



Las Positas College

Program Review Discipline Data Packet

Spring 2015 to Spring 2019

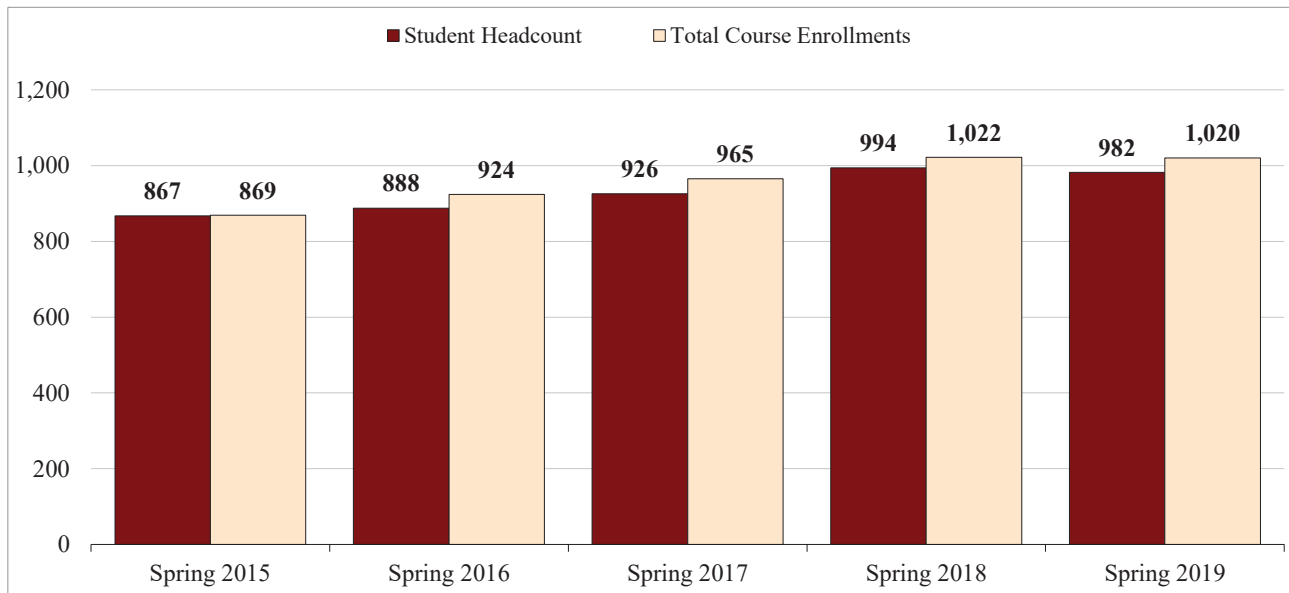
Discipline:

Biological Sciences (BIO*)

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Headcount & Enrollment

Biological Sciences (BIO*)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
Student Headcount	867	888	926	994	982
Total Course Enrollments	869	924	965	1,022	1,020



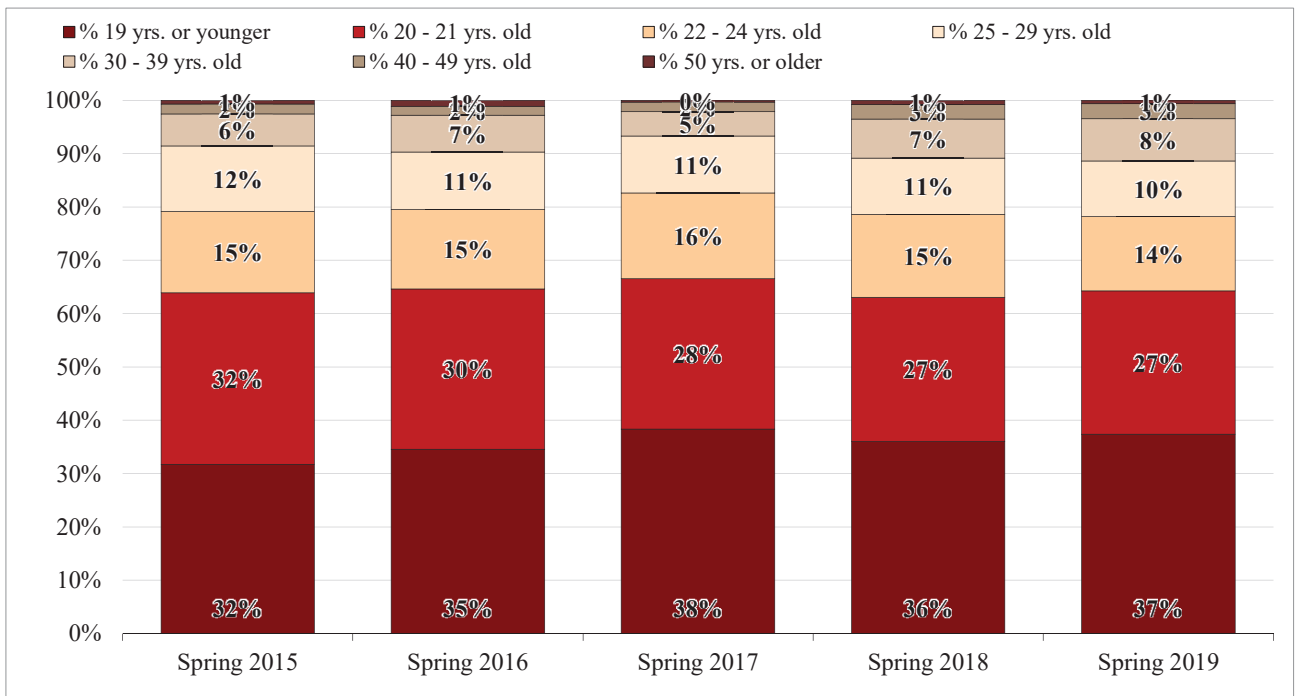
Definitions:

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.

