



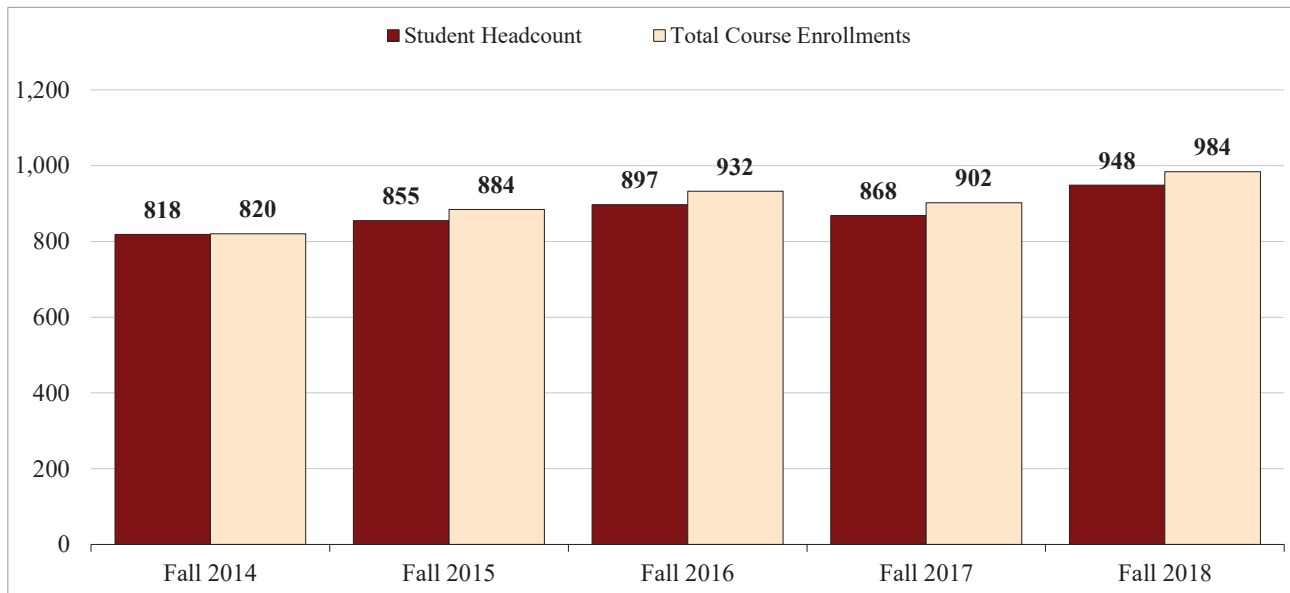
Las Positas College
Program Review Discipline Data Packet
Fall 2014 to Fall 2018

Discipline:
Biological Sciences (BIO*)

<u>TABLE OF CONTENTS</u>	<u>PAGE</u>
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
College Readiness: English & Math Proficiency.....	13

Headcount & Enrollment

Biological Sciences (BIO*)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Student Headcount	818	855	897	868	948
Total Course Enrollments	820	884	932	902	984



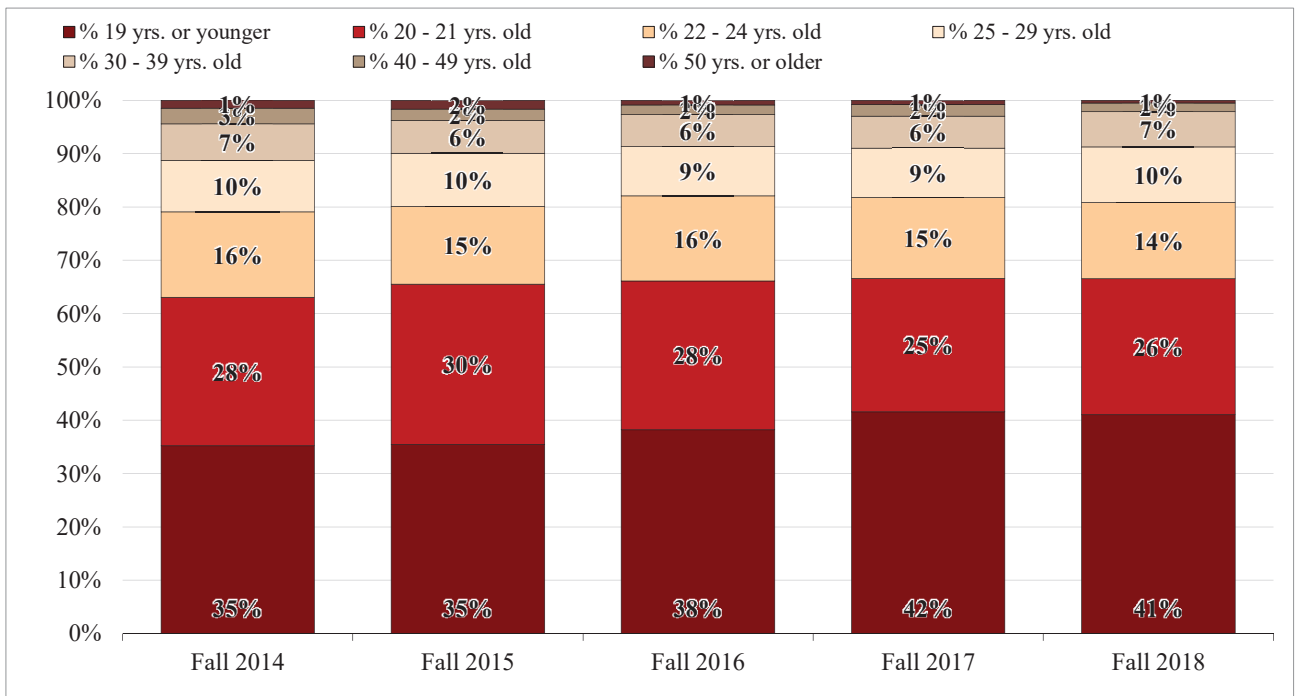
Definitions:

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.

