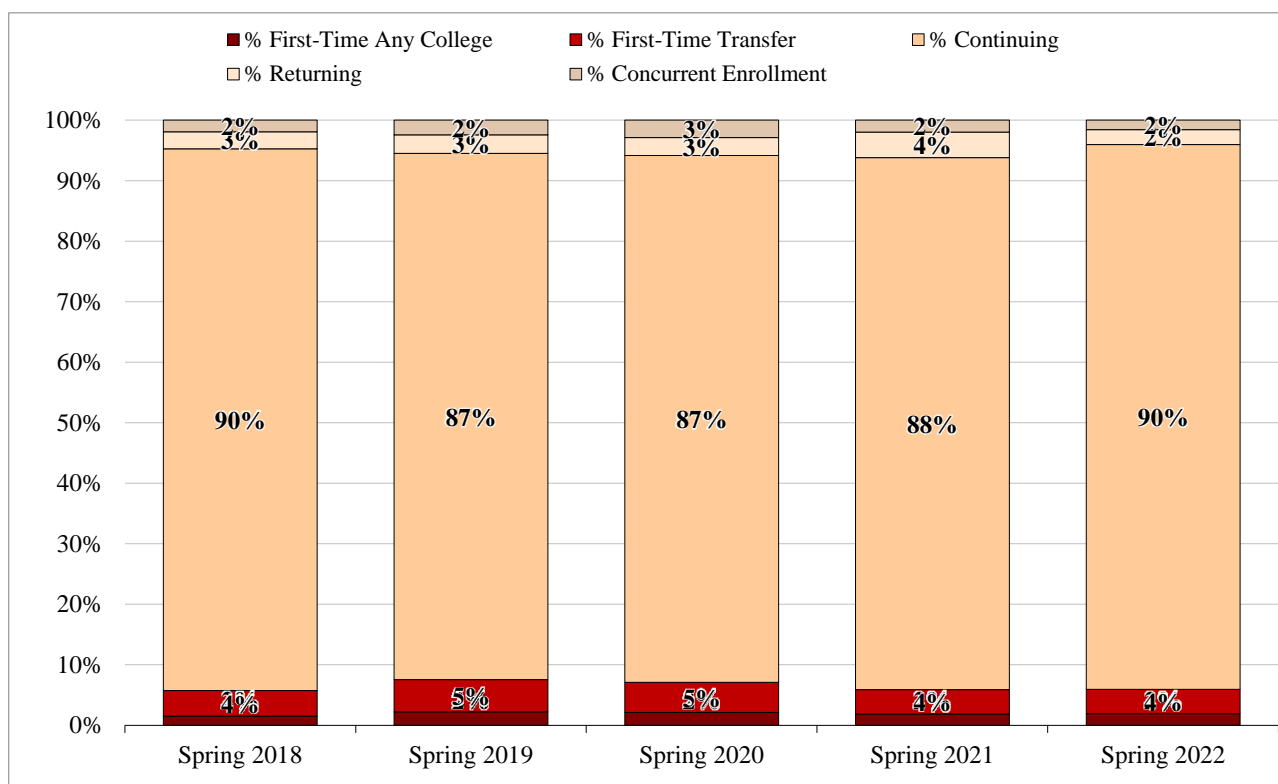
Student Demographic: Race-Ethnicity

Biological Sciences (BIO)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
African American	30	30	38	50	30
Asian	144	176	187	164	140
Filipino	90	81	76	72	66
Latino	322	300	323	308	252
Native American	2	1	2	1	0
Pacific Islander	8	4	6	8	6
White	327	318	298	263	234
Multiethnic	63	67	94	71	78
Other/Unknown	8	5	17	15	15
% African American	3%	3%	4%	5%	4%
% Asian	14%	18%	18%	17%	17%
% Filipino	9%	8%	7%	8%	8%
% Latino	32%	31%	31%	32%	31%
% Native American	<1%	<1%	<1%	<1%	0%
% Pacific Islander	1%	<1%	1%	1%	1%
% White	33%	32%	29%	28%	29%
% Multiethnic	6%	7%	9%	7%	10%
% Other/Unknown	1%	1%	2%	2%	2%



Student Enrollment Status

Biological Sciences (BIO)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
First-Time Any College	15	22	22	18	16
First-Time Transfer	42	52	52	38	33
Continuing	890	854	906	837	739
Returning	28	30	31	40	20
Concurrent Enrollment	19	24	30	19	13
% First-Time Any College	2%	2%	2%	2%	2%
% First-Time Transfer	4%	5%	5%	4%	4%
% Continuing	90%	87%	87%	88%	90%
% Returning	3%	3%	3%	4%	2%
% Concurrent Enrollment	2%	2%	3%	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.