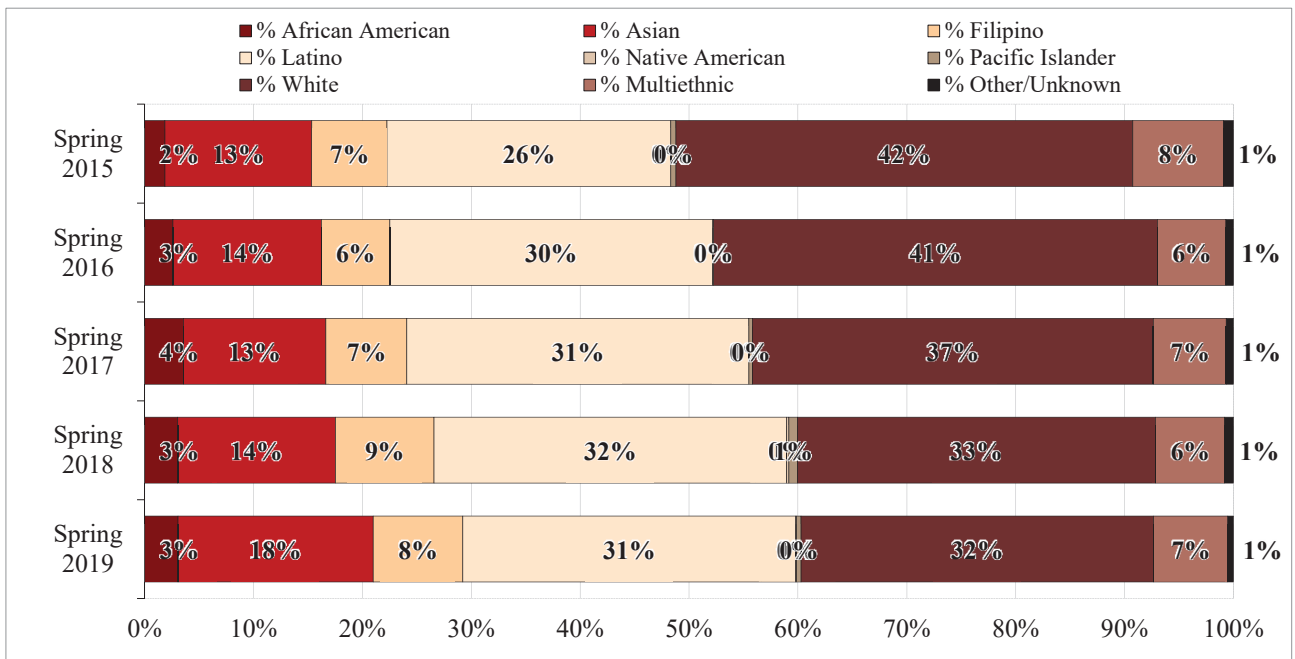
Student Demographics: Gender & Age

Biological Sciences (BIO*)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
Female	526	524	566	607	635
Male	333	353	347	374	336
19 yrs. or younger	275	307	355	358	367
20-21 yrs. old	279	267	261	269	264
22-24 yrs. old	132	132	149	154	137
25-29 yrs. old	107	96	99	105	102
30-39 yrs. old	52	61	42	73	78
40-49 yrs. old	16	15	17	27	28
50 yrs. or older	6	10	3	8	6
% Female	61%	60%	62%	62%	65%
% Male	39%	40%	38%	38%	35%
% 19 yrs. or younger	32%	35%	38%	36%	37%
% 20 - 21 yrs. old	32%	30%	28%	27%	27%
% 22 - 24 yrs. old	15%	15%	16%	15%	14%
% 25 - 29 yrs. old	12%	11%	11%	11%	10%
% 30 - 39 yrs. old	6%	7%	5%	7%	8%
% 40 - 49 yrs. old	2%	2%	2%	3%	3%
% 50 yrs. or older	1%	1%	<1%	1%	1%



