



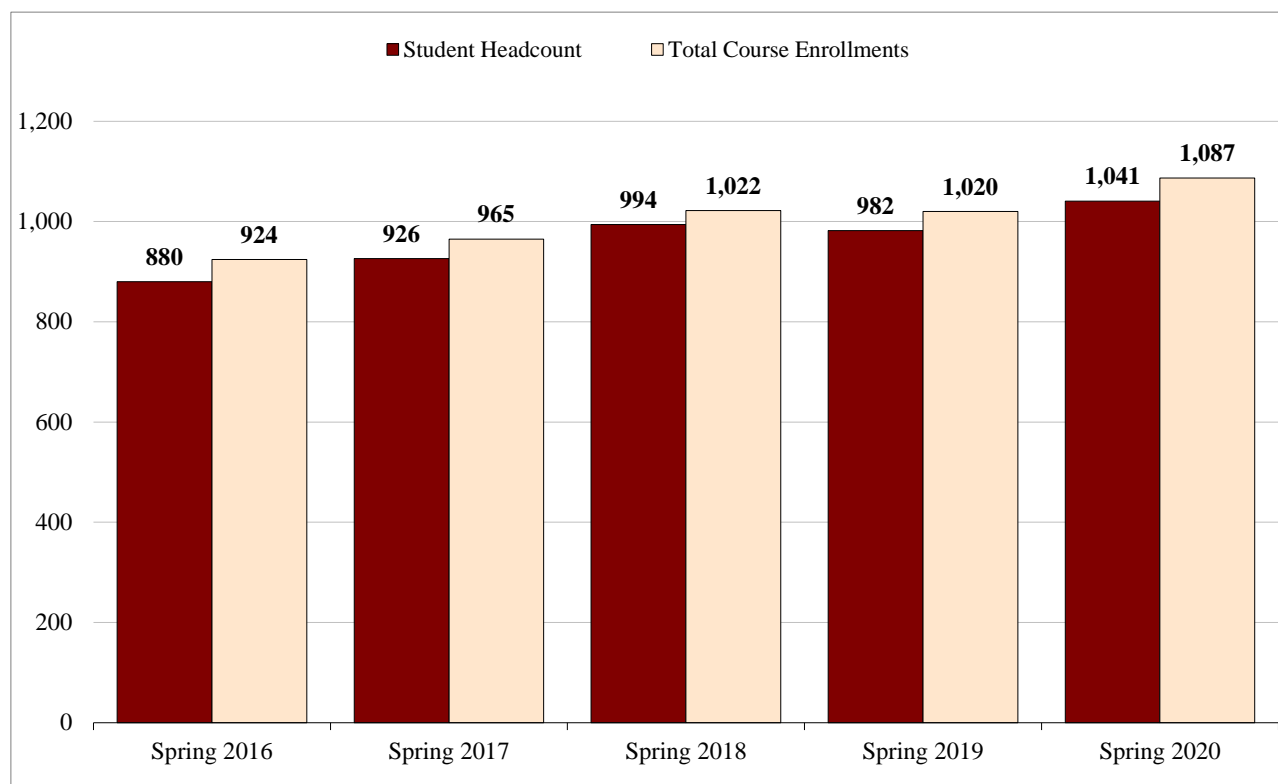
Las Positas College
Program Review Discipline Data Packet
Spring 2016 to Spring 2020

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				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Student Headcount	880	926	994	982	1,041
Total Course Enrollments	924	965	1,022	1,020	1,087



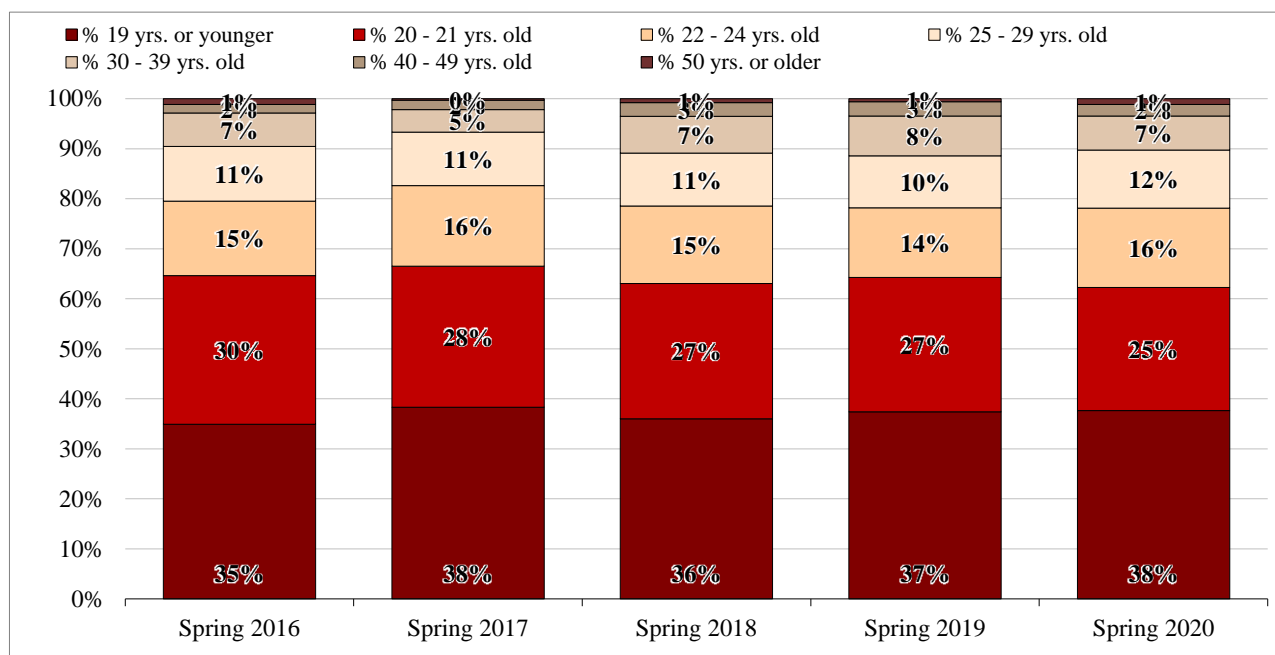
Definitions:

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.

