



Las Positas College

Discipline Program Review Data Packet

Fall 2016 to Fall 2020

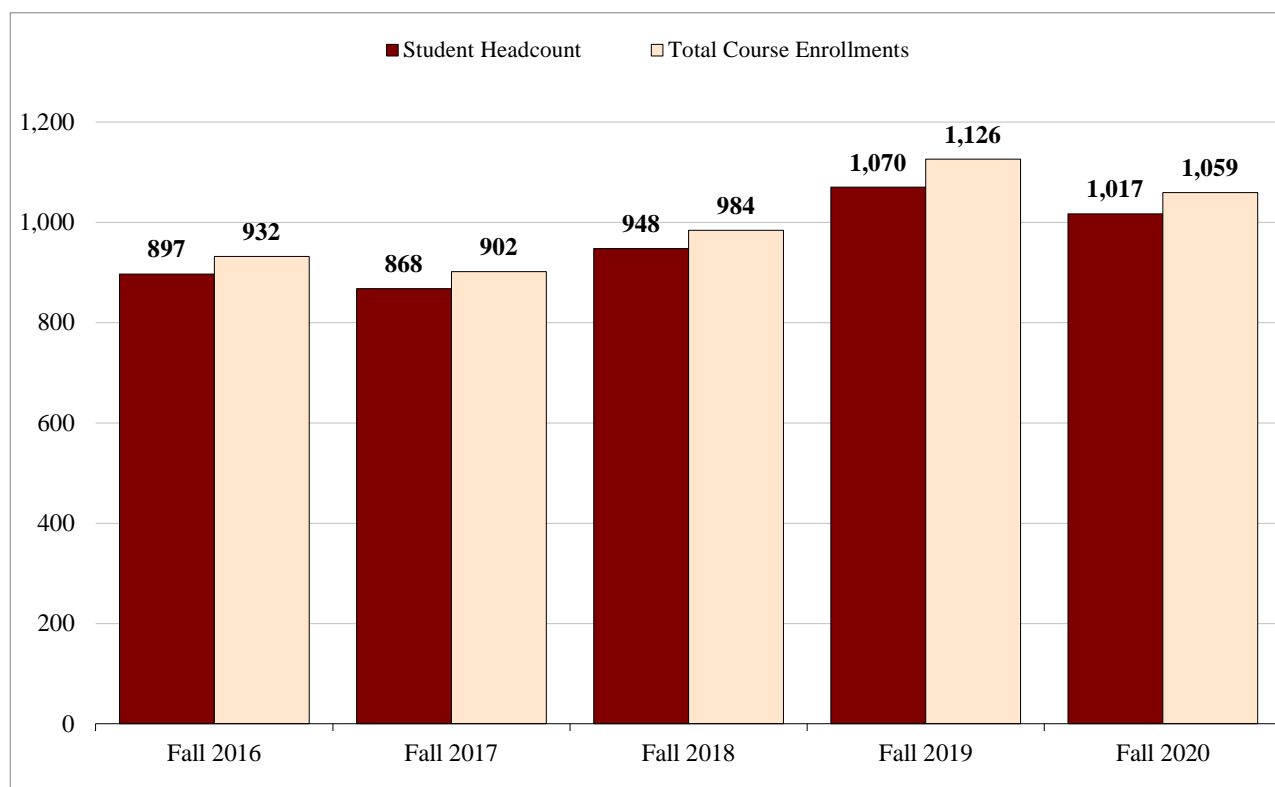
Discipline:

Biological Sciences (BIO)

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Headcount & Enrollment

Biological Sciences (BIO)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Student Headcount	897	868	948	1,070	1,017
Total Course Enrollments	932	902	984	1,126	1,059



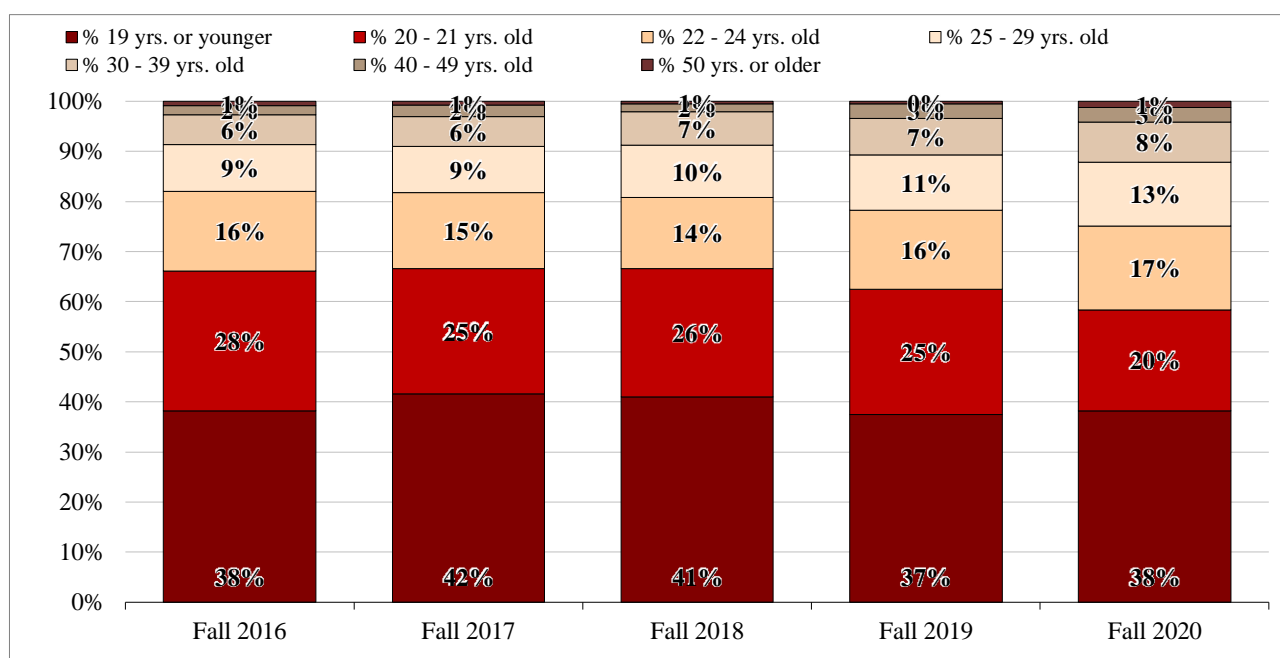
Definitions:

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.