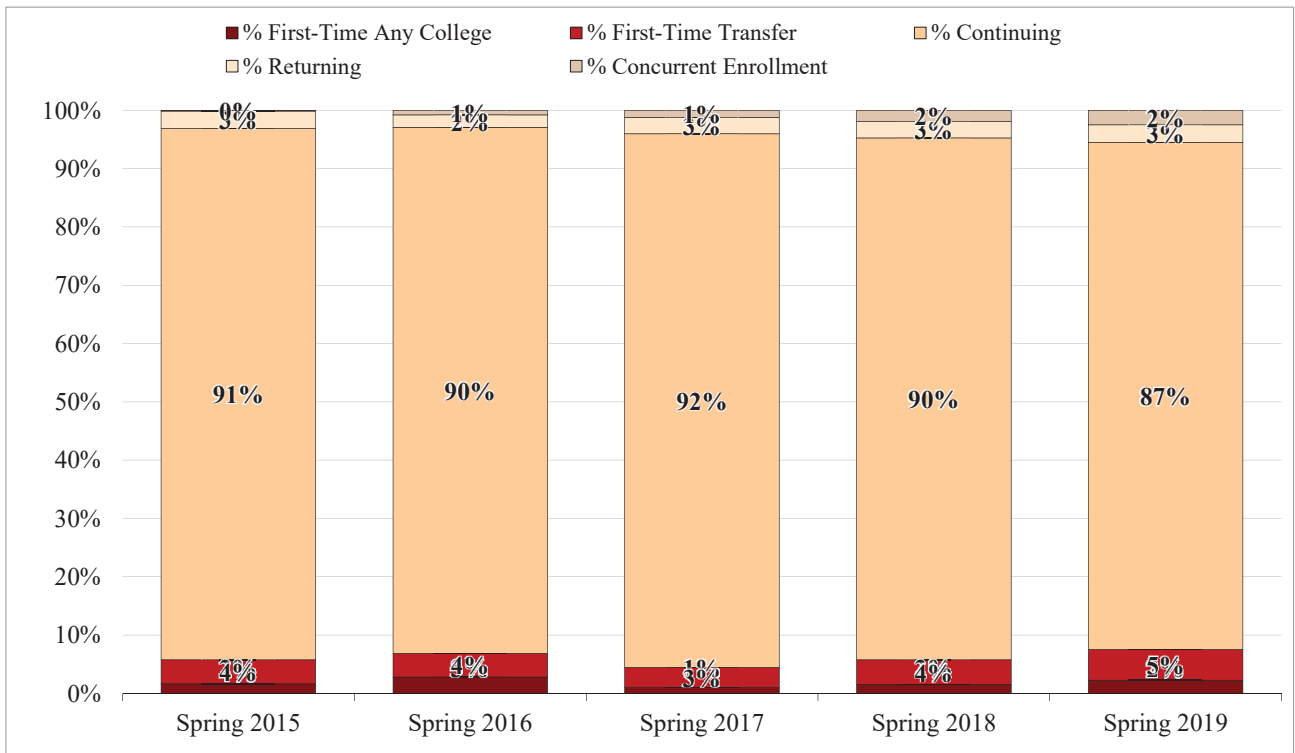
Student Demographic: Race-Ethnicity

Biological Sciences (BIO*)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
African American	16	23	33	30	30
Asian	117	121	121	144	176
Filipino	60	56	69	90	81
Latino	226	263	291	322	300
Native American	0	1	0	2	1
Pacific Islander	4	0	3	8	4
White	364	362	341	327	318
Multiethnic	72	56	62	63	67
Other/Unknown	8	6	6	8	5
% African American	2%	3%	4%	3%	3%
% Asian	13%	14%	13%	14%	18%
% Filipino	7%	6%	7%	9%	8%
% Latino	26%	30%	31%	32%	31%
% Native American	0%	<1%	0%	<1%	<1%
% Pacific Islander	<1%	0%	<1%	1%	<1%
% White	42%	41%	37%	33%	32%
% Multiethnic	8%	6%	7%	6%	7%
% Other/Unknown	1%	1%	1%	1%	1%



Student Enrollment Status

Biological Sciences (BIO*)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
First-Time Any College	14	25	9	15	22
First-Time Transfer	36	36	32	42	52
Continuing	790	801	847	890	854
Returning	26	19	26	28	30
Concurrent Enrollment	1	7	11	19	24
% First-Time Any College	2%	3%	1%	2%	2%
% First-Time Transfer	4%	4%	3%	4%	5%
% Continuing	91%	90%	92%	90%	87%
% Returning	3%	2%	3%	3%	3%
% 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.

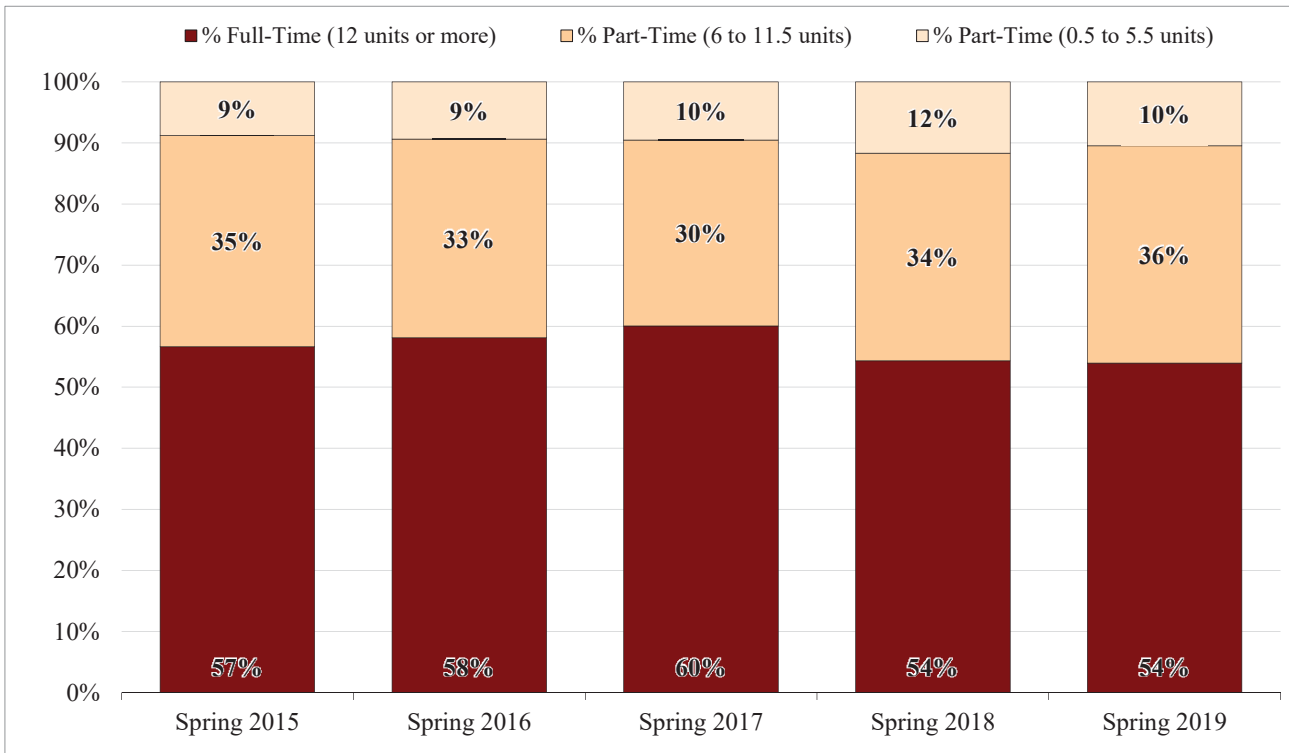
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