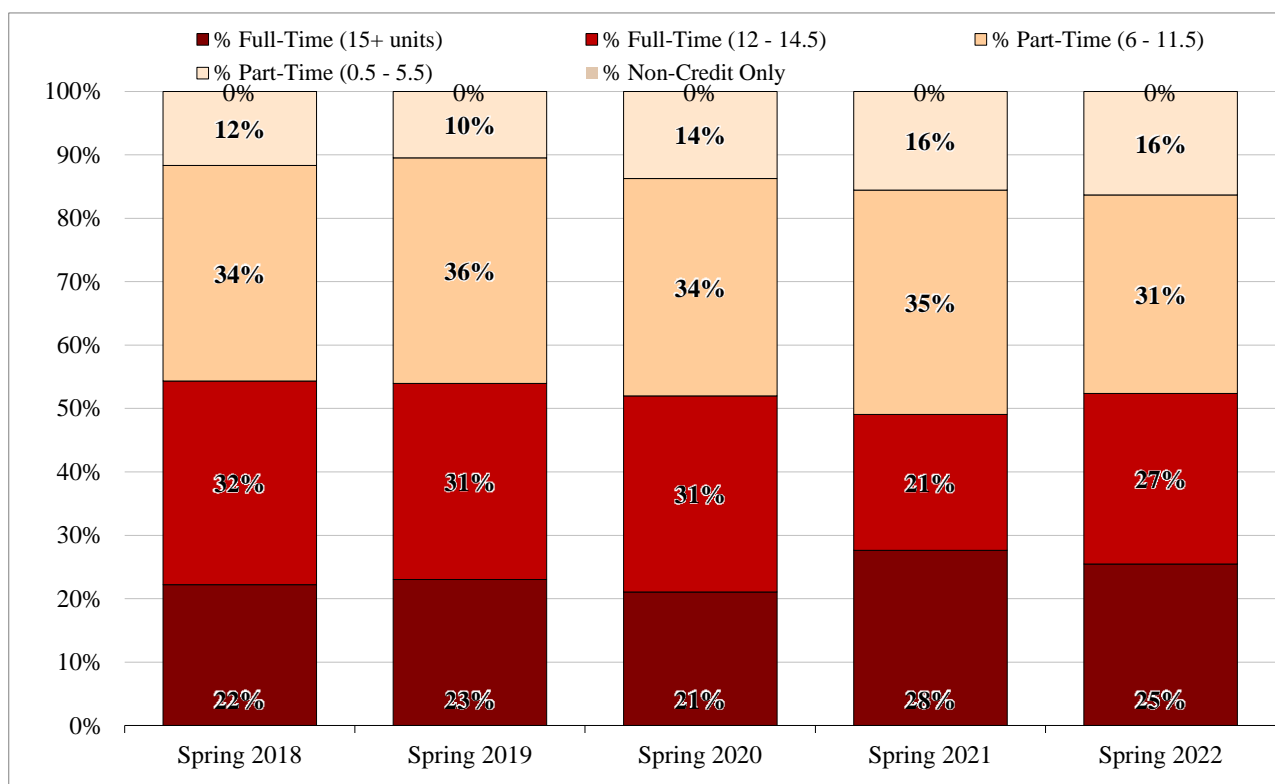
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