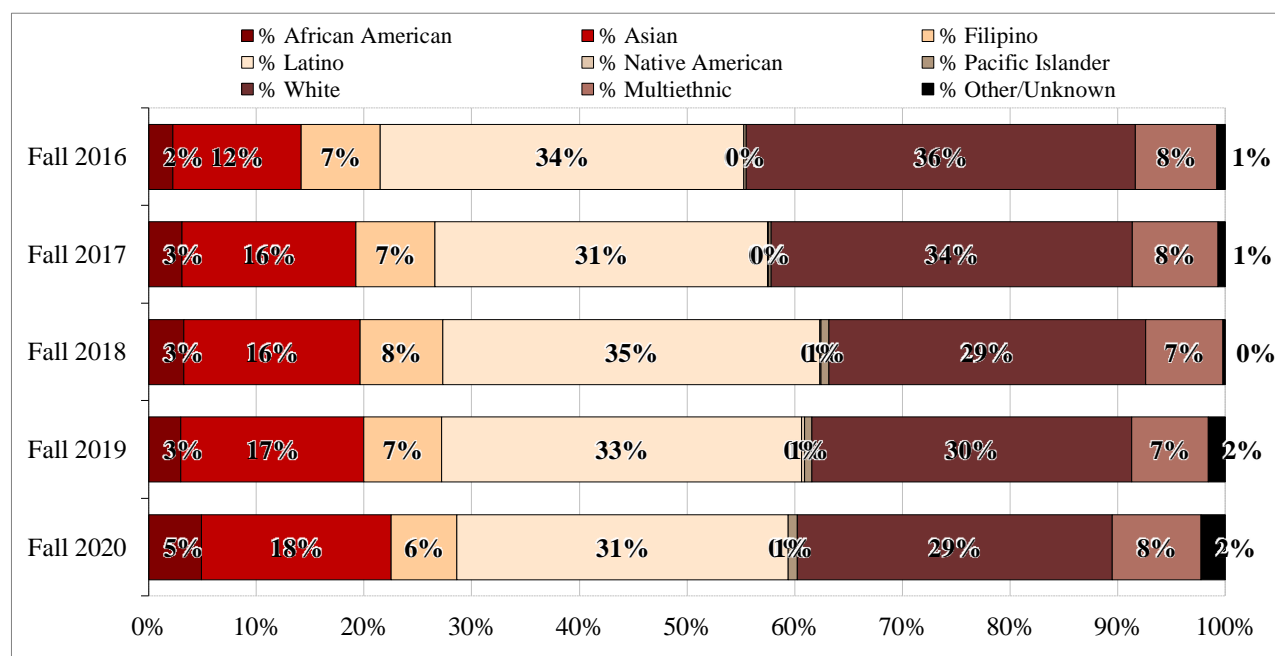
Student Demographics: Gender & Age

Biological Sciences (BIO)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Female	517	535	597	665	681
Male	373	321	333	387	321
19 yrs. or younger	343	361	389	401	389
20-21 yrs. old	250	217	242	268	205
22-24 yrs. old	143	132	135	168	170
25-29 yrs. old	83	80	99	118	129
30-39 yrs. old	54	52	63	79	82
40-49 yrs. old	16	19	15	31	29
50 yrs. or older	8	7	5	5	13
% Female	58%	63%	64%	63%	68%
% Male	42%	38%	36%	37%	32%
% 19 yrs. or younger	38%	42%	41%	37%	38%
% 20 - 21 yrs. old	28%	25%	26%	25%	20%
% 22 - 24 yrs. old	16%	15%	14%	16%	17%
% 25 - 29 yrs. old	9%	9%	10%	11%	13%
% 30 - 39 yrs. old	6%	6%	7%	7%	8%
% 40 - 49 yrs. old	2%	2%	2%	3%	3%
% 50 yrs. or older	1%	1%	1%	<1%	1%