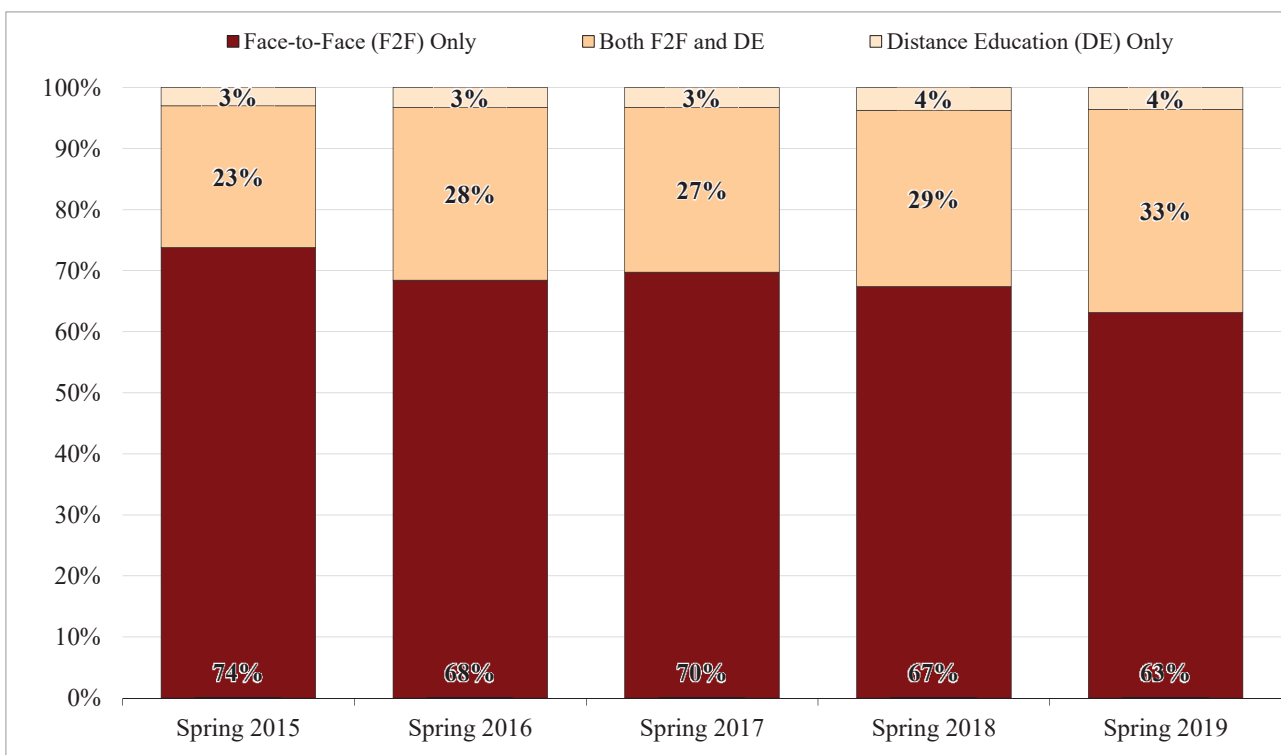
Student Unit Load

Biological Sciences (BIO*)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
Full-Time (12 units or more)	491	516	556	540	530
Part-Time (6 to 11.5 units)	300	289	282	338	349
Part-Time (0.5 to 5.5 units)	76	83	88	116	103
% Full-Time (12 units or more)	57%	58%	60%	54%	54%
% Part-Time (6 to 11.5 units)	35%	33%	30%	34%	36%
% Part-Time (0.5 to 5.5 units)	9%	9%	10%	12%	10%



Students Using Distance Education

Biological Sciences (BIO*)					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
Face-to-Face (F2F) Only	640	608	646	670	620
Both F2F and DE	201	251	250	287	327
Distance Education (DE) Only	26	29	30	37	35
% Face-to-Face (F2F) Only	74%	68%	70%	67%	63%
% Both F2F and DE	23%	28%	27%	29%	33%
% Distance Education (DE) Only	3%	3%	3%	4%	4%

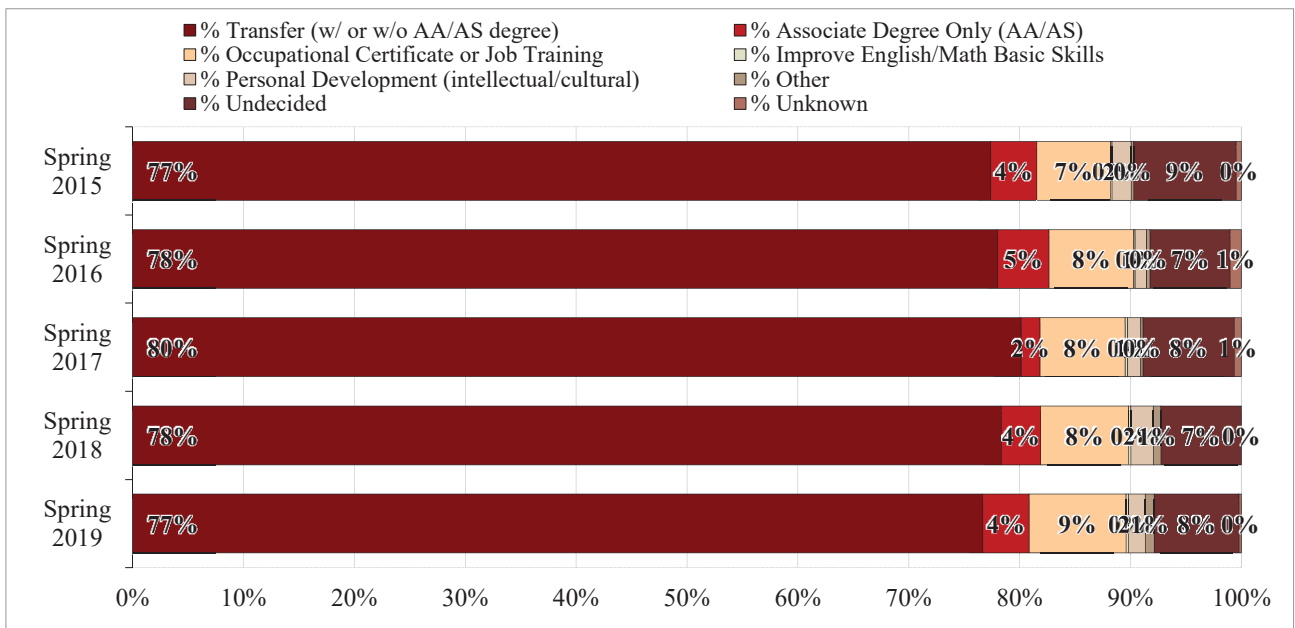


Definitions:

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

Student Educational Goal

Biological Sciences (BIO*)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
Transfer (w/ or w/o AA/AS degree)	671	693	742	779	753
Associate Degree Only (AA/AS)	36	41	16	35	41
Occupational Certificate or Job Training	58	68	71	79	86
Improve English/Math Basic Skills	1	1	2	2	2
Personal Development (intellectual/cultural)	15	9	11	20	15
Other	2	3	2	7	8
Undecided	80	64	76	72	75
Unknown	4	9	6	0	2
% Transfer (w/ or w/o AA/AS degree)	77%	78%	80%	78%	77%
% Associate Degree Only (AA/AS)	4%	5%	2%	4%	4%
% Occupational Certificate or Job Training	7%	8%	8%	8%	9%
% Improve English/Math Basic Skills	<1%	<1%	<1%	<1%	<1%
% Personal Development (intellectual/cultural)	2%	1%	1%	2%	2%
% Other	<1%	<1%	<1%	1%	1%
% Undecided	9%	7%	8%	7%	8%
% Unknown	<1%	1%	1%	0%	<1%



Definitions:

Transfer: Students who want to transfer to a 4-year university. Includes students enrolled in 4-year institutions completing requirements at LPC.