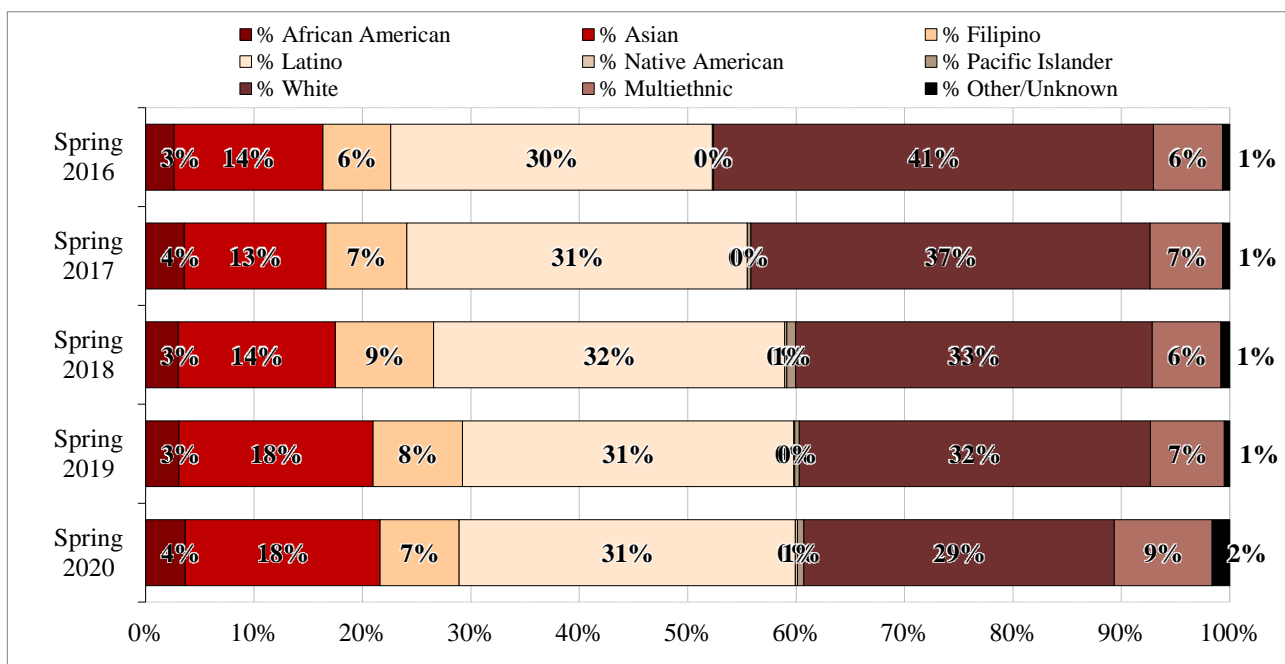
Student Demographics: Gender & Age

Biological Sciences (BIO)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Female	519	566	607	635	664
Male	351	347	374	336	359
19 yrs. or younger	307	355	358	367	392
20-21 yrs. old	262	261	269	264	256
22-24 yrs. old	131	149	154	137	165
25-29 yrs. old	96	99	105	102	121
30-39 yrs. old	59	42	73	78	71
40-49 yrs. old	15	17	27	28	24
50 yrs. or older	10	3	8	6	12
% Female	60%	62%	62%	65%	65%
% Male	40%	38%	38%	35%	35%
% 19 yrs. or younger	35%	38%	36%	37%	38%
% 20 - 21 yrs. old	30%	28%	27%	27%	25%
% 22 - 24 yrs. old	15%	16%	15%	14%	16%
% 25 - 29 yrs. old	11%	11%	11%	10%	12%
% 30 - 39 yrs. old	7%	5%	7%	8%	7%
% 40 - 49 yrs. old	2%	2%	3%	3%	2%
% 50 yrs. or older	1%	<1%	1%	1%	1%