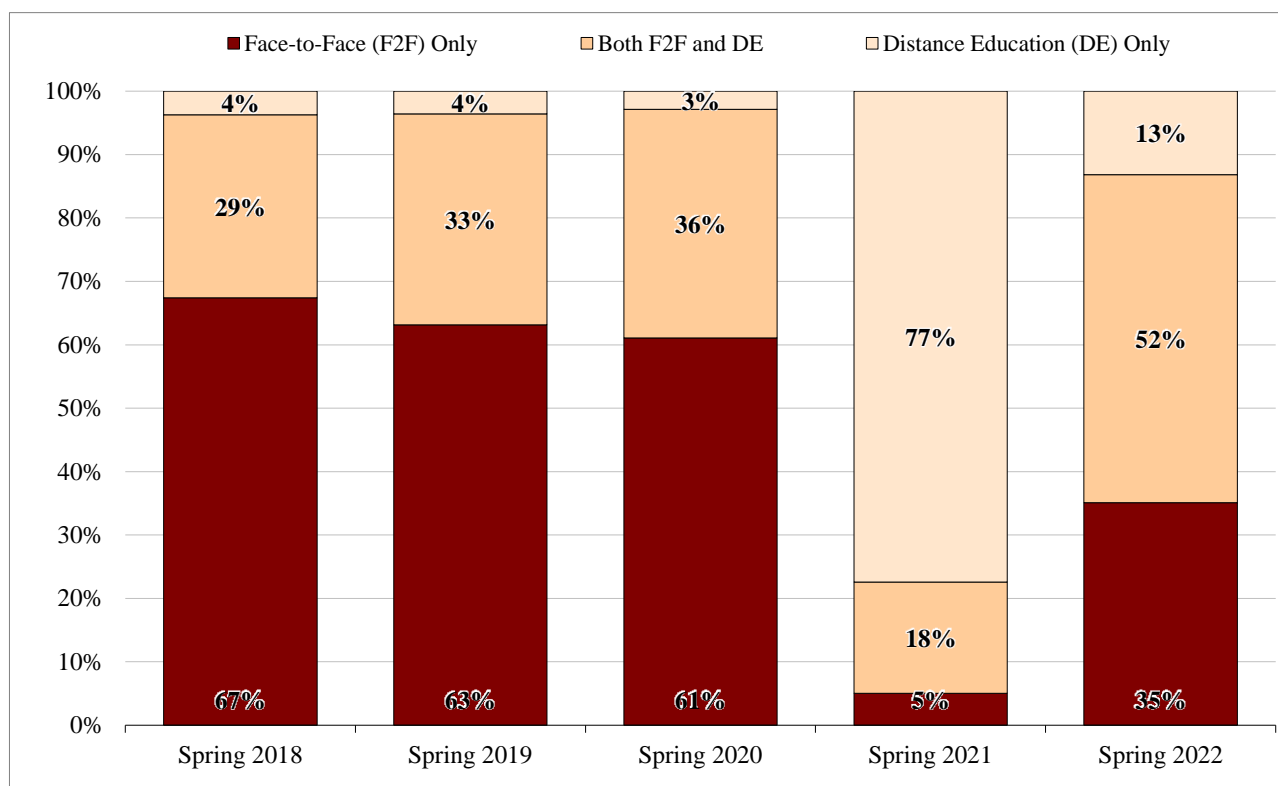
Student Unit Load

Biological Sciences (BIO)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Full-Time (15+ units)	221	226	219	263	209
Full-Time (12 - 14.5)	319	304	322	204	221
Part-Time (6 - 11.5)	338	349	357	337	257
Part-Time (0.5 - 5.5)	116	103	143	148	134
Non-Credit Only	0	0	0	0	0
% Full-Time (15+ units)	22%	23%	21%	28%	25%
% Full-Time (12 - 14.5)	32%	31%	31%	21%	27%
% Part-Time (6 - 11.5)	34%	36%	34%	35%	31%
% Part-Time (0.5 - 5.5)	12%	10%	14%	16%	16%
% Non-Credit Only	0%	0%	0%	0%	0%



Students Using Distance Education

Biological Sciences (BIO)					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Face-to-Face (F2F) Only	670	620	636	48	288
Both F2F and DE	287	327	375	167	425
Distance Education (DE) Only	37	35	30	737	108
% Face-to-Face (F2F) Only	67%	63%	61%	5%	35%
% Both F2F and DE	29%	33%	36%	18%	52%
% Distance Education (DE) Only	4%	4%	3%	77%	13%

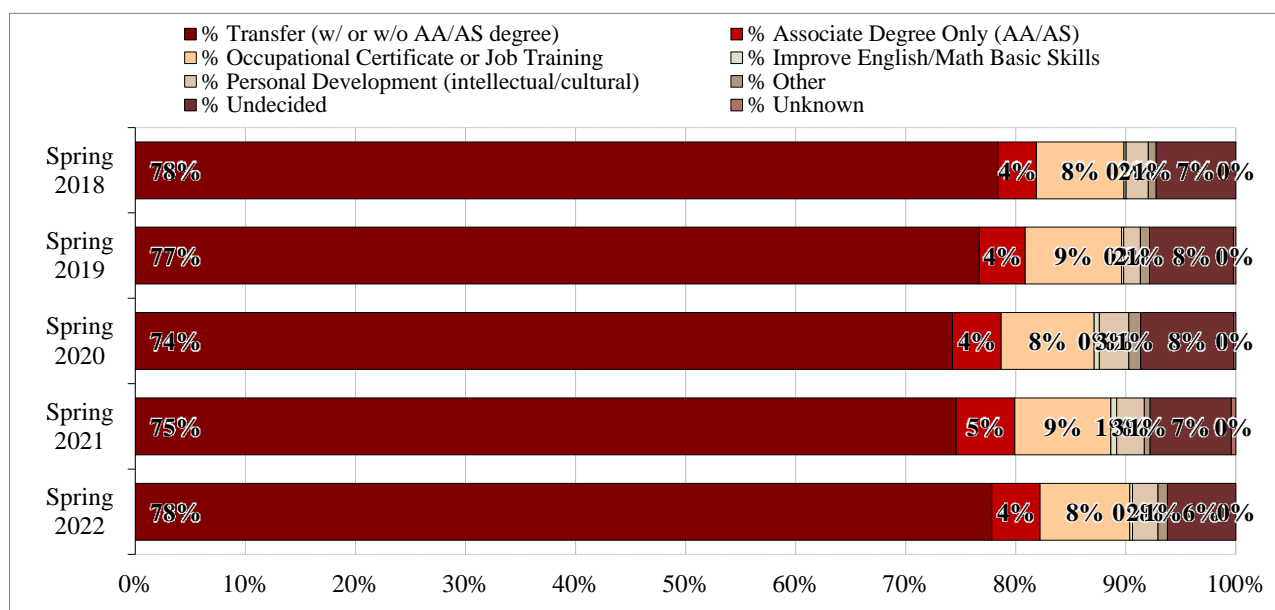


Definitions:

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				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Transfer (w/ or w/o AA/AS degree)	779	753	773	710	639
Associate Degree Only (AA/AS)	35	41	46	51	36
Occupational Certificate or Job Training	79	86	88	83	67
Improve English/Math Basic Skills	2	2	5	5	2
Personal Development (intellectual/cultural)	20	15	28	24	19
Other	7	8	11	5	7
Undecided	72	75	88	70	51
Unknown	0	2	2	4	0
% Transfer (w/ or w/o AA/AS degree)	78%	77%	74%	75%	78%
% Associate Degree Only (AA/AS)	4%	4%	4%	5%	4%
% Occupational Certificate or Job Training	8%	9%	8%	9%	8%
% Improve English/Math Basic Skills	<1%	<1%	<1%	1%	<1%
% Personal Development (intellectual/cultural)	2%	2%	3%	3%	2%
% Other	1%	1%	1%	1%	1%
% Undecided	7%	8%	8%	7%	6%
% Unknown	0%	<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.

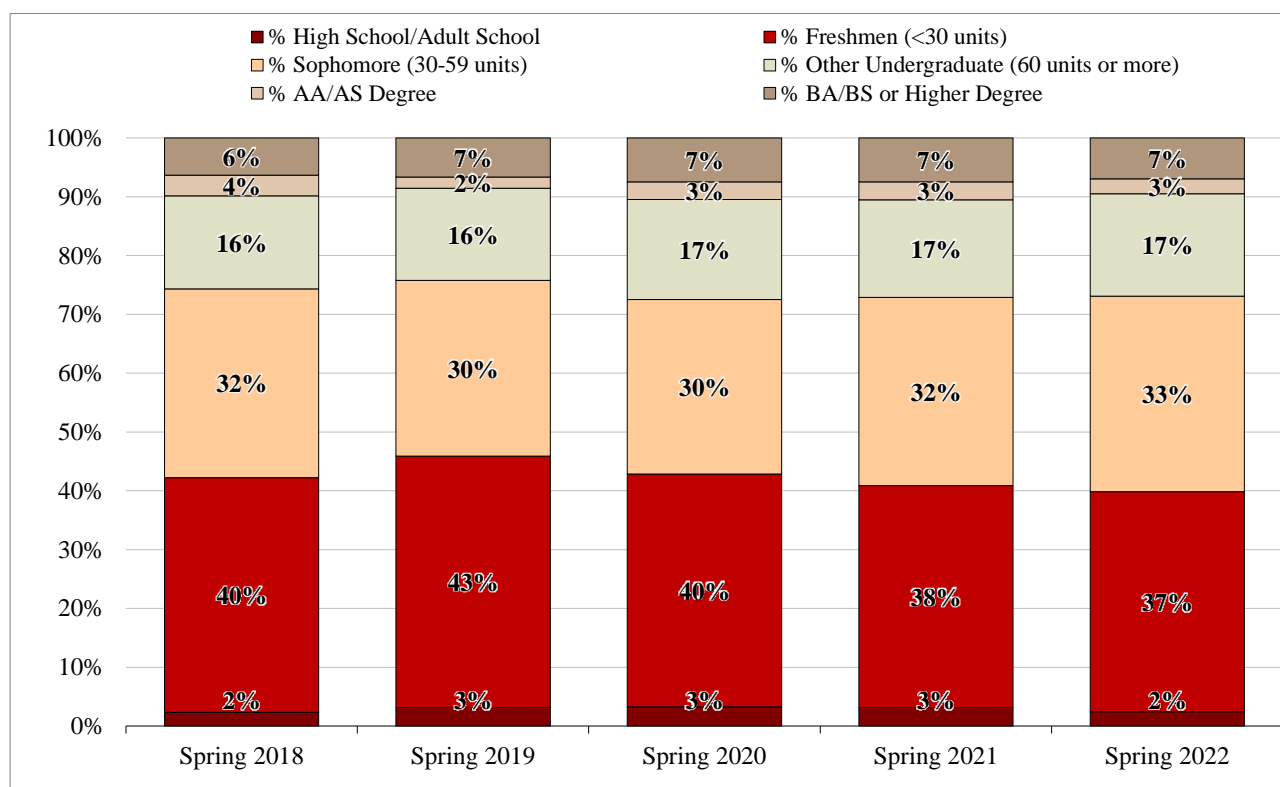
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