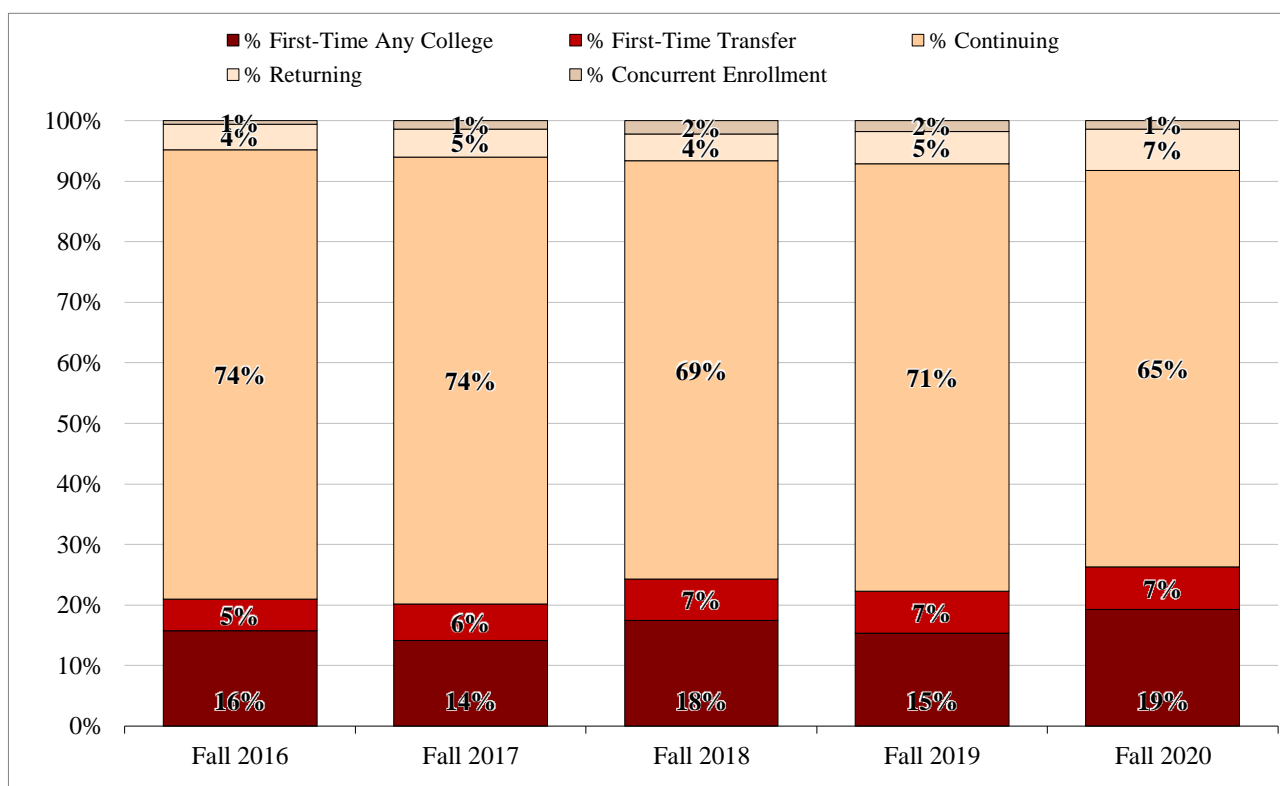
Student Demographic: Race-Ethnicity

Biological Sciences (BIO)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
African American	20	27	31	32	50
Asian	107	140	155	182	179
Filipino	66	64	73	77	62
Latino	303	268	332	358	313
Native American	0	1	1	3	0
Pacific Islander	2	2	7	7	9
White	324	291	279	318	297
Multiethnic	68	69	68	76	84
Other/Unknown	7	6	2	17	23
% African American	2%	3%	3%	3%	5%
% Asian	12%	16%	16%	17%	18%
% Filipino	7%	7%	8%	7%	6%
% Latino	34%	31%	35%	33%	31%
% Native American	0%	<1%	<1%	<1%	0%
% Pacific Islander	<1%	<1%	1%	1%	1%
% White	36%	34%	29%	30%	29%
% Multiethnic	8%	8%	7%	7%	8%
% Other/Unknown	1%	1%	<1%	2%	2%



Student Enrollment Status

Biological Sciences (BIO)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
First-Time Any College	141	123	166	164	196
First-Time Transfer	47	52	64	74	71
Continuing	666	641	655	756	666
Returning	38	40	42	57	70
Concurrent Enrollment	5	12	21	19	14
% First-Time Any College	16%	14%	18%	15%	19%
% First-Time Transfer	5%	6%	7%	7%	7%
% Continuing	74%	74%	69%	71%	65%
% Returning	4%	5%	4%	5%	7%
% Concurrent Enrollment	1%	1%	2%	2%	1%



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.

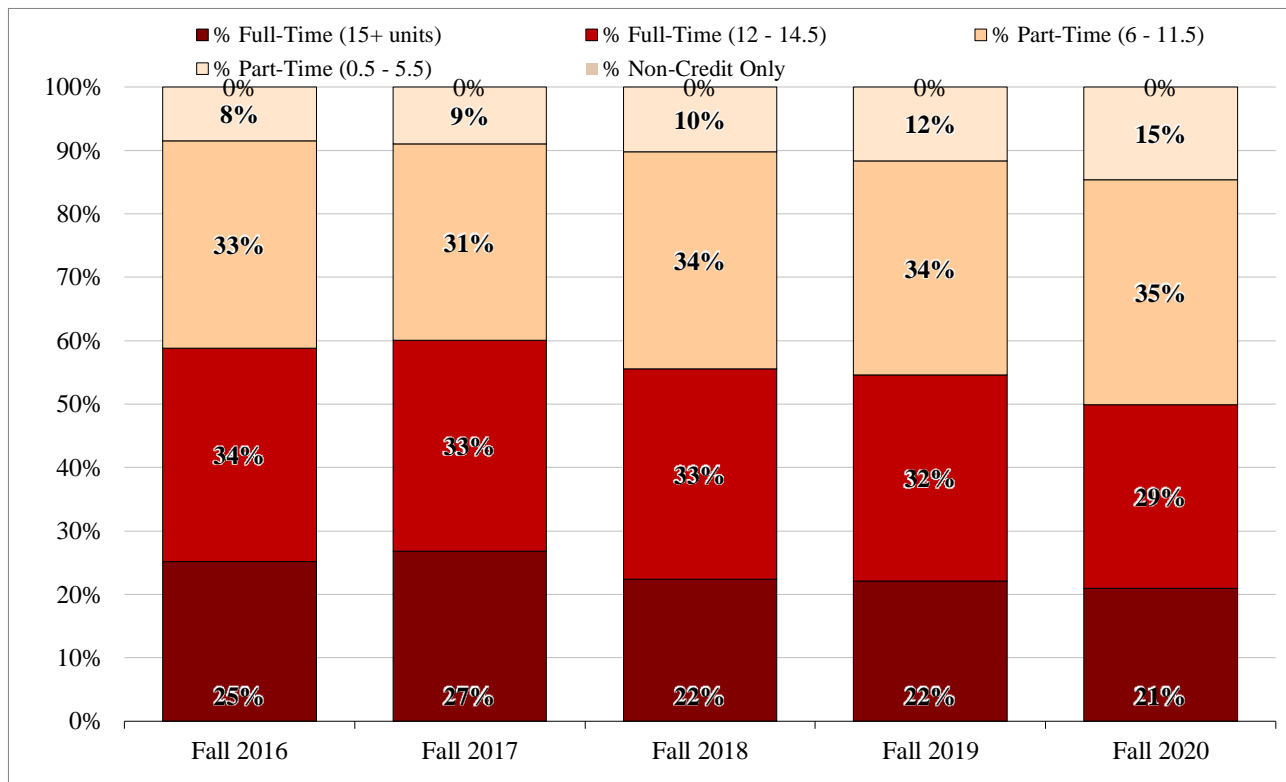
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