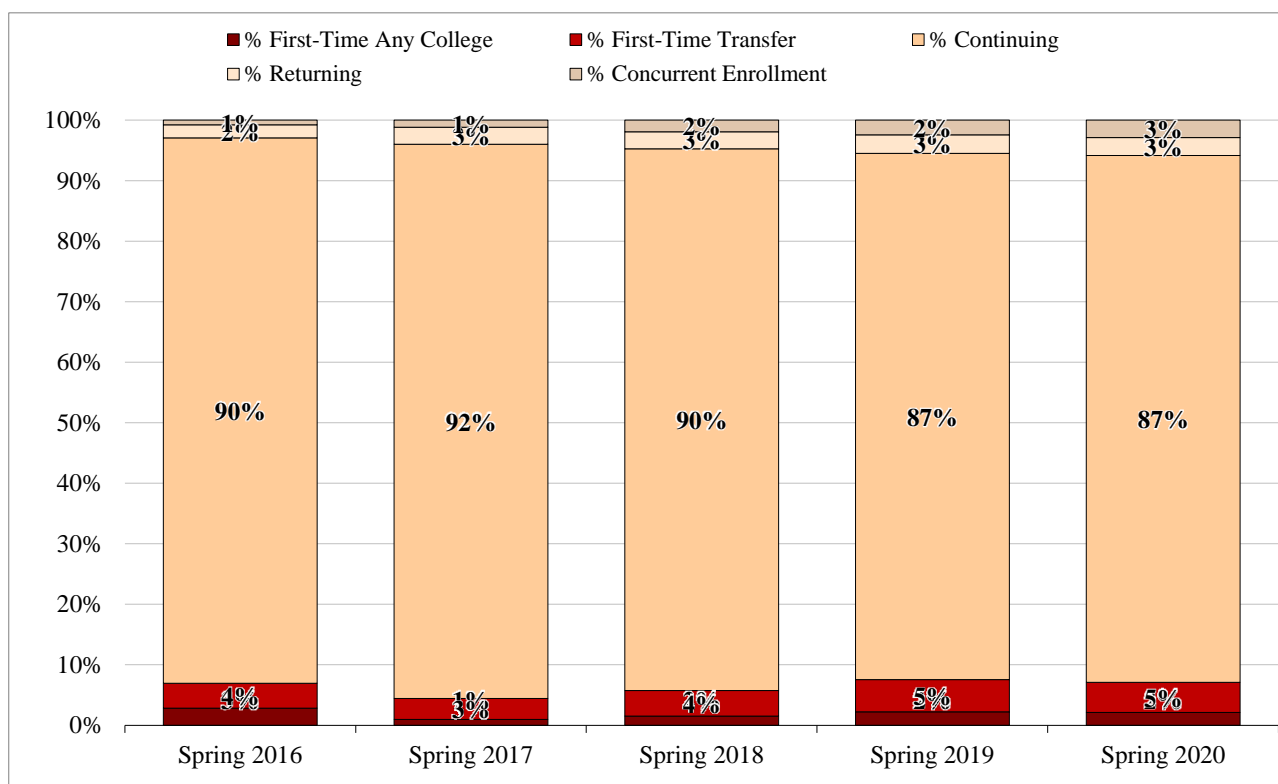
Student Demographic: Race-Ethnicity

Biological Sciences (BIO)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
African American	23	33	30	30	38
Asian	121	121	144	176	187
Filipino	55	69	90	81	76
Latino	261	291	322	300	323
Native American	1	0	2	1	2
Pacific Islander	0	3	8	4	6
White	357	341	327	318	298
Multiethnic	56	62	63	67	94
Other/Unknown	6	6	8	5	17
% African American	3%	4%	3%	3%	4%
% Asian	14%	13%	14%	18%	18%
% Filipino	6%	7%	9%	8%	7%
% Latino	30%	31%	32%	31%	31%
% Native American	<1%	0%	<1%	<1%	<1%
% Pacific Islander	0%	<1%	1%	<1%	1%
% White	41%	37%	33%	32%	29%
% Multiethnic	6%	7%	6%	7%	9%
% Other/Unknown	1%	1%	1%	1%	2%



Student Enrollment Status

Biological Sciences (BIO)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
First-Time Any College	25	9	15	22	22
First-Time Transfer	36	32	42	52	52
Continuing	793	847	890	854	906
Returning	19	26	28	30	31
Concurrent Enrollment	7	11	19	24	30
% First-Time Any College	3%	1%	2%	2%	2%
% First-Time Transfer	4%	3%	4%	5%	5%
% Continuing	90%	92%	90%	87%	87%
% Returning	2%	3%	3%	3%	3%
% Concurrent Enrollment	1%	1%	2%	2%	3%



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.

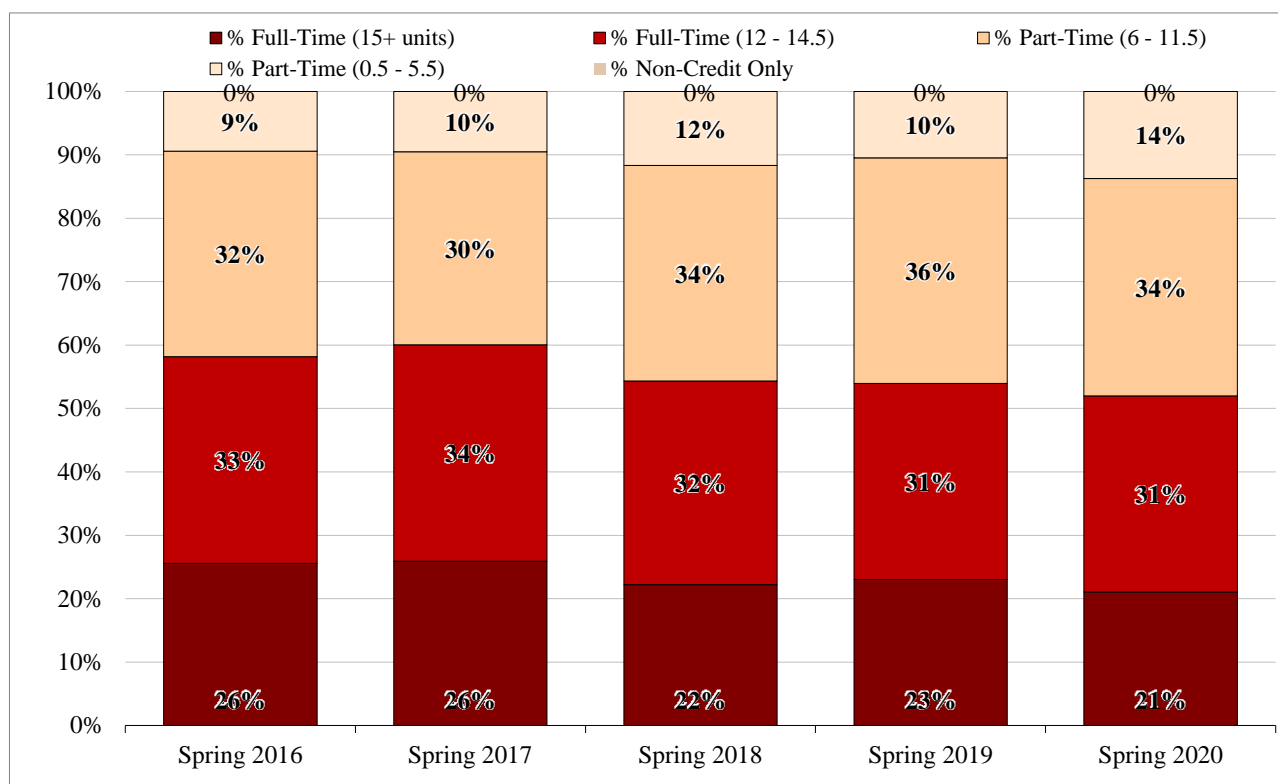
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