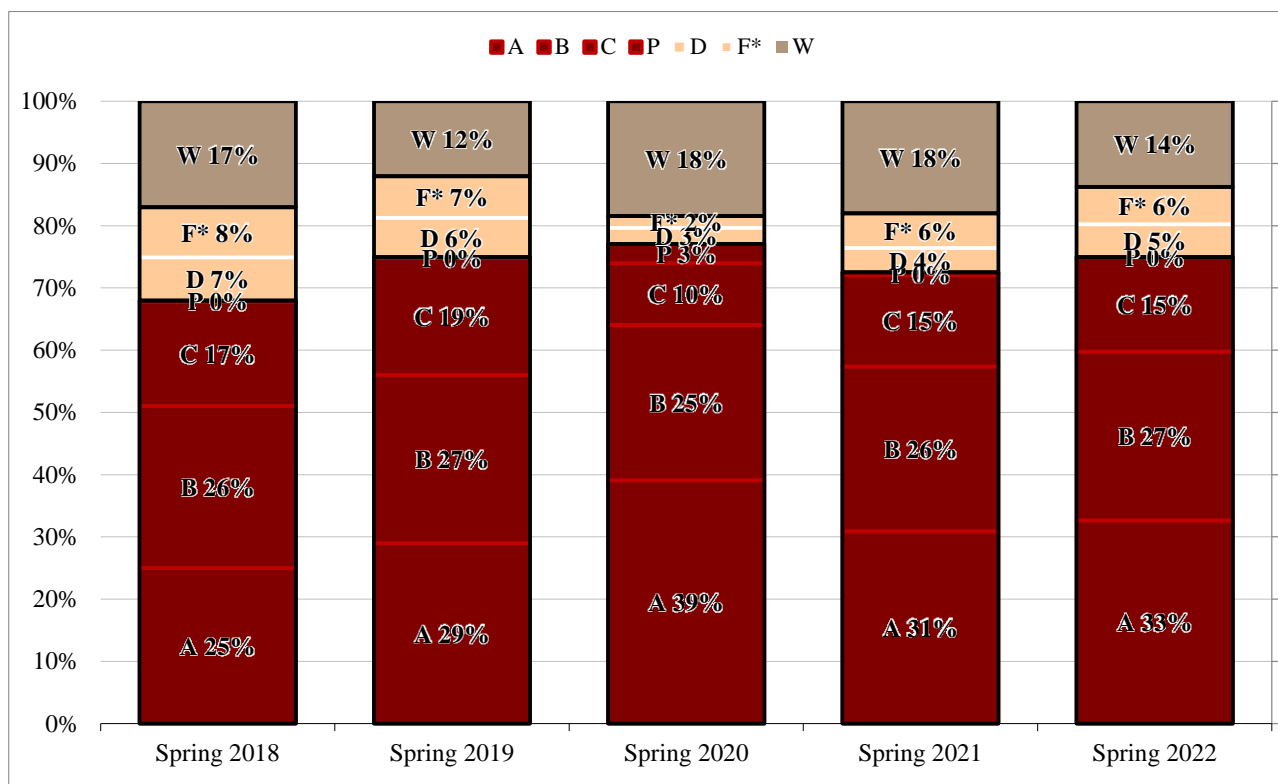
Highest Educational Level of Students

Biological Sciences (BIO)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
High School/Adult School	23	31	34	30	20
Freshmen (<30 units)	397	420	412	359	307
Sophomore (30-59 units)	319	293	309	305	273
Other Undergraduate (60 units or more)	157	154	177	158	143
AA/AS Degree	35	19	31	29	21
BA/BS or Higher Degree	63	65	78	71	57
% High School/Adult School	2%	3%	3%	3%	2%
% Freshmen (<30 units)	40%	43%	40%	38%	37%
% Sophomore (30-59 units)	32%	30%	30%	32%	33%
% Other Undergraduate (60 units or more)	16%	16%	17%	17%	17%
% AA/AS Degree	4%	2%	3%	3%	3%
% BA/BS or Higher Degree	6%	7%	7%	7%	7%



Student Performance: Grade Distribution

Biological Sciences (BIO)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Total Course Enrollments	1,022	1,019	1,087	990	850
Course Success Rates	68%	75%	77%	73%	75%
A	25%	29%	39%	31%	33%
B	26%	27%	25%	26%	27%
C	17%	19%	10%	15%	15%
P	<1%	<1%	3%	<1%	0%
Course Non-Success Rate	15%	13%	4%	9%	11%
D	7%	6%	3%	4%	5%
F*	8%	7%	2%	6%	6%
Withdrawals (See Note)	17%	12%	18%	18%	14%



Definitions:

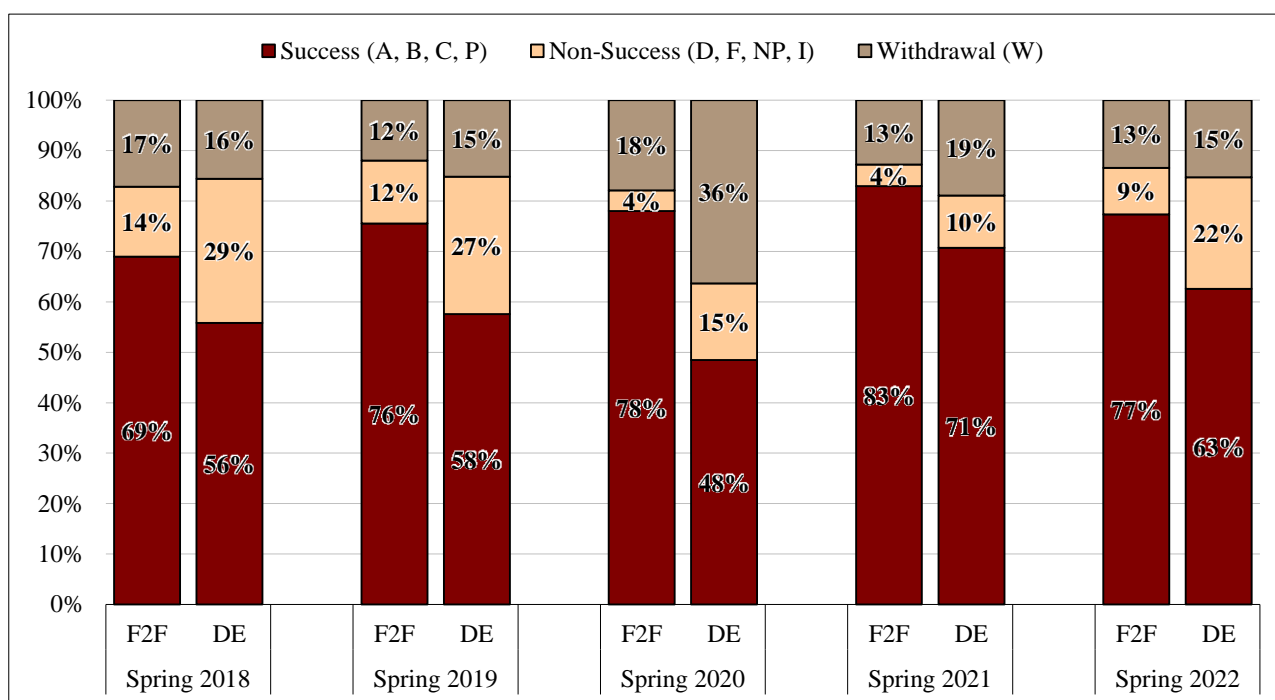
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

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				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Total Course Enrollments	1,022	1,019	1,087	990	850
Face-to-Face (F2F) Sections	945	952	1,013	141	684
Success Rates	69%	76%	78%	83%	77%
Non-Success Rates	14%	12%	4%	4%	9%
Withdrawals	17%	12%	18%	13%	13%
Distance Education (DE) Sections	77	67	74	849	166
Success Rates	56%	58%	48%	71%	63%
Non-Success Rates	29%	27%	15%	10%	22%
Withdrawals	16%	15%	36%	19%	15%



Definitions:

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

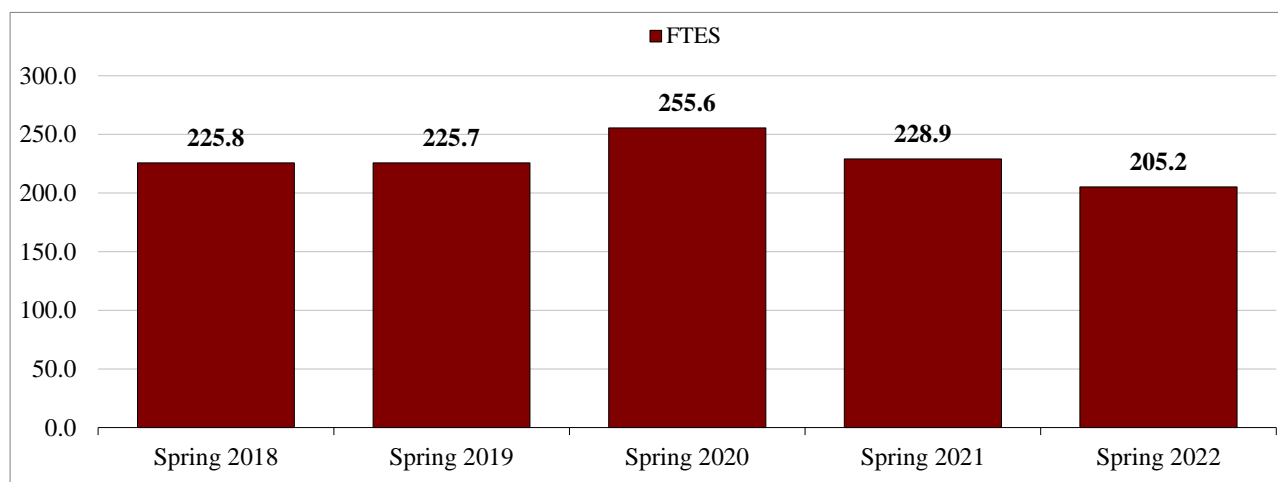
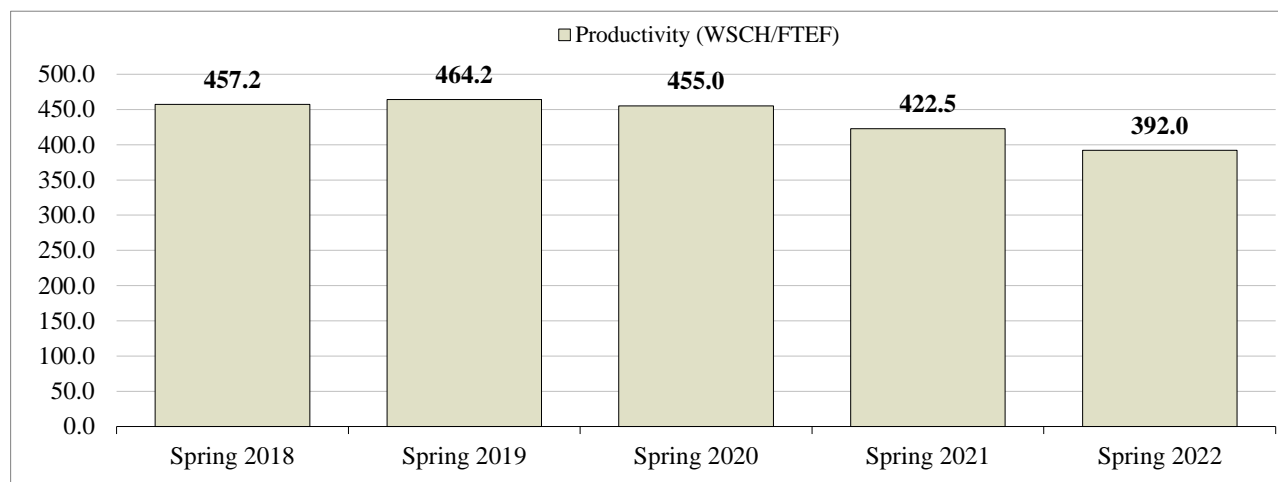
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