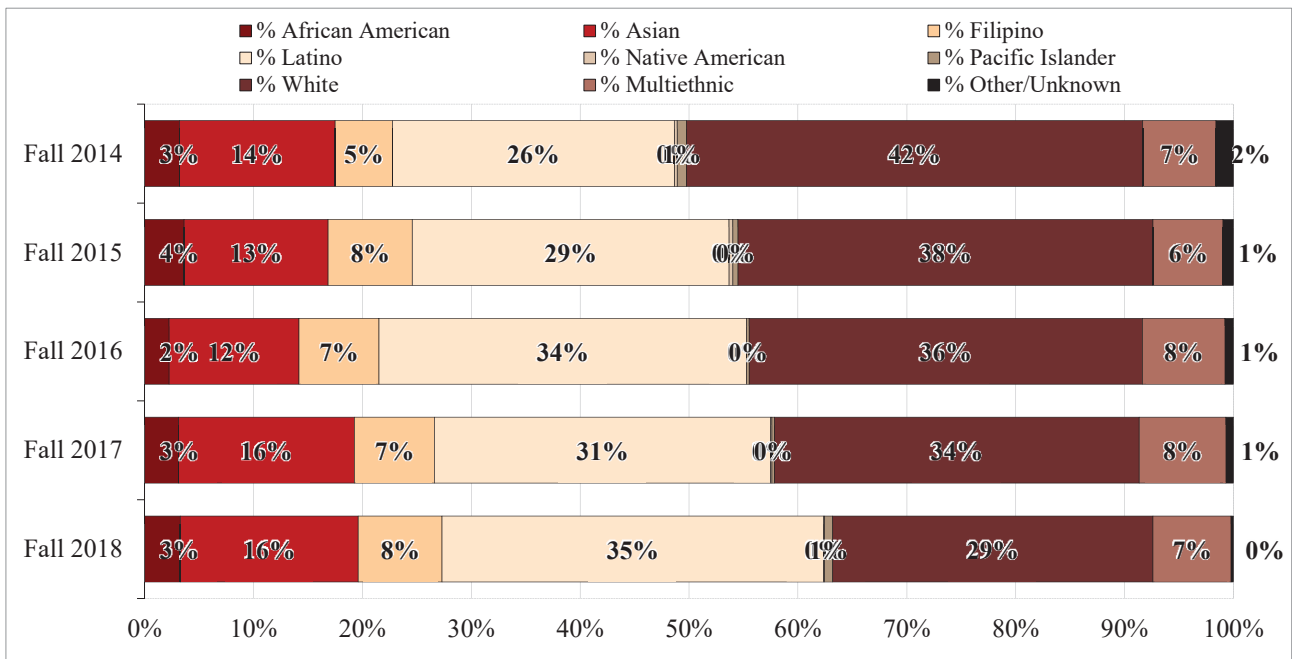
Student Demographics: Gender & Age

	Biological Sciences (BIO*)				
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Female	502	533	517	535	597
Male	310	312	373	321	333
19 yrs. or younger	288	303	343	361	389
20-21 yrs. old	228	257	250	217	242
22-24 yrs. old	131	125	143	132	135
25-29 yrs. old	79	85	83	80	99
30-39 yrs. old	56	53	54	52	63
40-49 yrs. old	24	18	16	19	15
50 yrs. or older	12	14	8	7	5
% Female	62%	63%	58%	63%	64%
% Male	38%	37%	42%	38%	36%
% 19 yrs. or younger	35%	35%	38%	42%	41%
% 20 - 21 yrs. old	28%	30%	28%	25%	26%
% 22 - 24 yrs. old	16%	15%	16%	15%	14%
% 25 - 29 yrs. old	10%	10%	9%	9%	10%
% 30 - 39 yrs. old	7%	6%	6%	6%	7%
% 40 - 49 yrs. old	3%	2%	2%	2%	2%
% 50 yrs. or older	1%	2%	1%	1%	1%