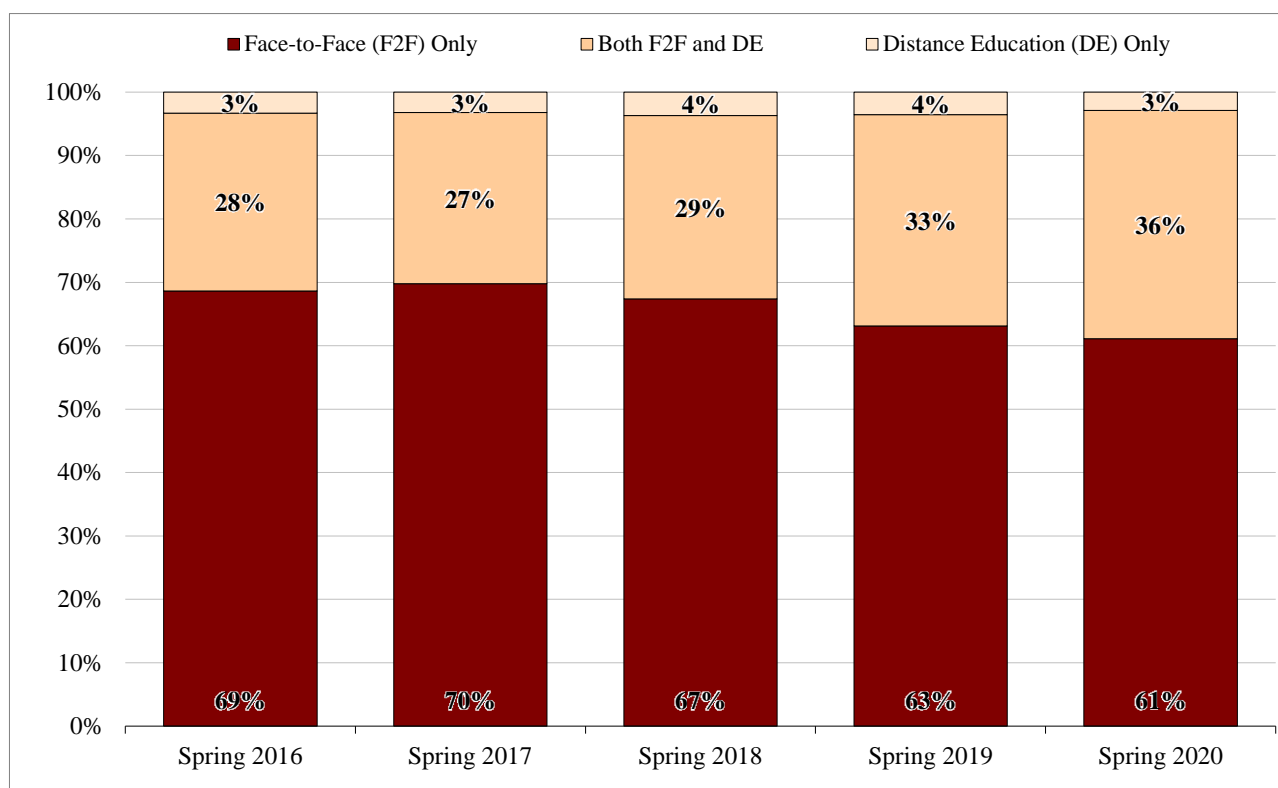
Student Unit Load

Biological Sciences (BIO)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Full-Time (15+ units)	225	240	221	226	219
Full-Time (12 - 14.5)	287	316	319	304	322
Part-Time (6 - 11.5)	285	282	338	349	357
Part-Time (0.5 - 5.5)	83	88	116	103	143
Non-Credit Only	—	—	—	—	—
% Full-Time (15+ units)	26%	26%	22%	23%	21%
% Full-Time (12 - 14.5)	33%	34%	32%	31%	31%
% Part-Time (6 - 11.5)	32%	30%	34%	36%	34%
% Part-Time (0.5 - 5.5)	9%	10%	12%	10%	14%
% Non-Credit Only	—	—	—	—	—



Students Using Distance Education

Biological Sciences (BIO)					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Face-to-Face (F2F) Only	604	646	670	620	636
Both F2F and DE	247	250	287	327	375
Distance Education (DE) Only	29	30	37	35	30
% Face-to-Face (F2F) Only	69%	70%	67%	63%	61%
% Both F2F and DE	28%	27%	29%	33%	36%
% Distance Education (DE) Only	3%	3%	4%	4%	3%

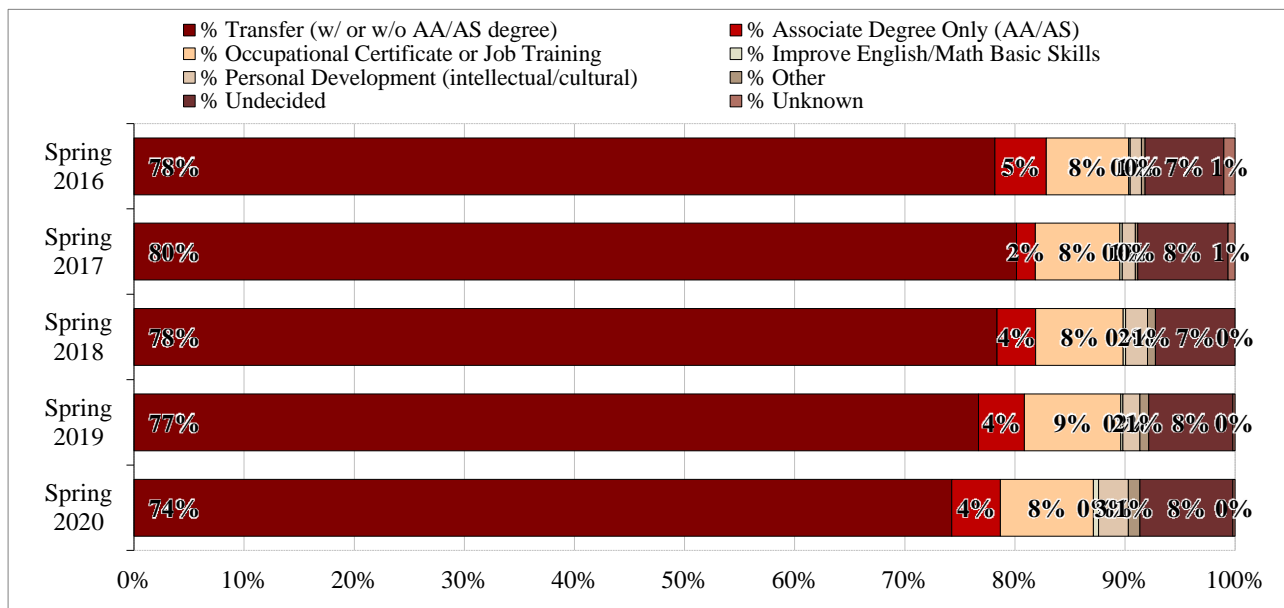


Definitions:

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

Student Educational Goal

Biological Sciences (BIO)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Transfer (w/ or w/o AA/AS degree)	688	742	779	753	773
Associate Degree Only (AA/AS)	41	16	35	41	46
Occupational Certificate or Job Training	66	71	79	86	88
Improve English/Math Basic Skills	1	2	2	2	5
Personal Development (intellectual/cultural)	9	11	20	15	28
Other	3	2	7	8	11
Undecided	63	76	72	75	88
Unknown	9	6	0	2	2
% Transfer (w/ or w/o AA/AS degree)	78%	80%	78%	77%	74%
% Associate Degree Only (AA/AS)	5%	2%	4%	4%	4%
% Occupational Certificate or Job Training	8%	8%	8%	9%	8%
% Improve English/Math Basic Skills	<1%	<1%	<1%	<1%	<1%
% Personal Development (intellectual/cultural)	1%	1%	2%	2%	3%
% Other	<1%	<1%	1%	1%	1%
% Undecided	7%	8%	7%	8%	8%
% Unknown	1%	1%	0%	<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.

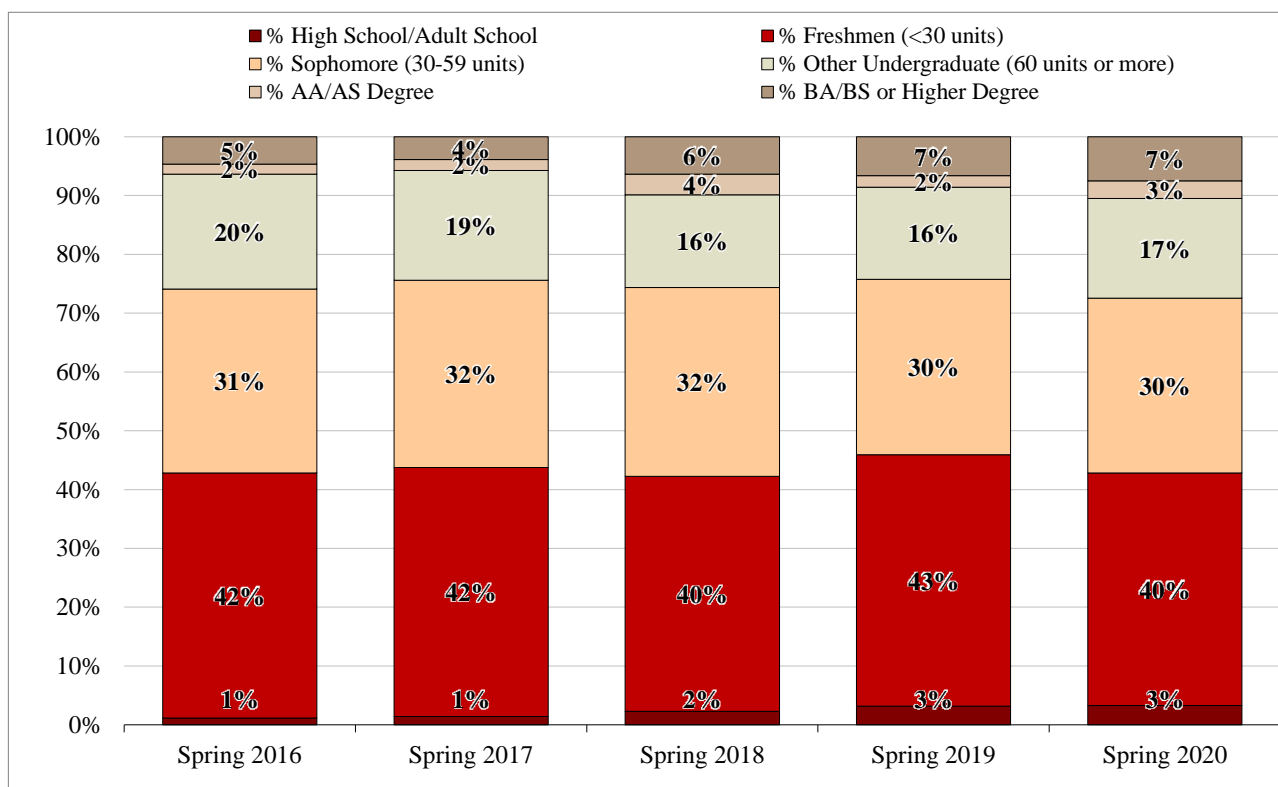
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