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				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
WSCH	6,849	6,875	7,817	6,938	6,245
FTES	225.8	225.7	255.6	228.9	205.2
FTEF	15.0	14.8	17.2	16.4	15.9
Productivity (WSCH/FTEF)	457.2	464.2	455.0	422.5	392.0



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.

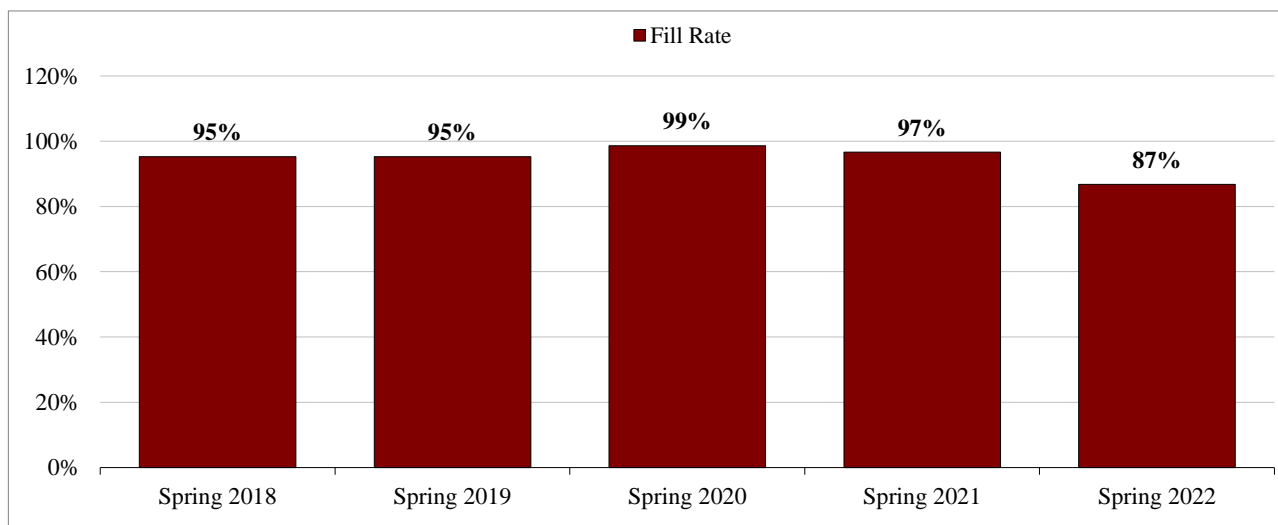
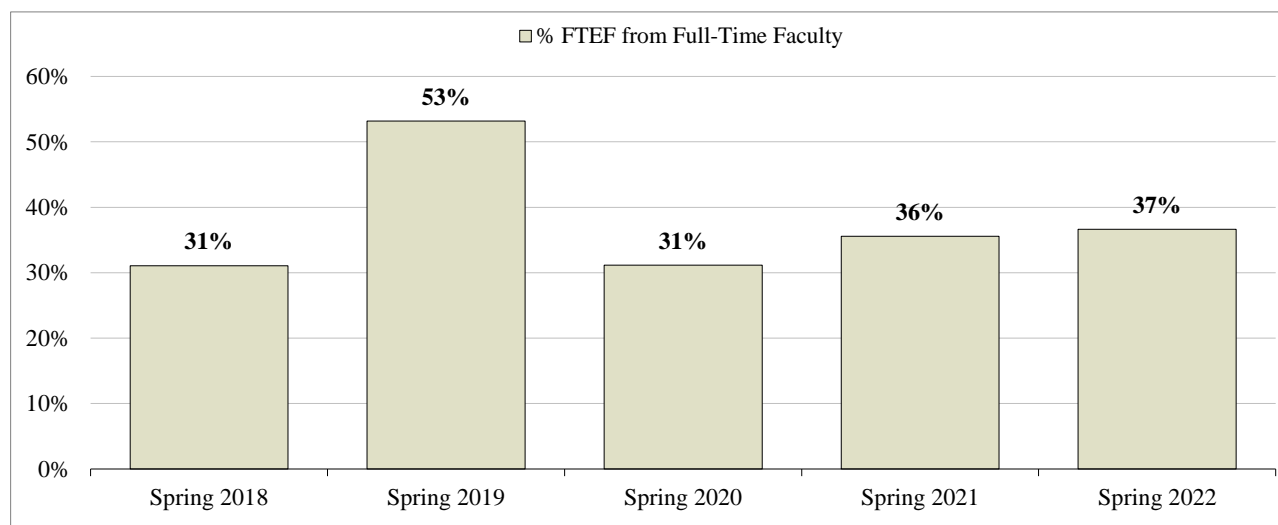
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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