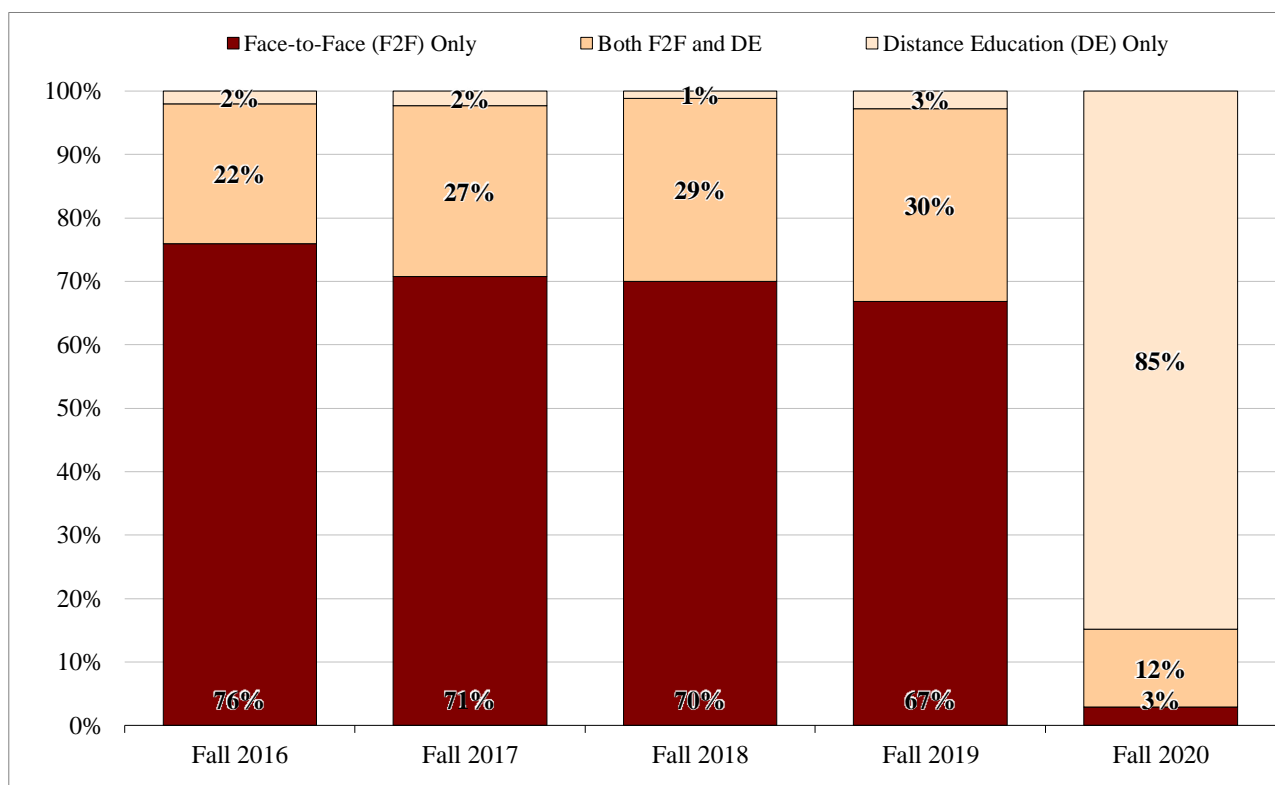
Student Unit Load

Biological Sciences (BIO)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Full-Time (15+ units)	226	233	212	237	213
Full-Time (12 - 14.5)	302	288	315	347	295
Part-Time (6 - 11.5)	293	269	324	361	360
Part-Time (0.5 - 5.5)	76	78	97	125	149
Non-Credit Only	0	0	0	0	0
% Full-Time (15+ units)	25%	27%	22%	22%	21%
% Full-Time (12 - 14.5)	34%	33%	33%	32%	29%
% Part-Time (6 - 11.5)	33%	31%	34%	34%	35%
% Part-Time (0.5 - 5.5)	8%	9%	10%	12%	15%
% Non-Credit Only	0%	0%	0%	0%	0%



Students Using Distance Education

Biological Sciences (BIO)					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Face-to-Face (F2F) Only	681	614	664	715	29
Both F2F and DE	198	234	273	325	125
Distance Education (DE) Only	18	20	11	30	863
% Face-to-Face (F2F) Only	76%	71%	70%	67%	3%
% Both F2F and DE	22%	27%	29%	30%	12%
% Distance Education (DE) Only	2%	2%	1%	3%	85%

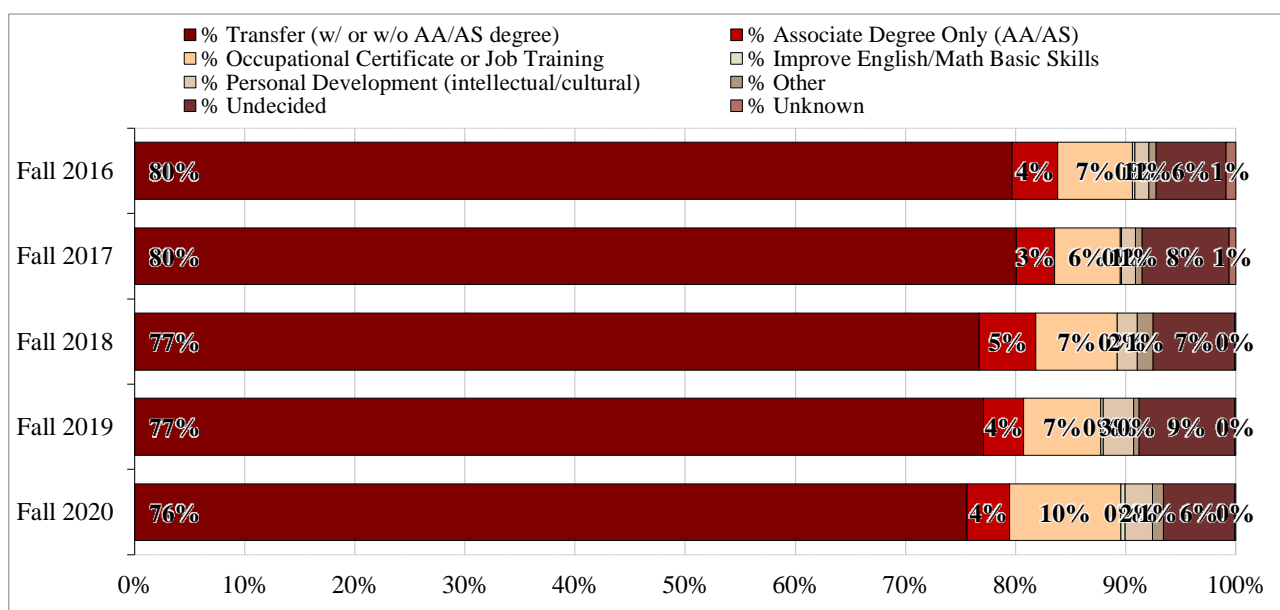


Definitions:

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.