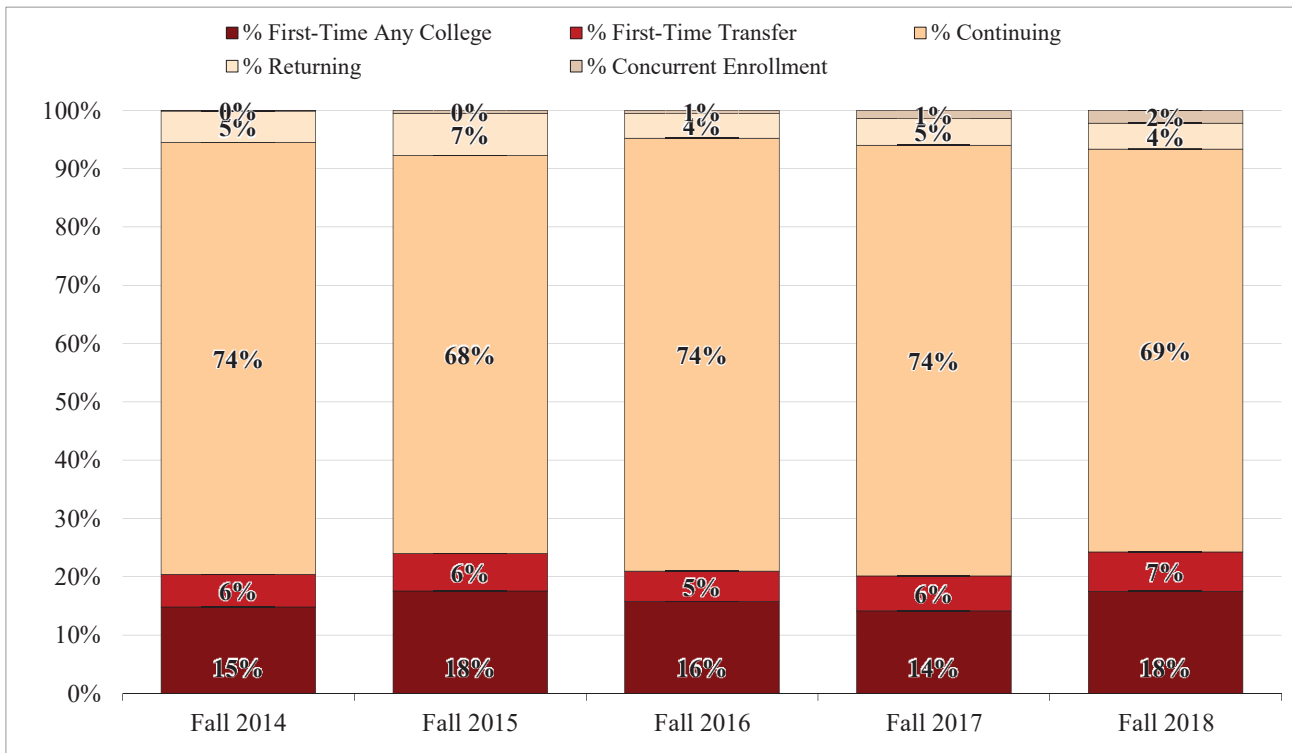
Student Demographic: Race-Ethnicity

Biological Sciences (BIO*)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
African American	26	31	20	27	31
Asian	117	113	107	140	155
Filipino	43	66	66	64	73
Latino	212	249	303	268	332
Native American	2	3	0	1	1
Pacific Islander	7	4	2	2	7
White	343	326	324	291	279
Multiethnic	55	55	68	69	68
Other/Unknown	13	8	7	6	2
% African American	3%	4%	2%	3%	3%
% Asian	14%	13%	12%	16%	16%
% Filipino	5%	8%	7%	7%	8%
% Latino	26%	29%	34%	31%	35%
% Native American	<1%	<1%	0%	<1%	<1%
% Pacific Islander	1%	<1%	<1%	<1%	1%
% White	42%	38%	36%	34%	29%
% Multiethnic	7%	6%	8%	8%	7%
% Other/Unknown	2%	1%	1%	1%	<1%



Student Enrollment Status

Biological Sciences (BIO*)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
First-Time Any College	121	150	141	123	166
First-Time Transfer	46	55	47	52	64
Continuing	606	584	666	641	655
Returning	44	62	38	40	42
Concurrent Enrollment	1	4	5	12	21
% First-Time Any College	15%	18%	16%	14%	18%
% First-Time Transfer	6%	6%	5%	6%	7%
% Continuing	74%	68%	74%	74%	69%
% Returning	5%	7%	4%	5%	4%
% Concurrent Enrollment	<1%	<1%	1%	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.

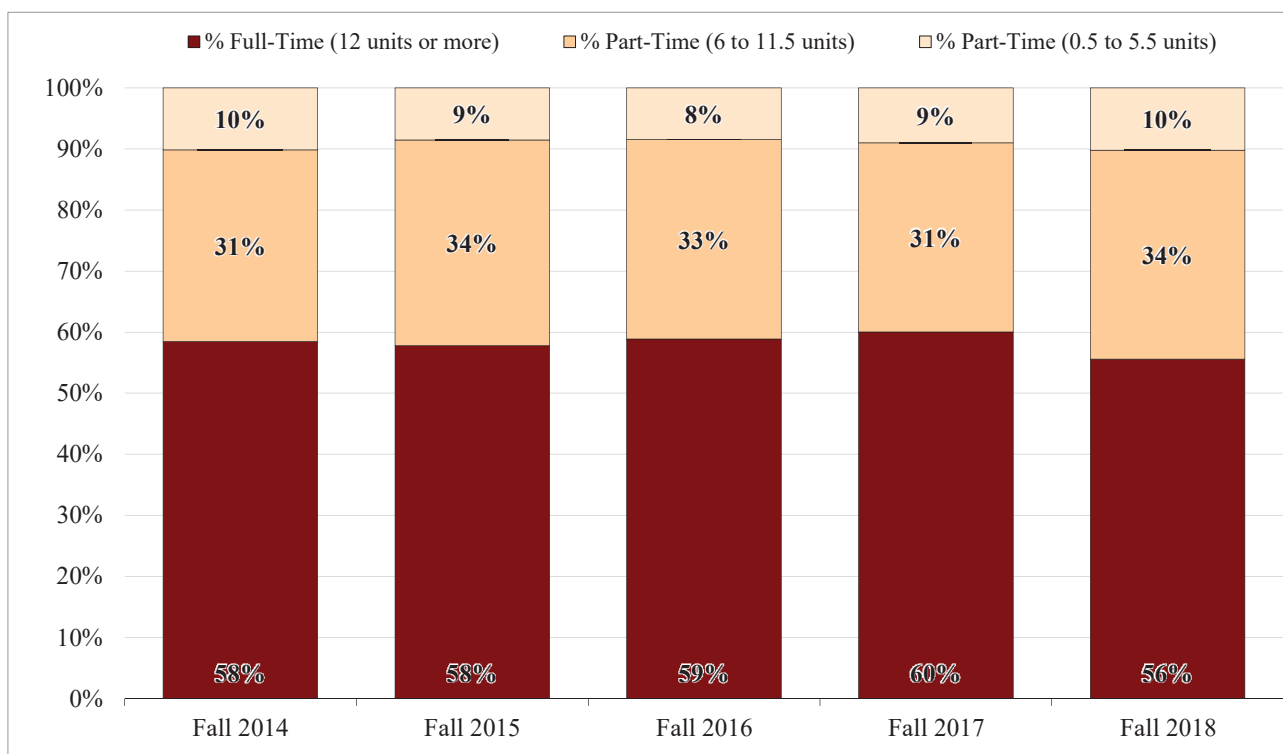
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