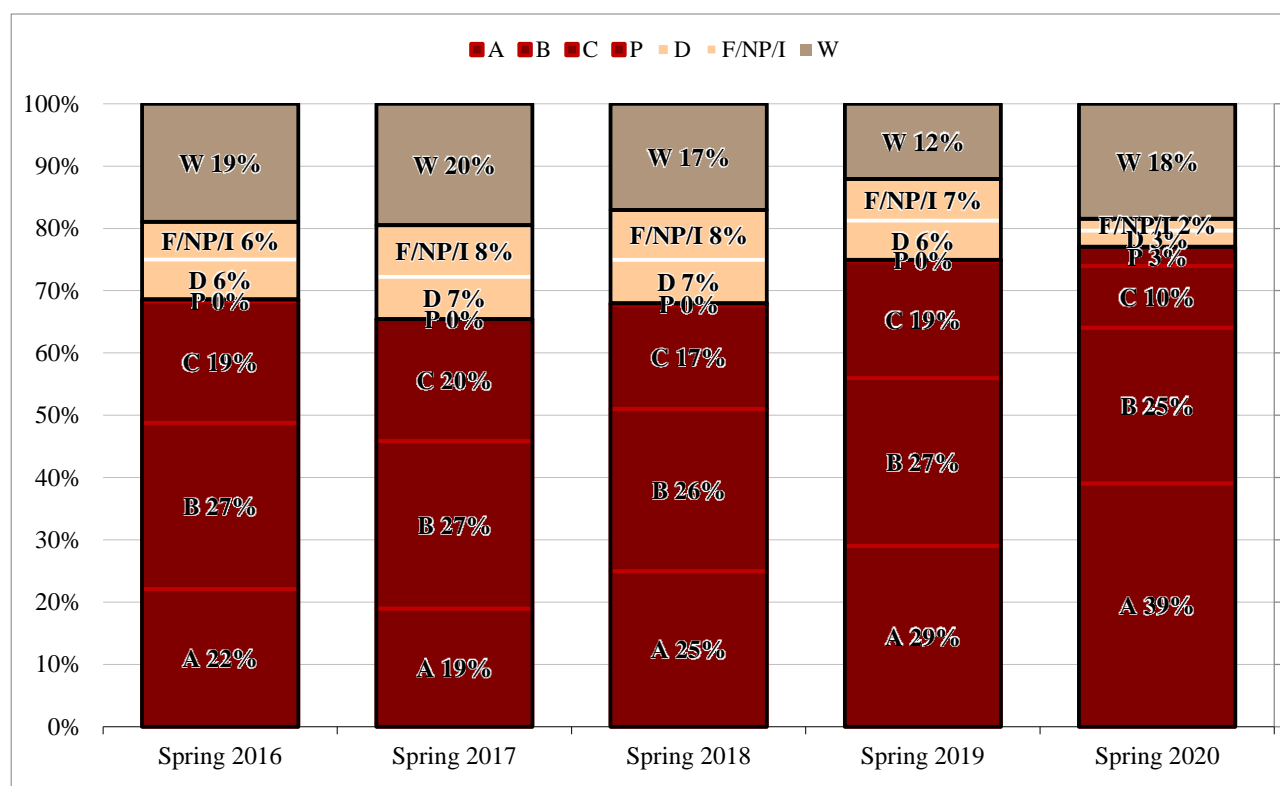
Highest Educational Level of Students

Biological Sciences (BIO)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
High School/Adult School	10	13	23	31	34
Freshmen (<30 units)	367	392	397	420	412
Sophomore (30-59 units)	275	295	319	293	309
Other Undergraduate (60 units or more)	172	173	157	154	177
AA/AS Degree	15	17	35	19	31
BA/BS or Higher Degree	41	36	63	65	78
% High School/Adult School	1%	1%	2%	3%	3%
% Freshmen (<30 units)	42%	42%	40%	43%	40%
% Sophomore (30-59 units)	31%	32%	32%	30%	30%
% Other Undergraduate (60 units or more)	20%	19%	16%	16%	17%
% AA/AS Degree	2%	2%	4%	2%	3%
% BA/BS or Higher Degree	5%	4%	6%	7%	7%



Student Performance: Grade Distribution

Biological Sciences (BIO)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Total Course Enrollments	924	965	1,022	1,020	1,087
Course Success Rates	69%	65%	68%	75%	77%
A	22%	19%	25%	29%	39%
B	27%	27%	26%	27%	25%
C	19%	20%	17%	19%	10%
P	<1%	0%	<1%	<1%	3%
Course Non-Success Rate	12%	15%	15%	13%	4%
D	6%	7%	7%	6%	3%
F/NP/I	6%	8%	8%	7%	2%
Withdrawals (W)	19%	20%	17%	12%	18%



Definitions:

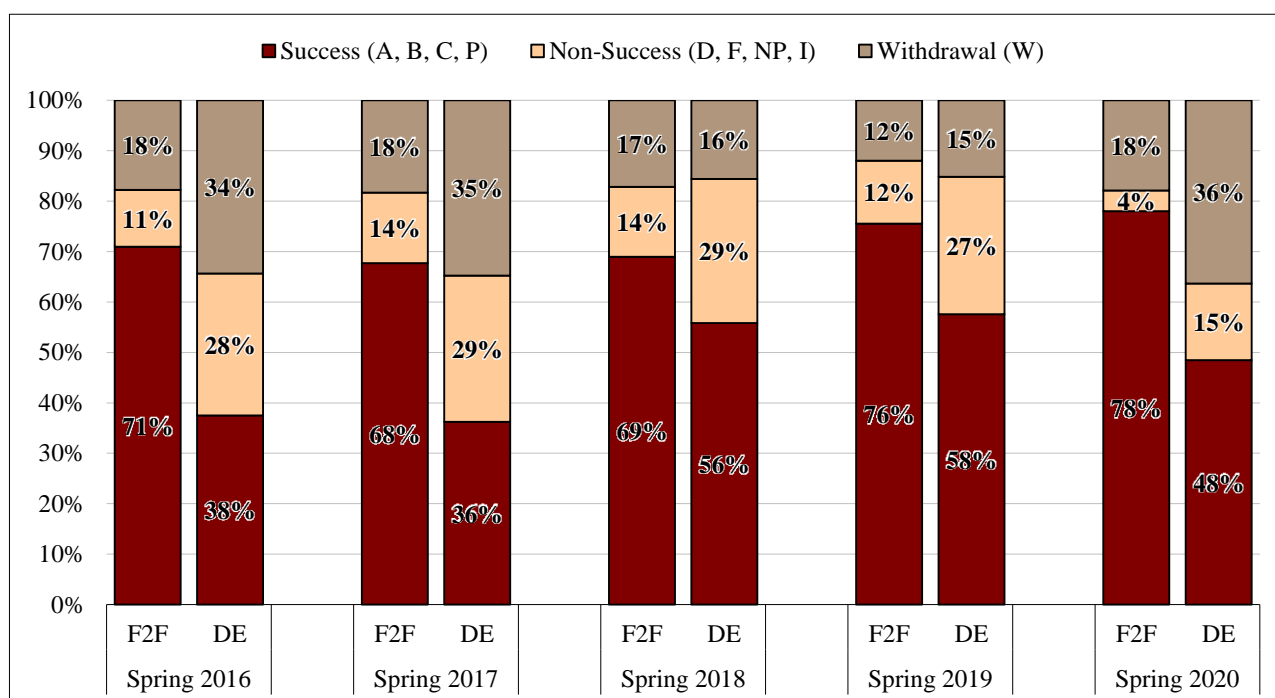
Course Success Rate is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

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

Biological Sciences (BIO)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Total Course Enrollments	924	965	1,022	1,020	1,087
Face-to-Face (F2F) Sections	860	896	945	953	1013
Success Rates	71%	68%	69%	76%	78%
Non-Success Rates	11%	14%	14%	12%	4%
Withdrawals	18%	18%	17%	12%	18%
Distance Education (DE) Sections	64	69	77	67	74
Success Rates	38%	36%	56%	58%	48%
Non-Success Rates	28%	29%	29%	27%	15%
Withdrawals	34%	35%	16%	15%	36%



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.