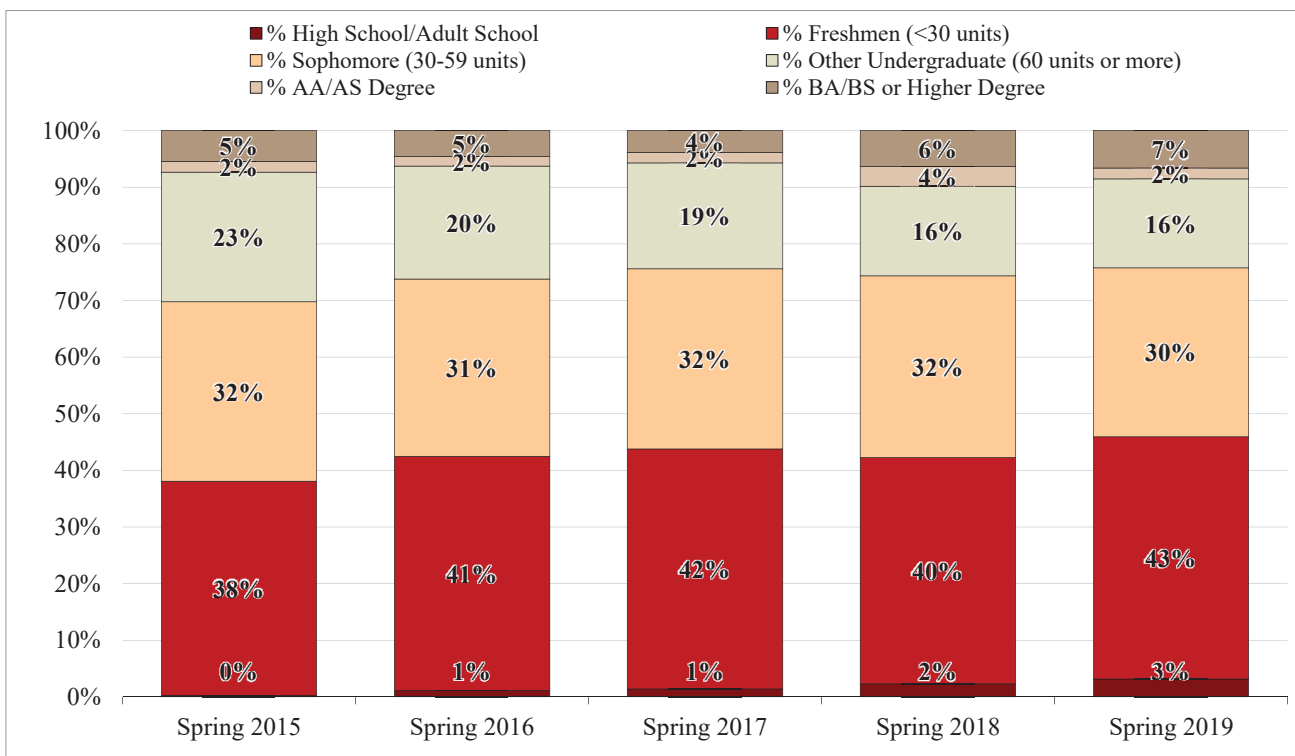
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

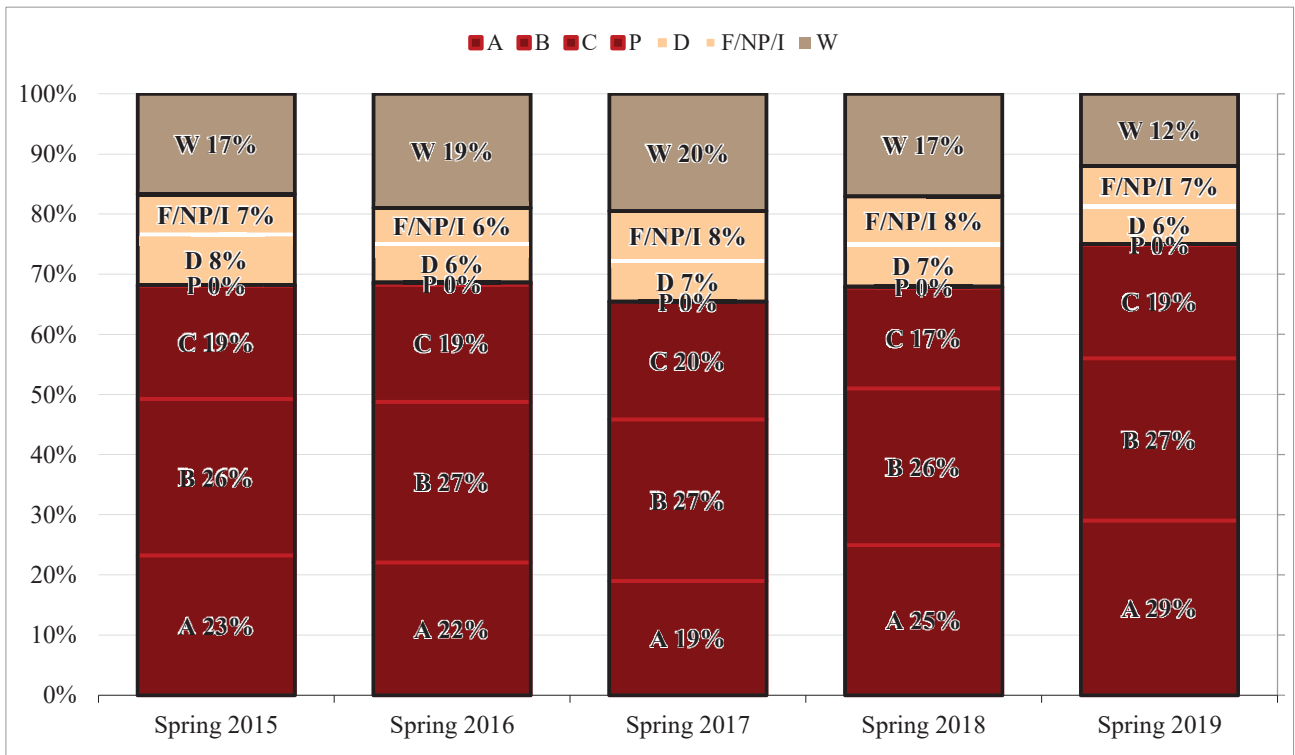
Highest Educational Level of Students

Biological Sciences (BIO*)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
High School/Adult School	2	10	13	23	31
Freshmen (<30 units)	328	367	392	397	420
Sophomore (30-59 units)	275	278	295	319	293
Other Undergraduate (60 units or more)	198	177	173	157	154
AA/AS Degree	17	15	17	35	19
BA/BS or Higher Degree	47	41	36	63	65
% High School/Adult School	<1%	1%	1%	2%	3%
% Freshmen (<30 units)	38%	41%	42%	40%	43%
% Sophomore (30-59 units)	32%	31%	32%	32%	30%
% Other Undergraduate (60 units or more)	23%	20%	19%	16%	16%
% AA/AS Degree	2%	2%	2%	4%	2%
% BA/BS or Higher Degree	5%	5%	4%	6%	7%