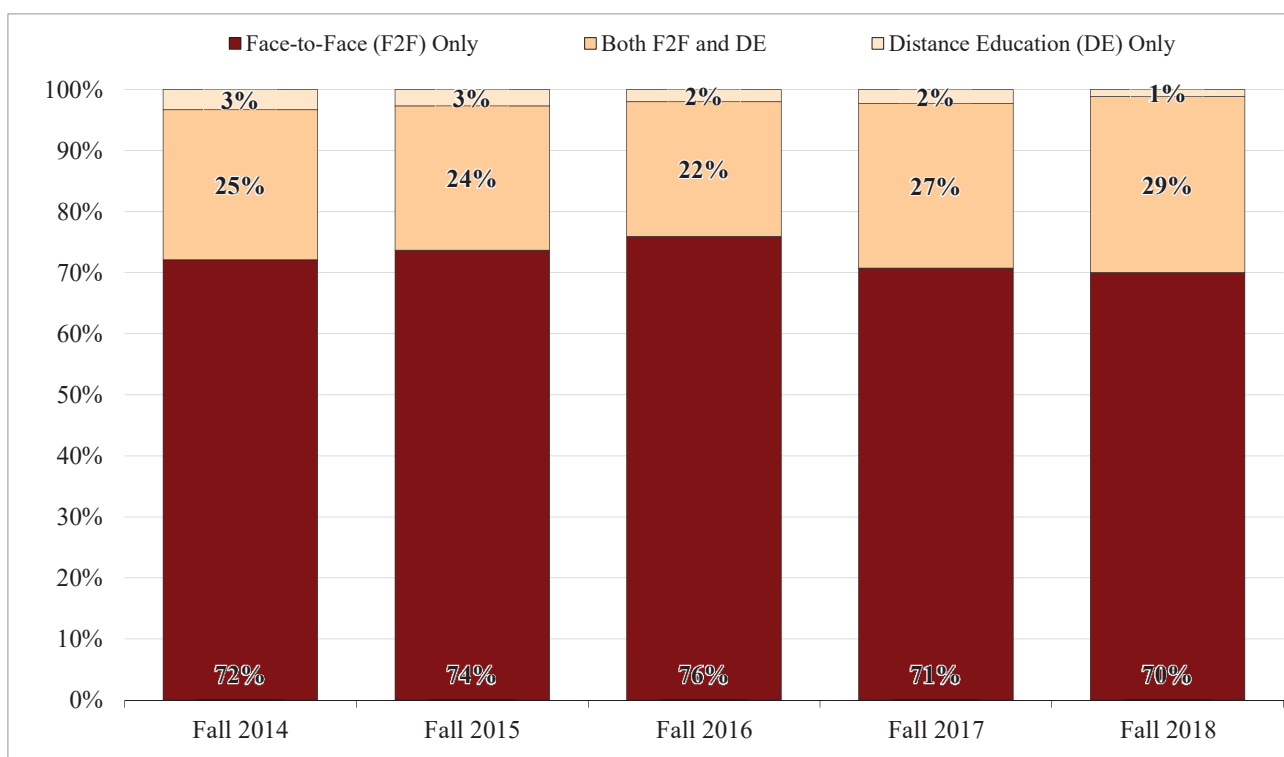
Student Unit Load

Biological Sciences (BIO*)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Full-Time (12 units or more)	478	494	528	521	527
Part-Time (6 to 11.5 units)	257	288	293	269	324
Part-Time (0.5 to 5.5 units)	83	73	76	78	97
% Full-Time (12 units or more)	58%	58%	59%	60%	56%
% Part-Time (6 to 11.5 units)	31%	34%	33%	31%	34%
% Part-Time (0.5 to 5.5 units)	10%	9%	8%	9%	10%



Students Using Distance Education

Biological Sciences (BIO*)					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Face-to-Face (F2F) Only	590	630	681	614	664
Both F2F and DE	201	202	198	234	273
Distance Education (DE) Only	27	23	18	20	11
% Face-to-Face (F2F) Only	72%	74%	76%	71%	70%
% Both F2F and DE	25%	24%	22%	27%	29%
% Distance Education (DE) Only	3%	3%	2%	2%	1%

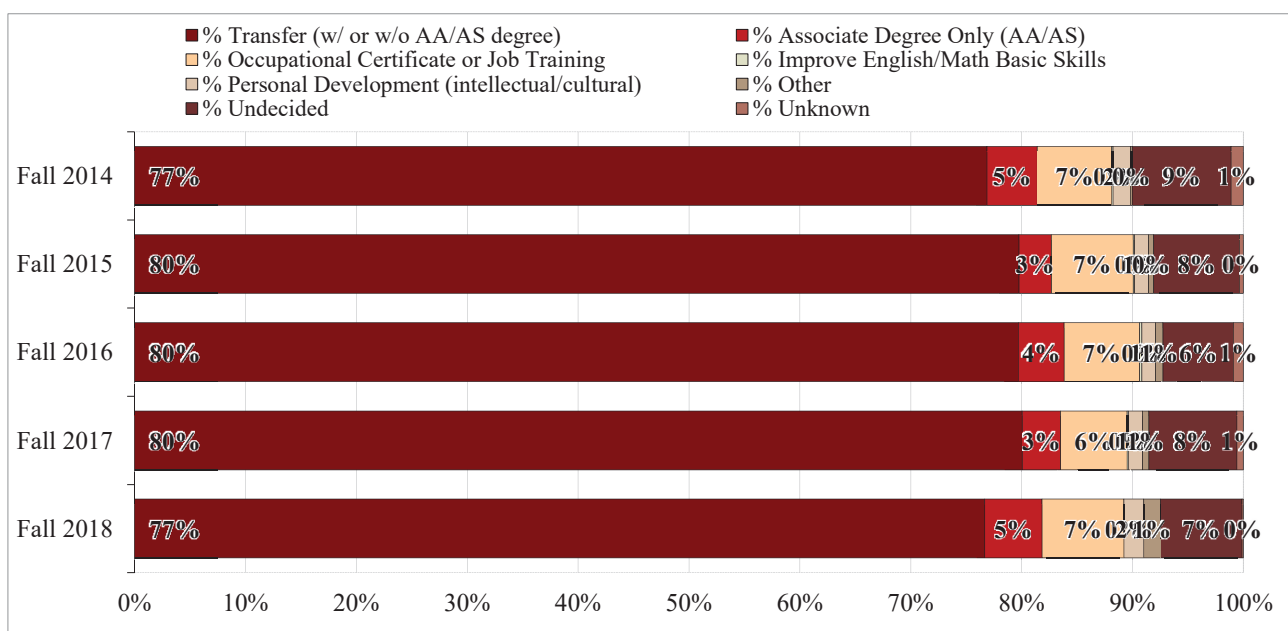


Definitions:

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

Student Educational Goal

Biological Sciences (BIO*)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Transfer (w/ or w/o AA/AS degree)	629	682	715	695	727
Associate Degree Only (AA/AS)	37	25	37	30	49
Occupational Certificate or Job Training	55	63	61	52	70
Improve English/Math Basic Skills	1	1	2	1	0
Personal Development (intellectual/cultural)	13	11	11	11	17
Other	1	4	6	5	14
Undecided	73	66	57	69	70
Unknown	9	3	8	5	1
% Transfer (w/ or w/o AA/AS degree)	77%	80%	80%	80%	77%
% Associate Degree Only (AA/AS)	5%	3%	4%	3%	5%
% Occupational Certificate or Job Training	7%	7%	7%	6%	7%
% Improve English/Math Basic Skills	<1%	<1%	<1%	<1%	0%
% Personal Development (intellectual/cultural)	2%	1%	1%	1%	2%
% Other	<1%	<1%	1%	1%	1%
% Undecided	9%	8%	6%	8%	7%
% 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.