Student Educational Goal

Biological Sciences (BIO)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Transfer (w/ or w/o AA/AS degree)	715	695	727	825	769
Associate Degree Only (AA/AS)	37	30	49	39	39
Occupational Certificate or Job Training	61	52	70	75	103
Improve English/Math Basic Skills	2	1	0	2	4
Personal Development (intellectual/cultural)	11	11	17	30	25
Other	6	5	14	5	10
Undecided	57	69	70	93	66
Unknown	8	5	1	1	1
% Transfer (w/ or w/o AA/AS degree)	80%	80%	77%	77%	76%
% Associate Degree Only (AA/AS)	4%	3%	5%	4%	4%
% Occupational Certificate or Job Training	7%	6%	7%	7%	10%
% Improve English/Math Basic Skills	<1%	<1%	0%	<1%	<1%
% Personal Development (intellectual/cultural)	1%	1%	2%	3%	2%
% Other	1%	1%	1%	<1%	1%
% Undecided	6%	8%	7%	9%	6%
% 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.

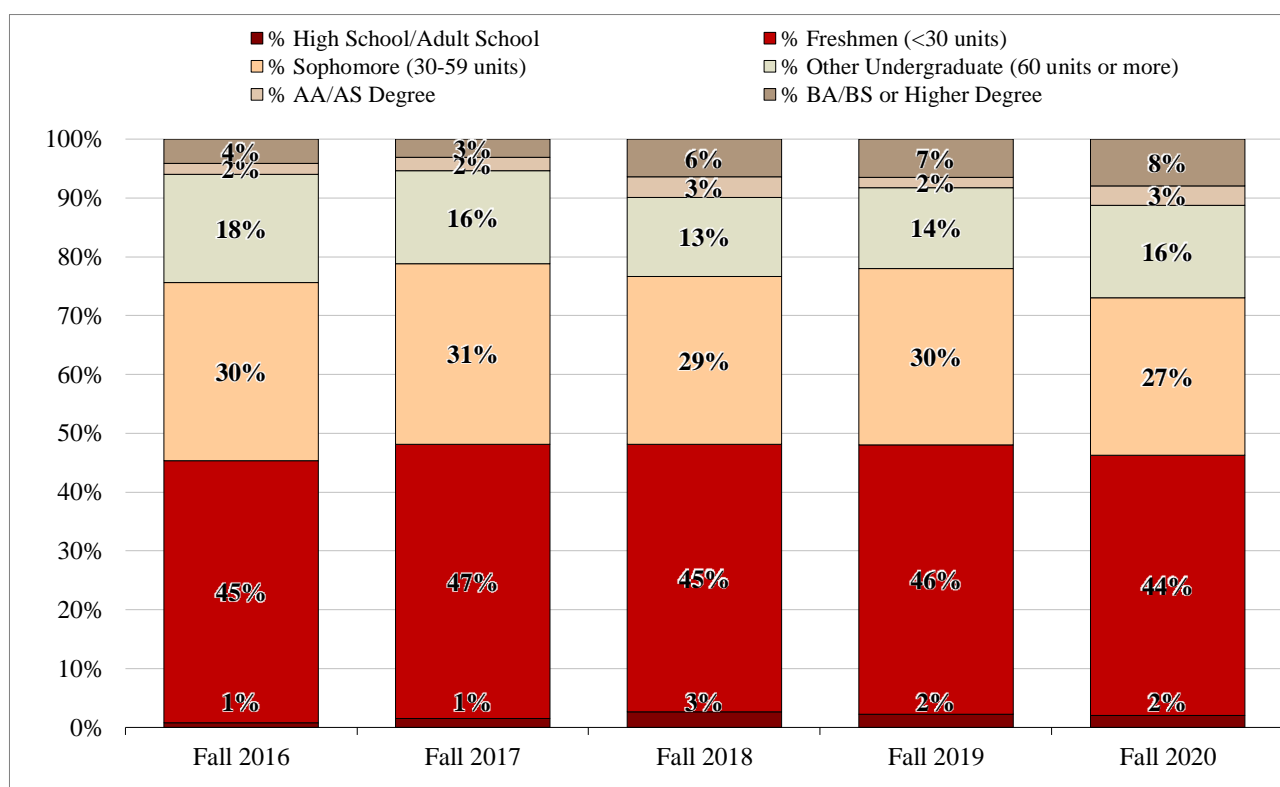
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