Student Performance: Grade Distribution

Biological Sciences (BIO*)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
Total Course Enrollments	869	924	965	1,022	1,020
Course Success Rates	68%	69%	65%	68%	75%
A	23%	22%	19%	25%	29%
B	26%	27%	27%	26%	27%
C	19%	19%	20%	17%	19%
P	<1%	<1%	0%	<1%	<1%
Course Non-Success Rate	15%	12%	15%	15%	13%
D	8%	6%	7%	7%	6%
F/NP/I	7%	6%	8%	8%	7%
Withdrawals (W)	17%	19%	20%	17%	12%



Definitions:

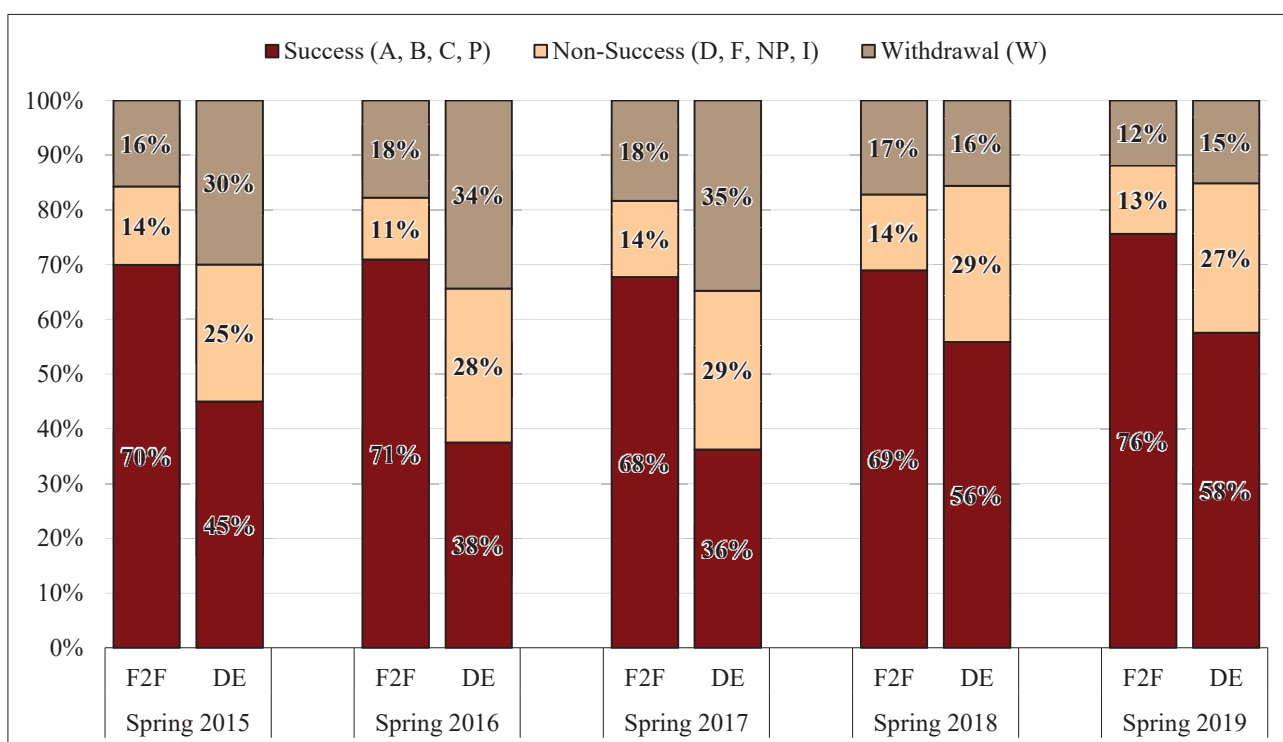
Course Success Rate is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

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 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
Total Course Enrollments	869	924	965	1,022	1,020
Face-to-Face (F2F) Sections	809	860	896	945	953
Success Rates	70%	71%	68%	69%	76%
Non-Success Rates	14%	11%	14%	14%	13%
Withdrawals	16%	18%	18%	17%	12%
Distance Education (DE) Sections	60	64	69	77	67
Success Rates	45%	38%	36%	56%	58%
Non-Success Rates	25%	28%	29%	29%	27%
Withdrawals	30%	34%	35%	16%	15%



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.