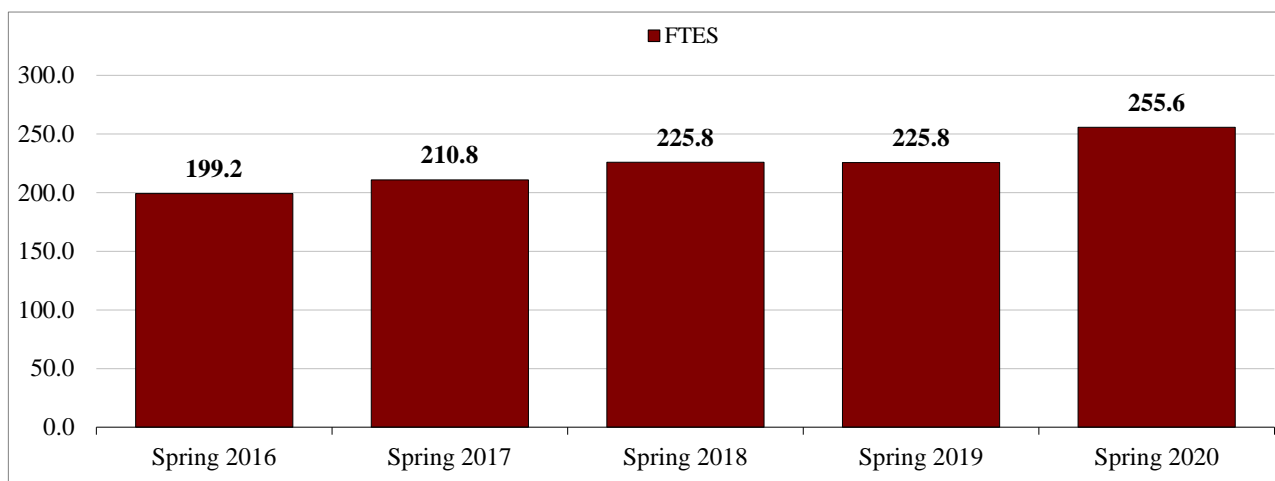
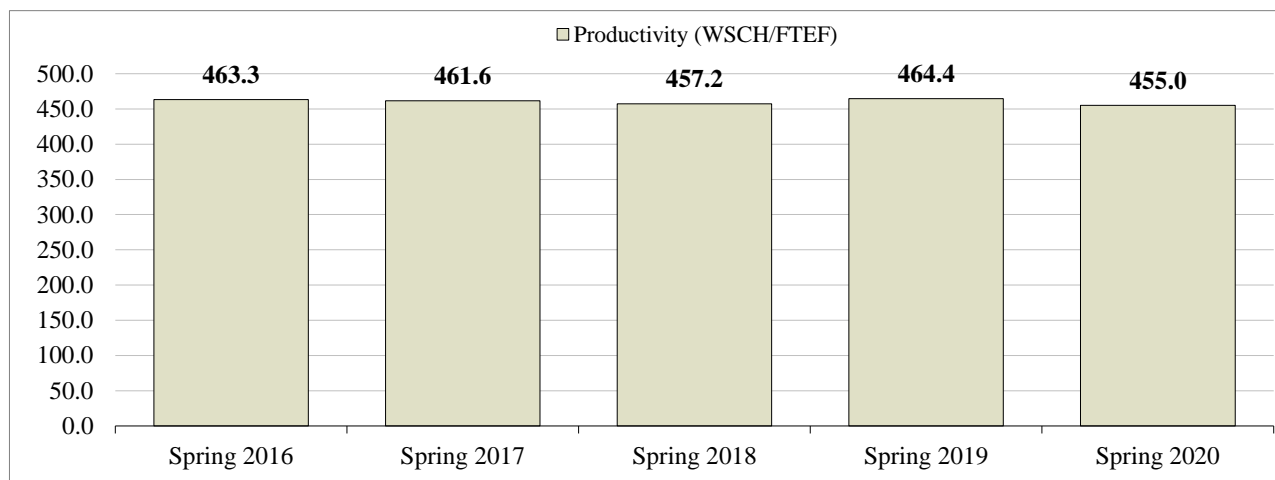
Course Non-Success Rate is the percentage of students receiving a grade of ('D', 'F', 'NP or 'T') relative to all students receiving a grade.

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				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
WSCH	6,042	6,435	6,849	6,878	7,817
FTES	199.2	210.8	225.8	225.8	255.6
FTEF	13.0	13.9	15.0	14.8	17.2
Productivity (WSCH/FTEF)	463.3	461.6	457.2	464.4	455.0



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.