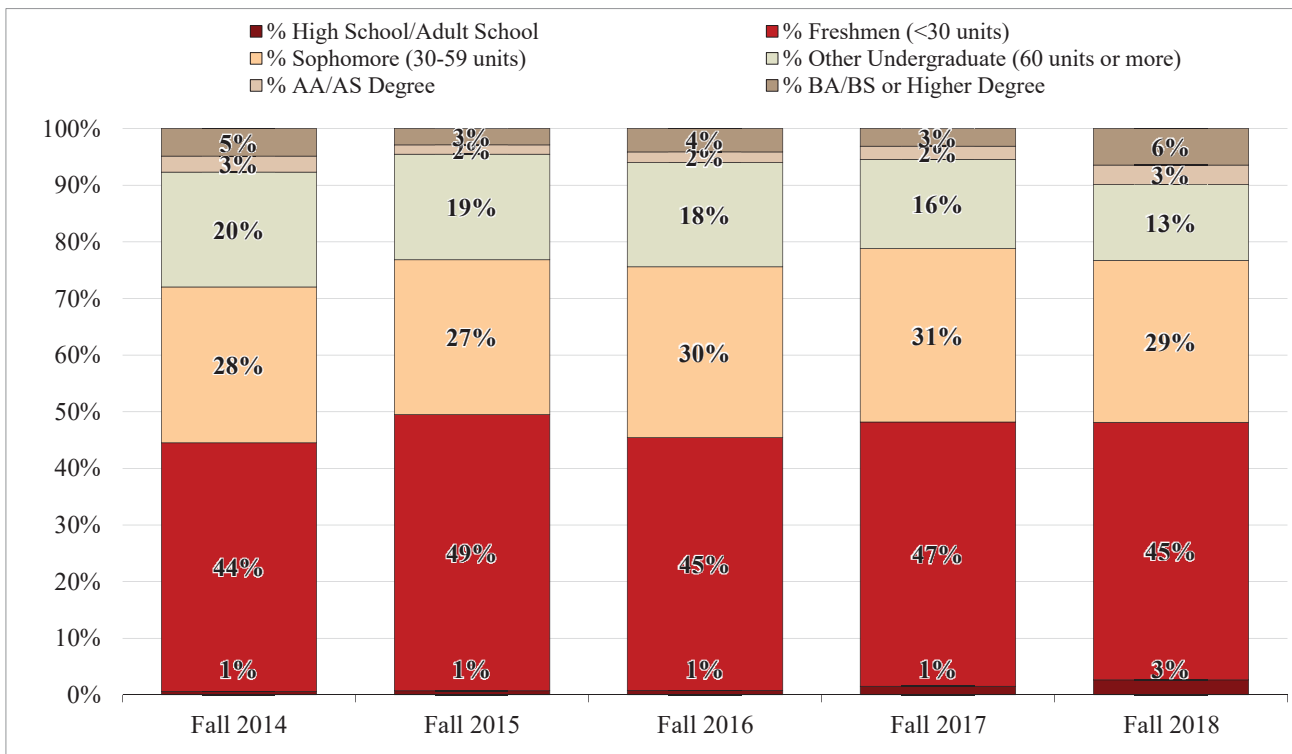
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