Note: Enrollment Management data are of all courses accounted except NTUT / TUTR 200; latest data accessed on 7/20/21.

Enrollment Management: Part 2

Biological Sciences (BIO)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
FTEF from Full-Time Faculty	4.7	7.9	5.4	5.8	5.8
% FTEF from Full-Time Faculty	31%	53%	31%	36%	37%
Enrollments	1,022	1,019	1,087	990	850
Capacity (seats available)	1,073	1,070	1,102	1,024	980
Fill Rate	95%	95%	99%	97%	87%



Definitions:

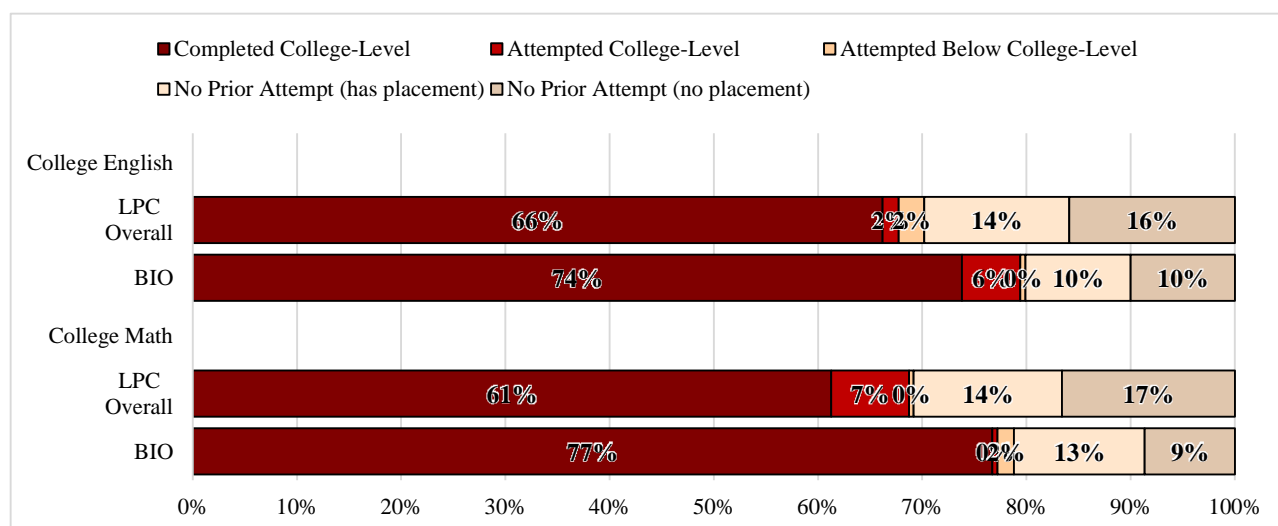
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 / TUTOR 200; latest data accessed on 7/20/21.

Prior Experience in English & Math

	Spring 2022			
	BIO		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	606	74%	4,022	61%
Attempted College-level	46	6%	490	7%
Attempted Below College-level	4	<1%	30	0%
No Prior Attempt (has placement)	83	10%	934	14%
No Prior Attempt (no placement)	82	10%	1,089	17%
College Math				
Completed College-level	630	77%	4,345	66%
Attempted College-level	4	<1%	103	2%
Attempted Below College-level	13	2%	160	2%
No Prior Attempt (has placement)	103	13%	914	14%
No Prior Attempt (no placement)	71	9%	1,043	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.