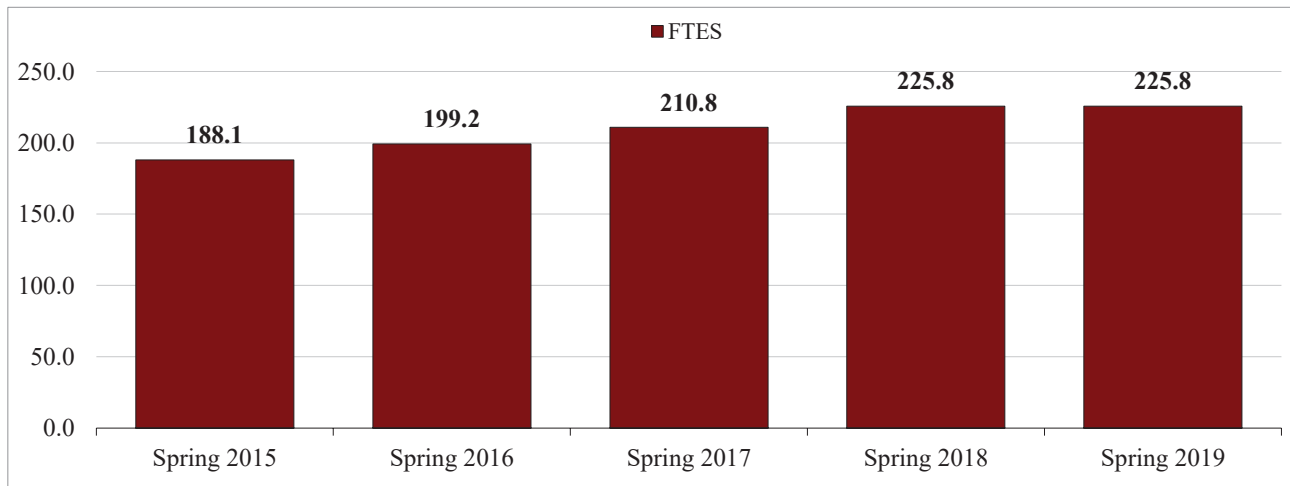
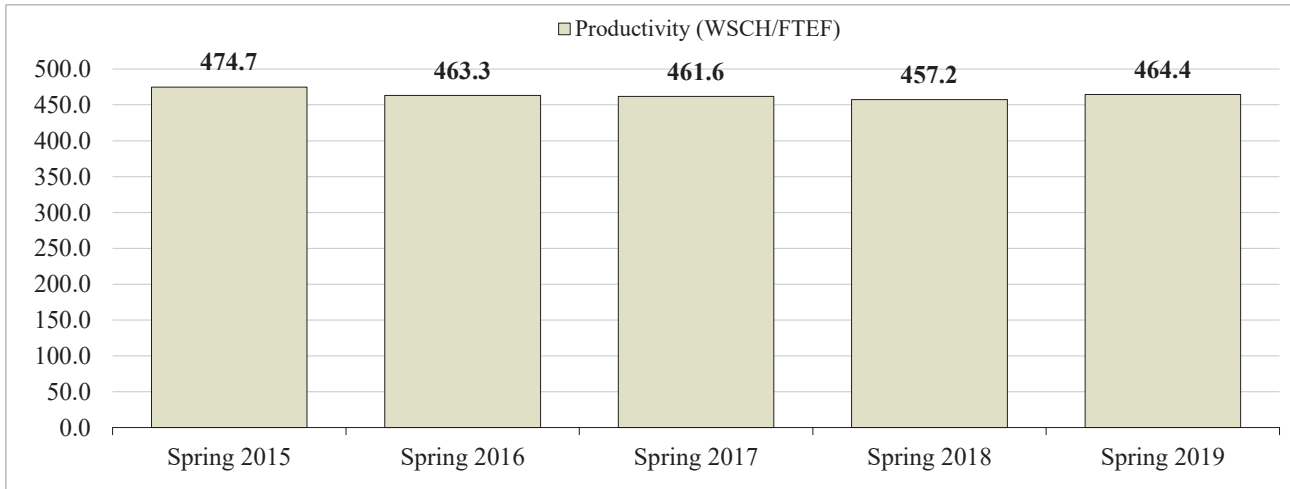
Course Non-Success Rate is the percentage of students receiving a grade of ('D', 'F', 'NP' or 'I') relative to all students receiving a grade.

Withdrawals is the percentage of students receiving a grade notation of 'W' relative to all students receiving a grade.

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 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
WSCH	5,678	6,042	6,435	6,849	6,878
FTES	188.1	199.2	210.8	225.8	225.8
FTEF	12.0	13.0	13.9	15.0	14.8
Productivity (WSCH/FTEF)	474.7	463.3	461.6	457.2	464.4



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.

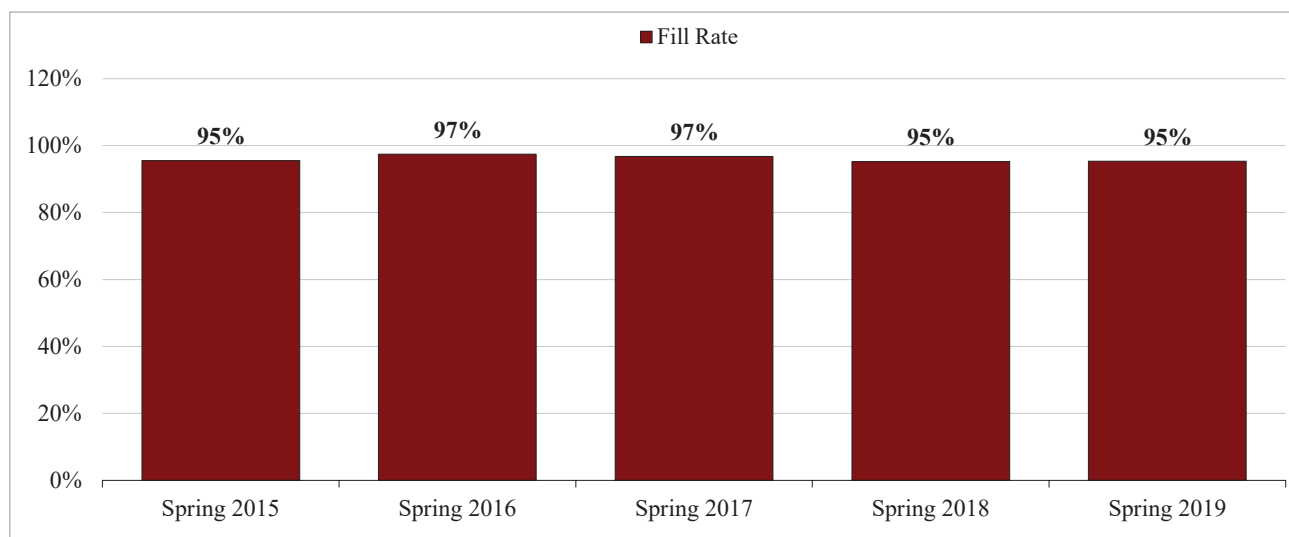
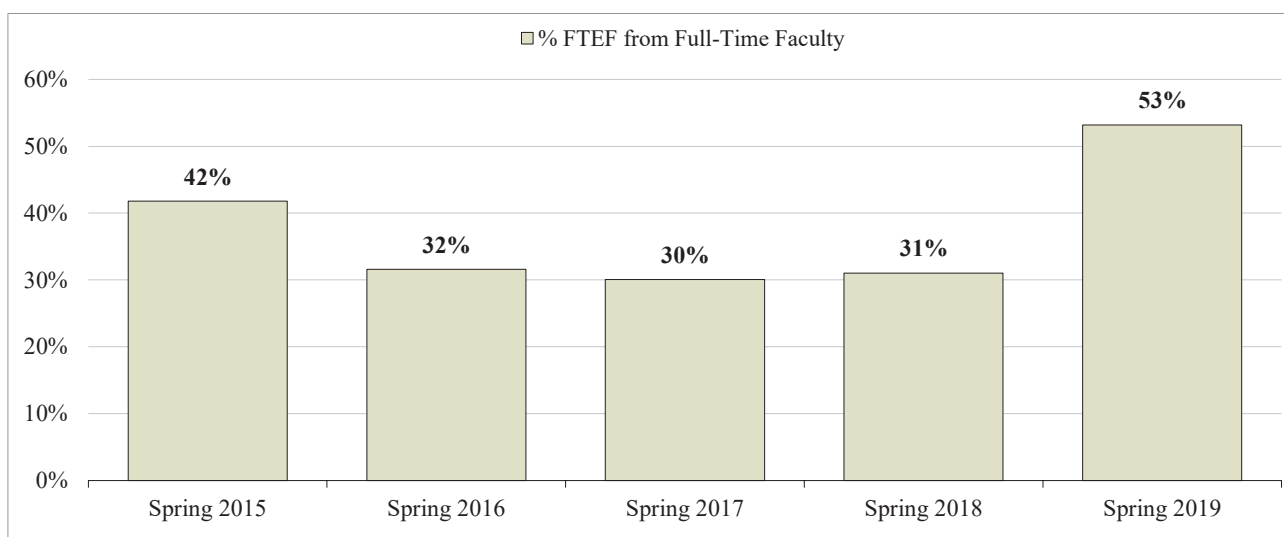
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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