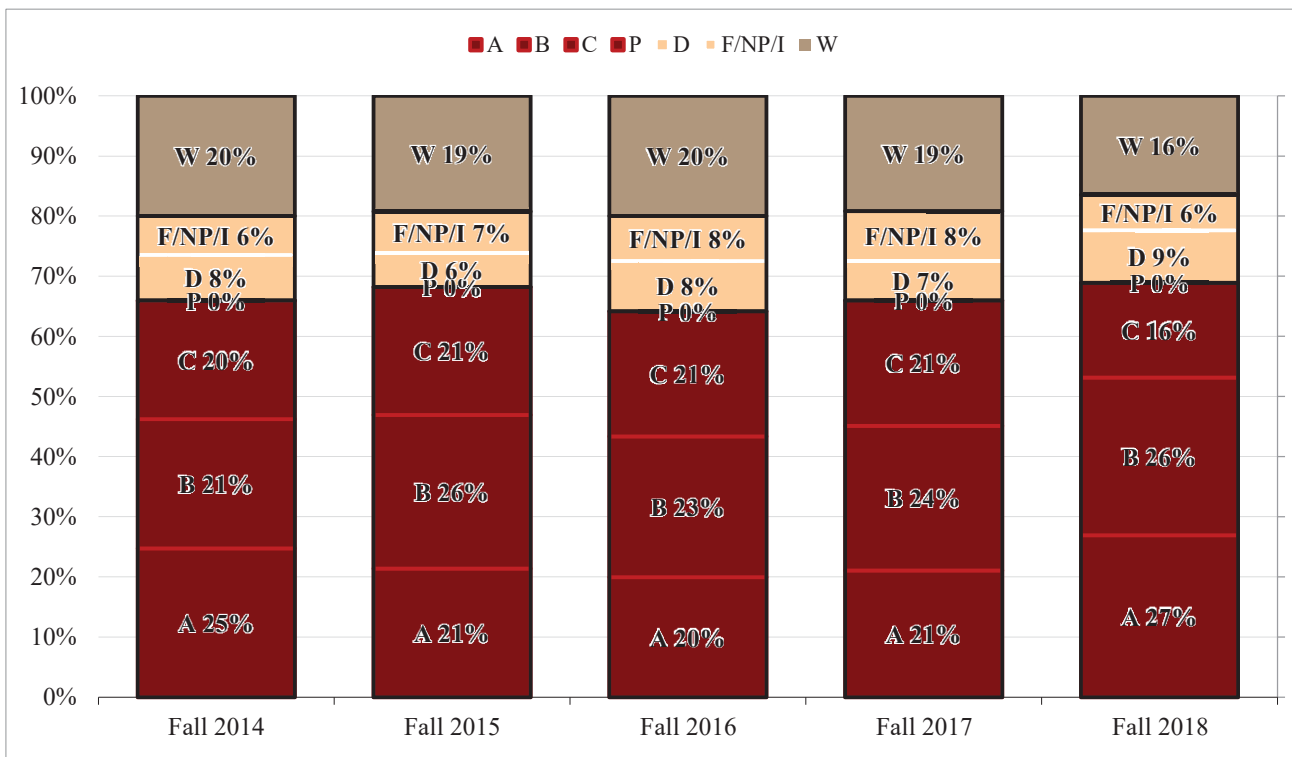
Highest Educational Level of Students

Biological Sciences (BIO*)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
High School/Adult School	5	6	7	13	25
Freshmen (<30 units)	359	417	400	405	431
Sophomore (30-59 units)	225	234	271	266	271
Other Undergraduate (60 units or more)	166	159	165	137	127
AA/AS Degree	23	14	17	20	33
BA/BS or Higher Degree	40	25	37	27	61
% High School/Adult School	1%	1%	1%	1%	3%
% Freshmen (<30 units)	44%	49%	45%	47%	45%
% Sophomore (30-59 units)	28%	27%	30%	31%	29%
% Other Undergraduate (60 units or more)	20%	19%	18%	16%	13%
% AA/AS Degree	3%	2%	2%	2%	3%
% BA/BS or Higher Degree	5%	3%	4%	3%	6%



Student Performance: Grade Distribution

Biological Sciences (BIO*)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Total Course Enrollments	820	884	932	902	984
Course Success Rates	66%	68%	64%	66%	69%
A	25%	21%	20%	21%	27%
B	21%	26%	23%	24%	26%
C	20%	21%	21%	21%	16%
P	<1%	0%	0%	0%	0%
Course Non-Success Rate	14%	13%	16%	15%	15%
D	8%	6%	8%	7%	9%
F/NP/I	6%	7%	8%	8%	6%
Withdrawals (W)	20%	19%	20%	19%	16%



Definitions:

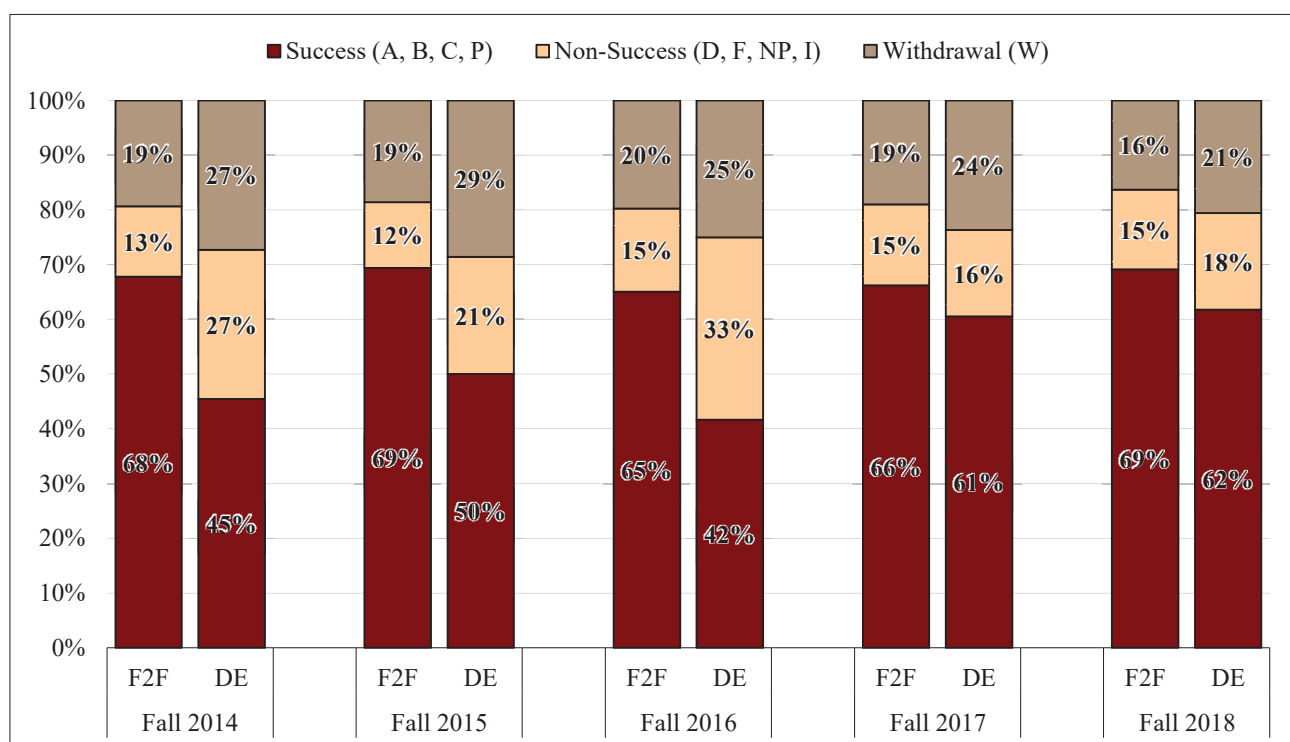
Course Success Rate is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

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.

Student Performance: Distance Education

Biological Sciences (BIO*)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Total Course Enrollments	820	884	932	902	984
Face-to-Face (F2F) Sections	754	828	896	864	950
Success Rates	68%	69%	65%	66%	69%
Non-Success Rates	13%	12%	15%	15%	15%
Withdrawals	19%	19%	20%	19%	16%
Distance Education (DE) Sections	66	56	36	38	34
Success Rates	45%	50%	42%	61%	62%
Non-Success Rates	27%	21%	33%	16%	18%
Withdrawals	27%	29%	25%	24%	21%



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.