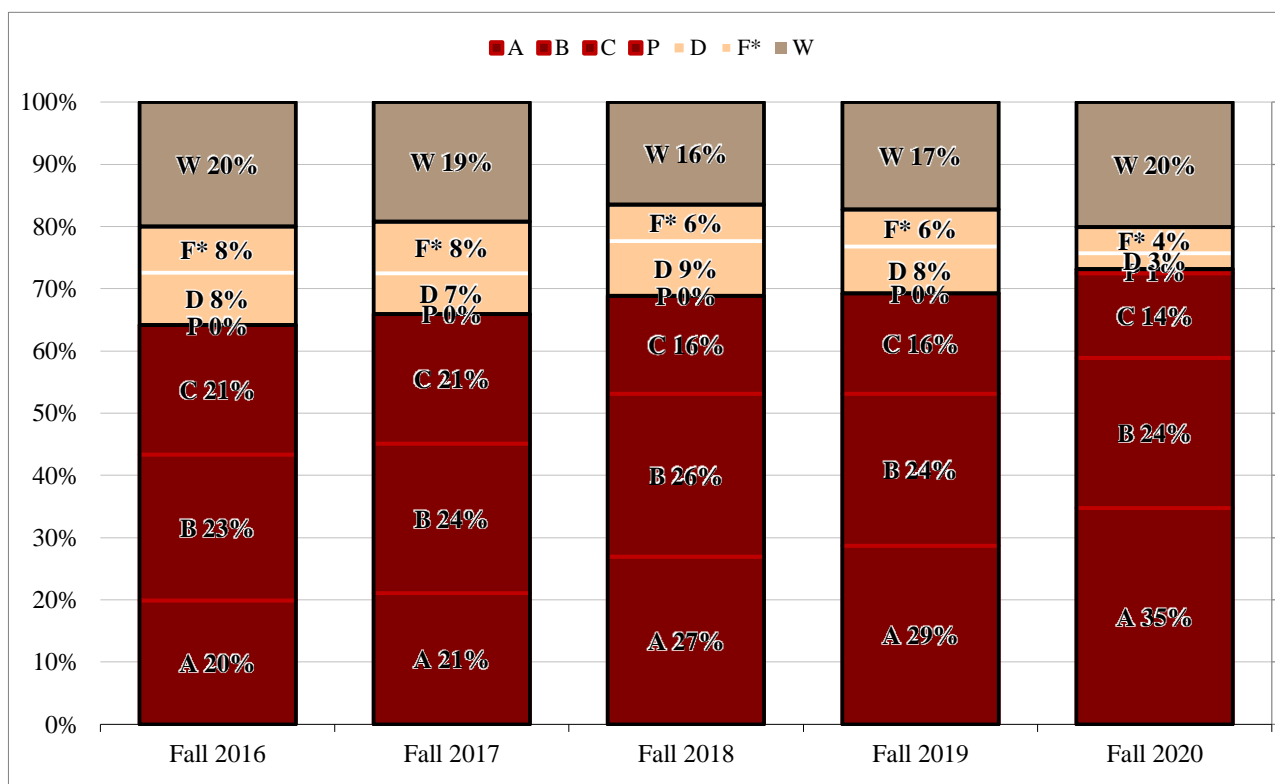
Highest Educational Level of Students

Biological Sciences (BIO)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
High School/Adult School	7	13	25	24	21
Freshmen (<30 units)	400	405	431	490	449
Sophomore (30-59 units)	271	266	271	321	273
Other Undergraduate (60 units or more)	165	137	127	147	160
AA/AS Degree	17	20	33	18	33
BA/BS or Higher Degree	37	27	61	70	81
% High School/Adult School	1%	1%	3%	2%	2%
% Freshmen (<30 units)	45%	47%	45%	46%	44%
% Sophomore (30-59 units)	30%	31%	29%	30%	27%
% Other Undergraduate (60 units or more)	18%	16%	13%	14%	16%
% AA/AS Degree	2%	2%	3%	2%	3%
% BA/BS or Higher Degree	4%	3%	6%	7%	8%



Student Performance: Grade Distribution

Biological Sciences (BIO)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Total Course Enrollments	932	902	984	1,126	1,059
Course Success Rates	64%	66%	69%	69%	73%
A	20%	21%	27%	29%	35%
B	23%	24%	26%	24%	24%
C	21%	21%	16%	16%	14%
P	0%	0%	0%	0%	1%
Course Non-Success Rate	16%	15%	15%	13%	7%
D	8%	7%	9%	8%	3%
F*	8%	8%	6%	6%	4%
Withdrawals (See Note)	20%	19%	16%	17%	20%



Definitions:

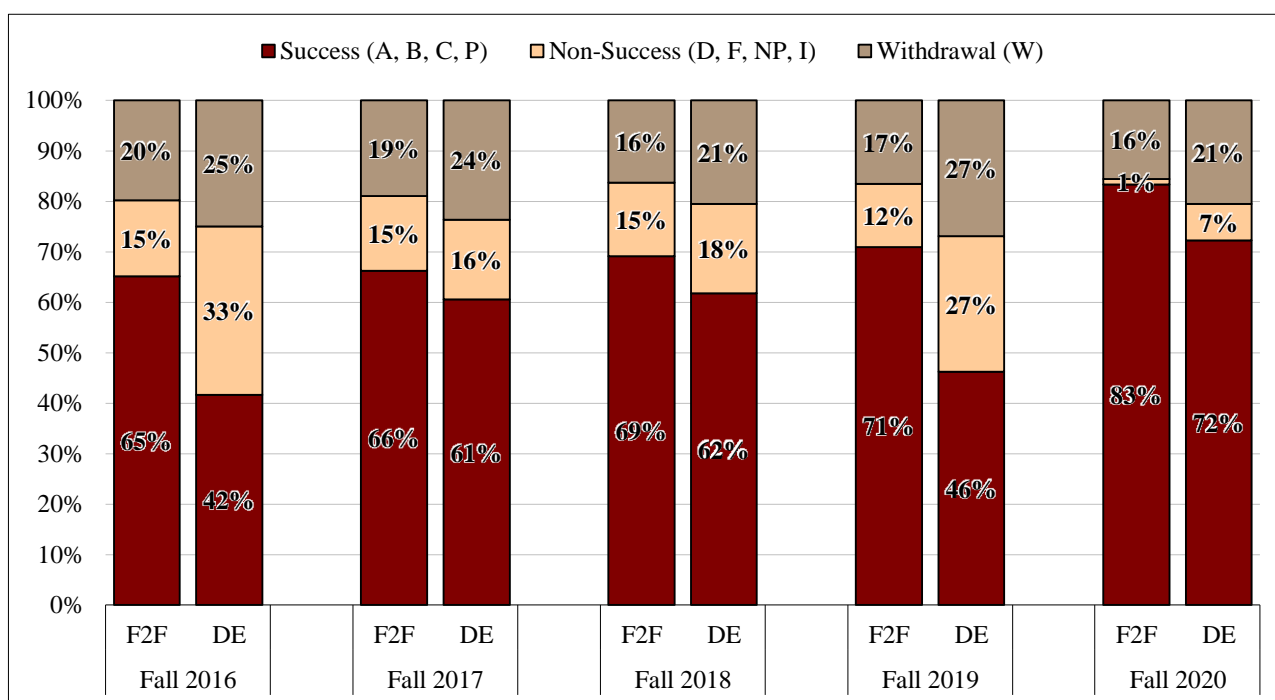
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