Note: Enrollment Management data includes all credit courses accounted for during the respective academic terms; data accessed on 5/15/18.

Enrollment Management: Part 2

Biological Sciences (BIO*)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
FTEF from Full-Time Faculty	5.0	4.1	4.2	4.7	7.9
% FTEF from Full-Time Faculty	42%	32%	30%	31%	53%
Enrollments	869	924	965	1,022	1,020
Capacity (seats available)	910	948	997	1,073	1,070
Fill Rate	95%	97%	97%	95%	95%



Definitions:

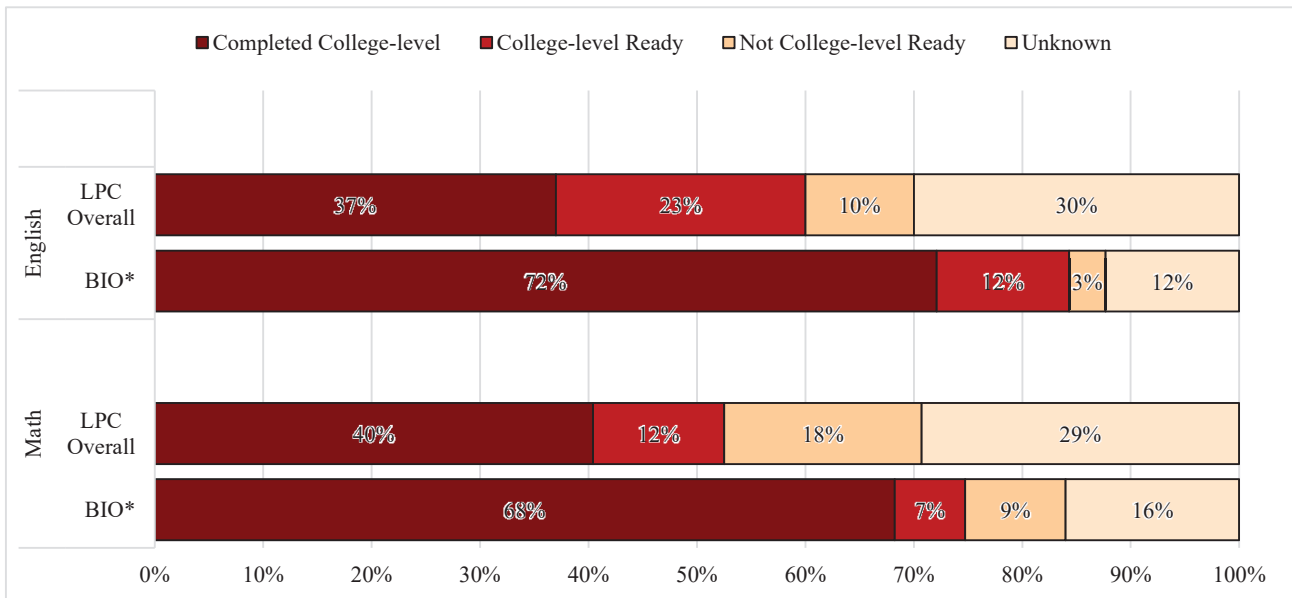
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 includes all credit courses accounted for during the respective academic terms; data accessed on 5/15/18.

College Readiness: English & Math Proficiency

Spring 2019				
	BIO*		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	708	72%	5,237	60%
College-level Ready	120	13%	1,339	15%
Not College-level Ready	33	4%	458	5%
Unknown	121	13%	1,703	19%
College Math				
Completed College-level	670	68%	4,956	57%
College-level Ready	64	7%	642	7%
Not College-level Ready	91	9%	1,161	13%
Unknown	157	16%	1,978	23%



Definitions:

College English

Completed College-level is defined as successfully completed ENG 1A or higher, or has earned at least an Associates degree.

College-level Ready is defined as anyone who is eligible for ENG 1A but has not successfully completed the course.

Not College-level Ready is defined as anyone who is not eligible for ENG 1A but has not successfully completed the course.

Unknown is defined as anyone with no previous English enrollments within the sequence and no previous English assessment.

College Math

Completed College-level is defined as successfully completed Math 55 or higher or assessed into Transfer-level Math, or has earned at least an Associates degree.

College-level Ready is defined as anyone who is eligible for MATH 55 but has not yet successfully complete the course.

Not College-level Ready is defined as anyone who is not eligible for MATH 55 but has not yet successfully complete the course.

Unknown is defined as anyone with no previous Math enrollments within the sequence and no previous Math assessment.