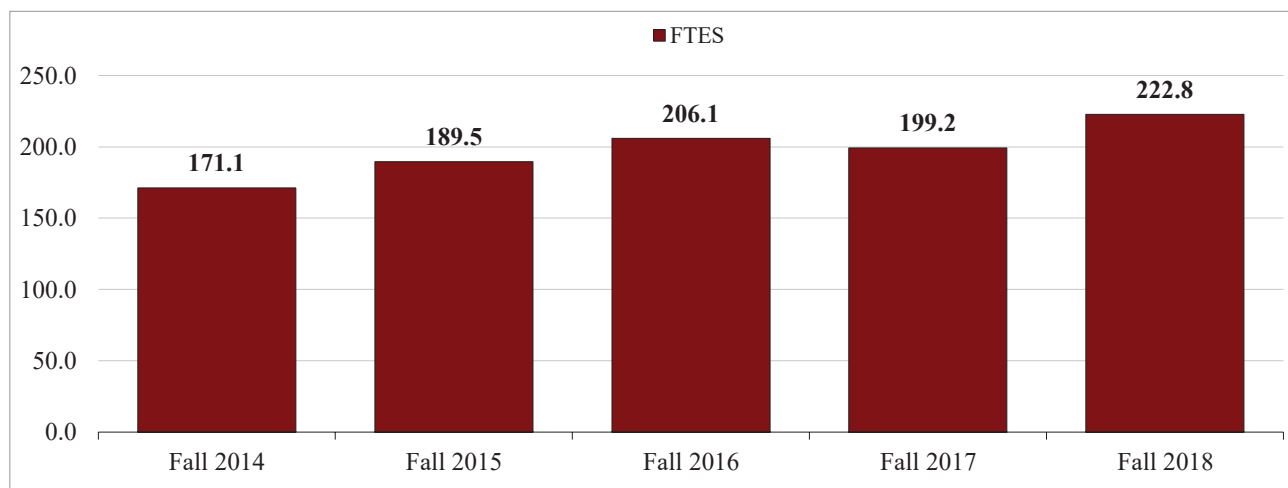
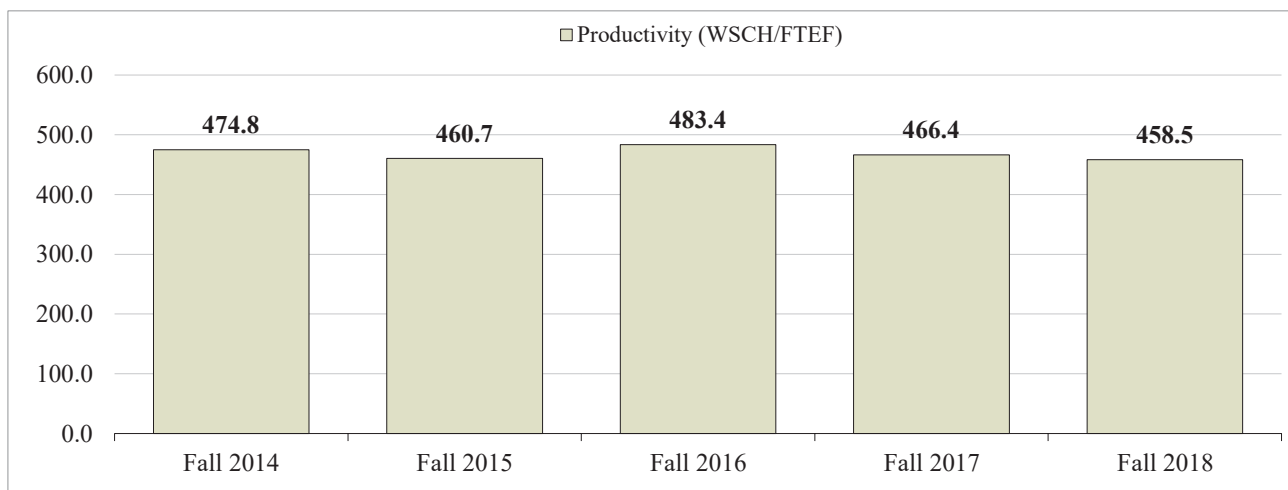
Course Non-Success Rate is the percentage of students receiving a grade of ('D', 'F', 'NP' or 'I') relative to all students receiving a grade.

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				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
WSCH	5,185	5,763	6,299	6,077	6,791
FTES	171.1	189.5	206.1	199.2	222.8
FTEF	10.9	12.5	13.0	13.0	14.8
Productivity (WSCH/FTEF)	474.8	460.7	483.4	466.4	458.5



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.