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 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Total Course Enrollments	932	902	984	1,126	1,059
Face-to-Face (F2F) Sections	896	864	950	1048	90
Success Rates	65%	66%	69%	71%	83%
Non-Success Rates	15%	15%	15%	12%	1%
Withdrawals	20%	19%	16%	17%	16%
Distance Education (DE) Sections	36	38	34	78	969
Success Rates	42%	61%	62%	46%	72%
Non-Success Rates	33%	16%	18%	27%	7%
Withdrawals	25%	24%	21%	27%	21%



Definitions:

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

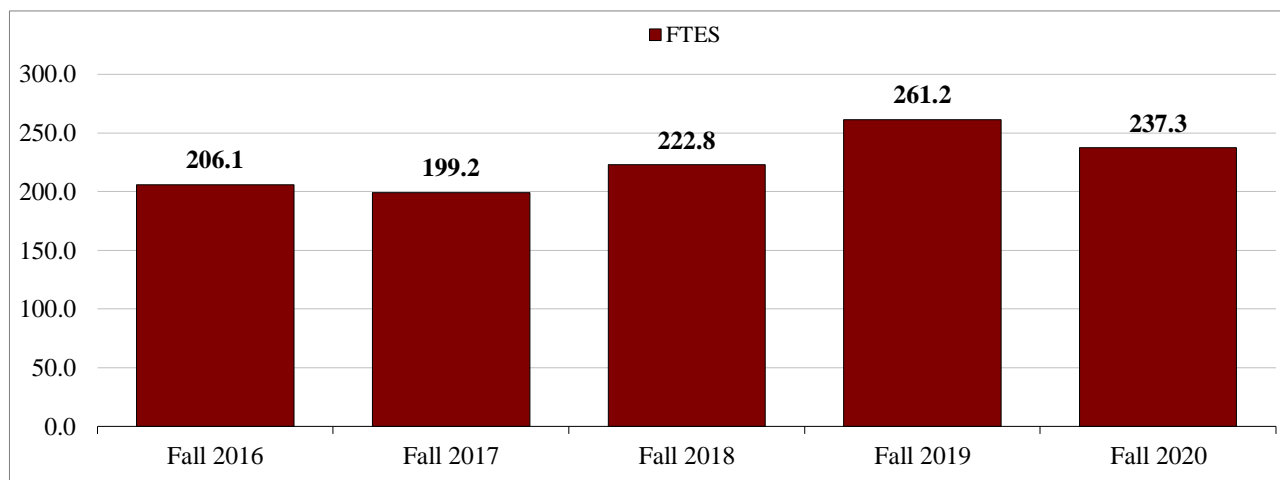
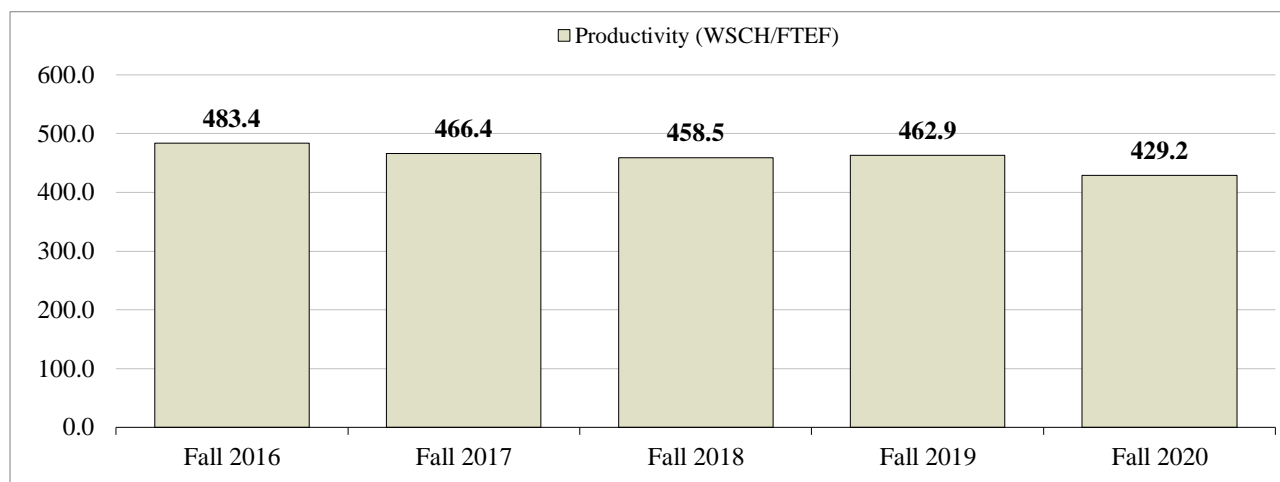
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

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 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
WSCH	6,299	6,077	6,791	7,908	7,247
FTES	206.1	199.2	222.8	261.2	237.3
FTEF	13.0	13.0	14.8	17.1	16.9
Productivity (WSCH/FTEF)	483.4	466.4	458.5	462.9	429.2



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.