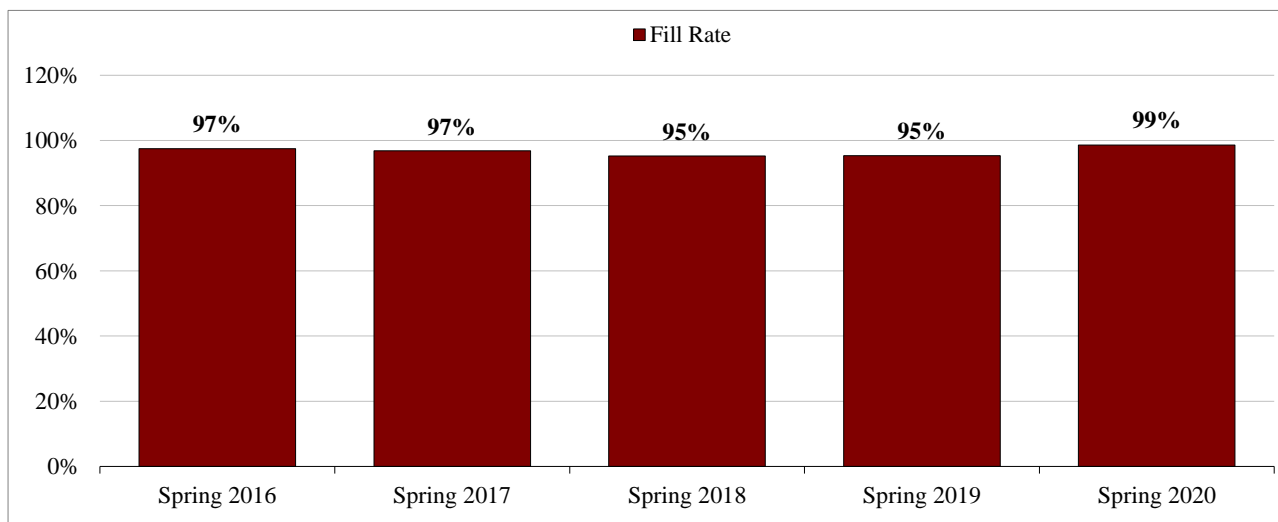
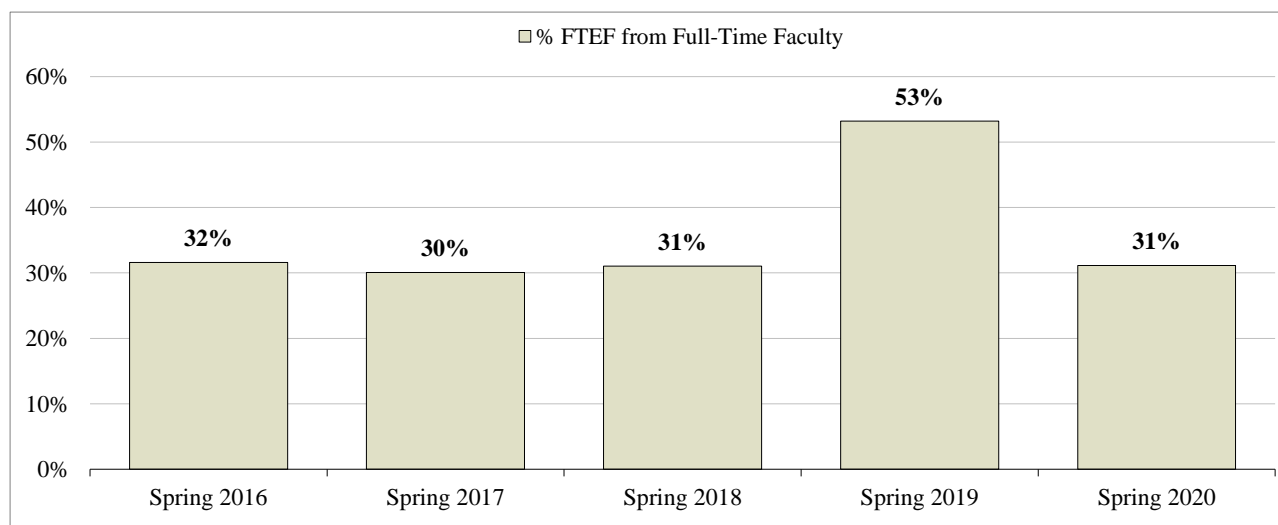
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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 7/14/20.

Enrollment Management: Part 2

Biological Sciences (BIO)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
FTEF from Full-Time Faculty	4.1	4.2	4.7	7.9	5.4
% FTEF from Full-Time Faculty	32%	30%	31%	53%	31%
Enrollments	924	965	1,022	1,020	1,087
Capacity (seats available)	948	997	1,073	1,070	1,102
Fill Rate	97%	97%	95%	95%	99%



Definitions:

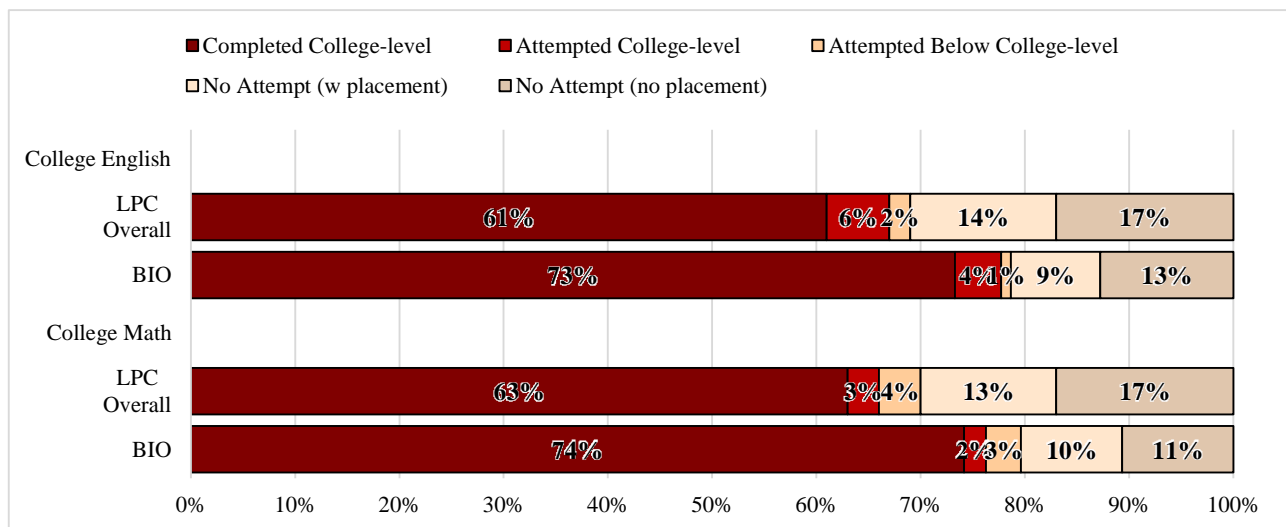
Fill Rate is number of enrollments over the total capacity (seats available).

% 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			
	BIO		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	763	73%	5,254	61%
Attempted College-level	46	4%	502	6%
Attempted Below College-level	10	1%	179	2%
No Attempt (with placement)	89	9%	1,175	14%
No Attempt (no placement)	133	13%	1,480	17%
College Math				
Completed College-level	772	74%	5,383	63%
Attempted College-level	22	2%	274	3%
Attempted Below College-level	35	3%	366	4%
No Attempt (with placement)	101	10%	1,134	13%
No Attempt (no placement)	111	11%	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.