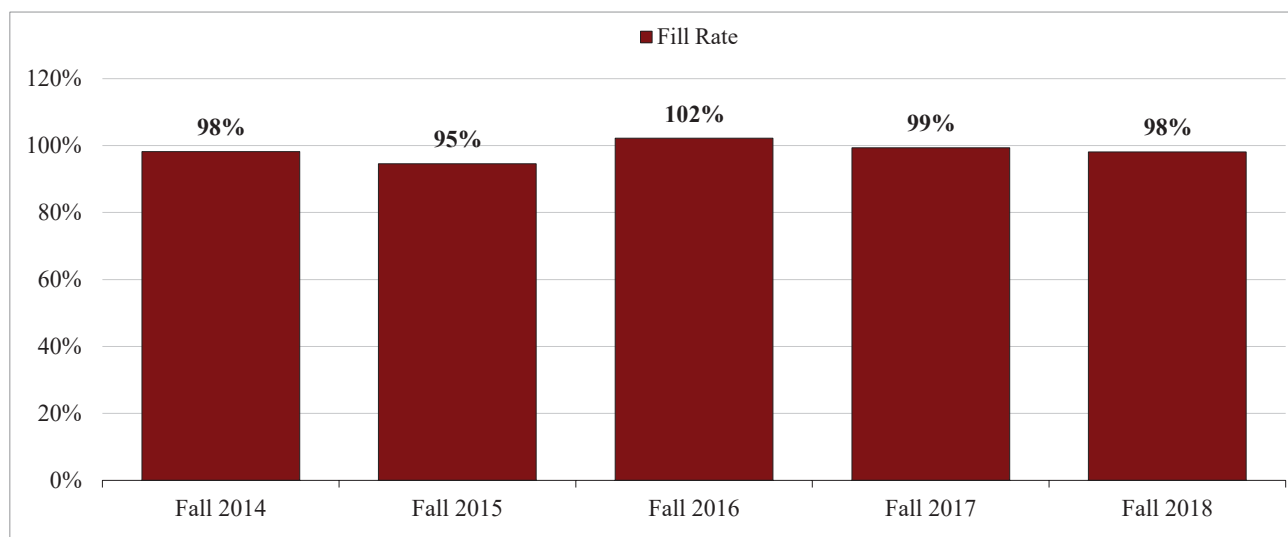
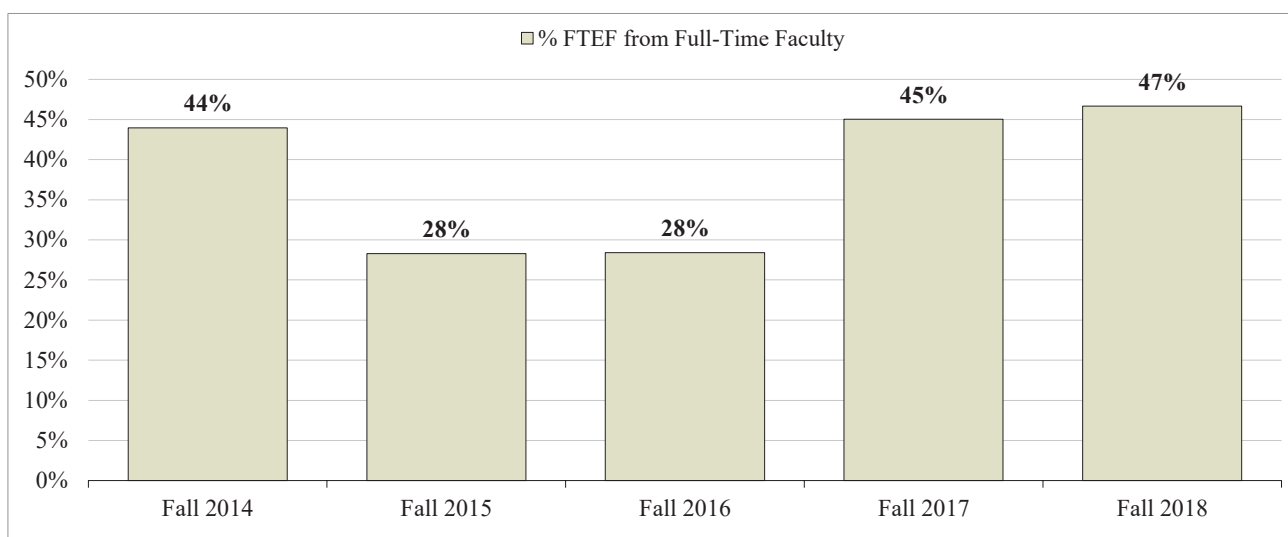
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
FTEF from Full-Time Faculty	4.8	3.5	3.7	5.9	6.9
% FTEF from Full-Time Faculty	44%	28%	28%	45%	47%
Enrollments	820	884	932	902	984
Capacity (seats available)	835	935	912	908	1,003
Fill Rate	98%	95%	102%	99%	98%



Definitions:

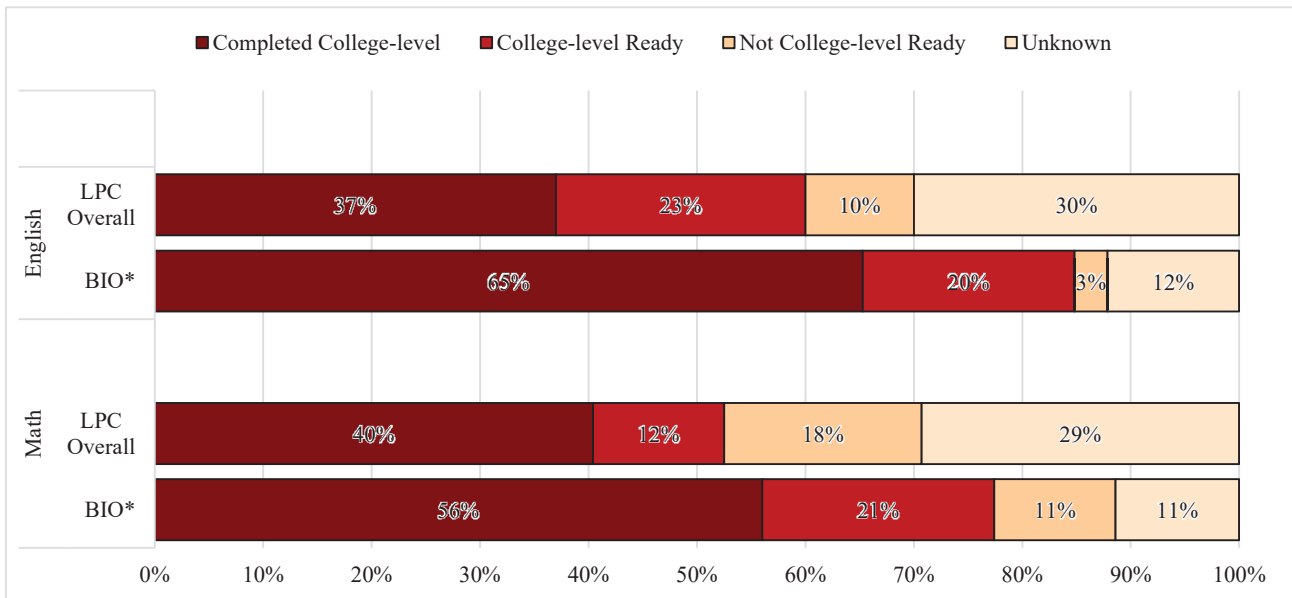
Fill Rate is number of enrollments over the total capacity (seats available).

% 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

Fall 2018				
	BIO*		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	619	65%	4,858	52%
College-level Ready	185	22%	2,005	22%
Not College-level Ready	29	3%	675	7%
Unknown	115	12%	1,776	19%
College Math				
Completed College-level	531	56%	4,134	44%
College-level Ready	203	21%	1,812	19%
Not College-level Ready	106	11%	1,583	17%
Unknown	108	11%	1,785	19%



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.