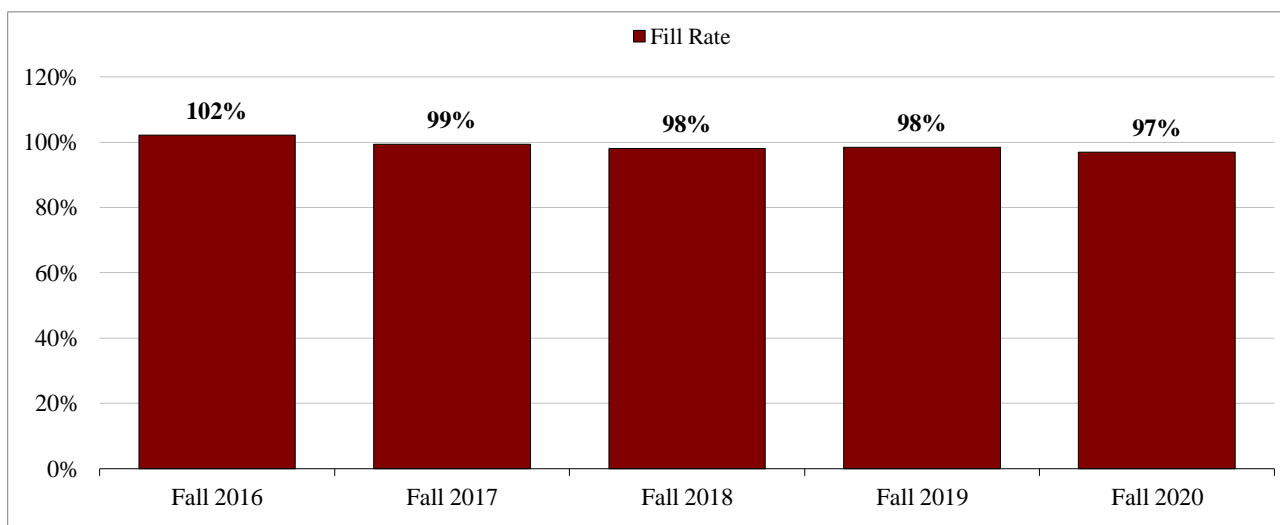
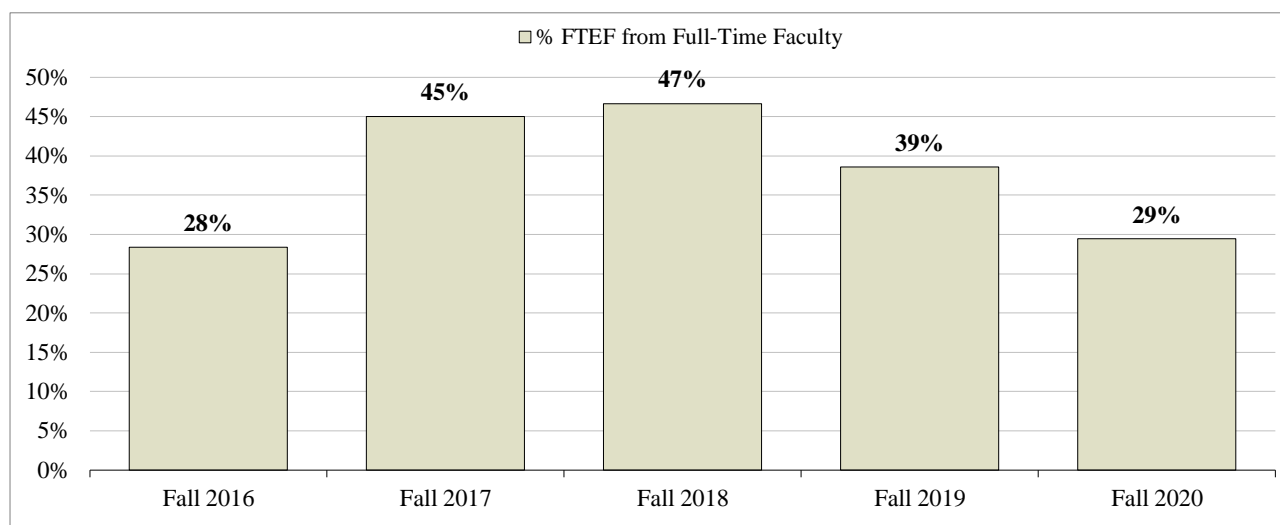
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
FTEF from Full-Time Faculty	3.7	5.9	6.9	6.6	5.0
% FTEF from Full-Time Faculty	28%	45%	47%	39%	29%
Enrollments	932	902	984	1,126	1,059
Capacity (seats available)	912	908	1,003	1,144	1,092
Fill Rate	102%	99%	98%	98%	97%



Definitions:

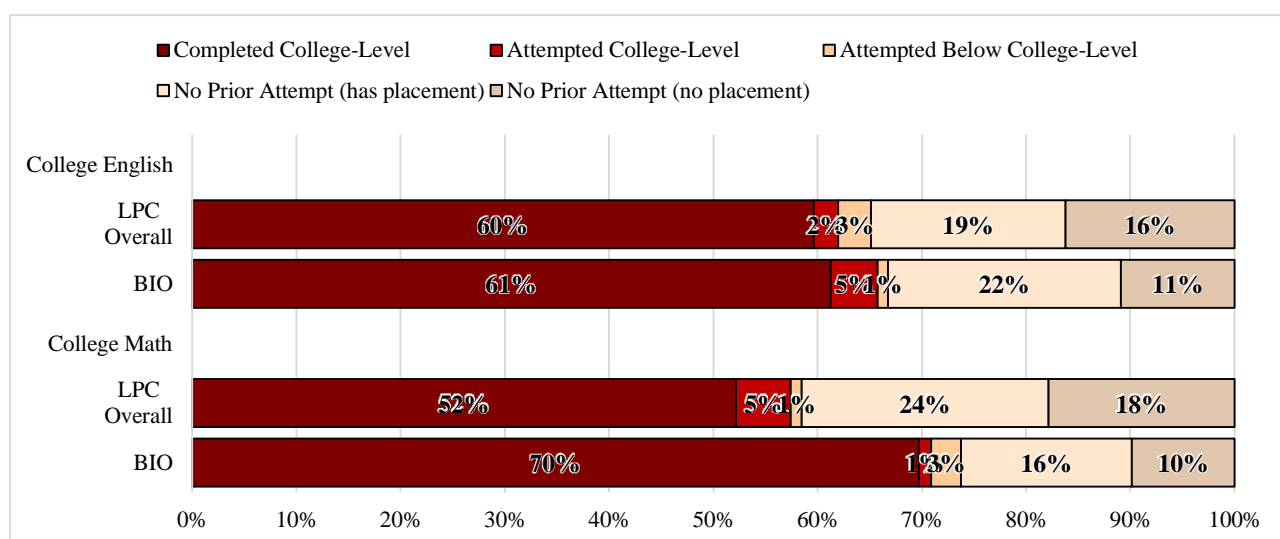
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 2020				
	BIO		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	623	61%	4,353	52%
Attempted College-level	46	5%	438	5%
Attempted Below College-level	10	1%	86	1%
No Prior Attempt (has placement)	227	22%	1,974	24%
No Prior Attempt (no placement)	111	11%	1,489	18%
College Math				
Completed College-level	709	70%	4,972	60%
Attempted College-level	12	1%	199	2%
Attempted Below College-level	29	3%	261	3%
No Prior Attempt (has placement)	167	16%	1,555	19%
No Prior Attempt (no placement)	100	10%	1,353	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.