



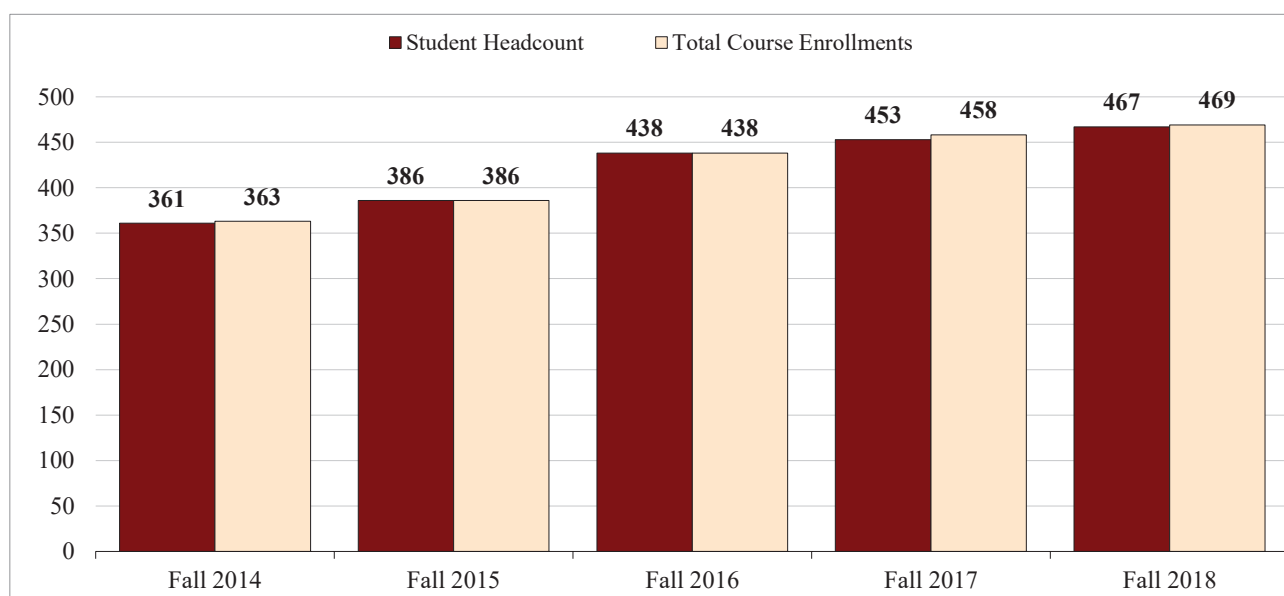
Las Positas College
Program Review Discipline Data Packet
Fall 2014 to Fall 2018

Discipline:
Chemistry (CHEM)

<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

Chemistry (CHEM)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Student Headcount	361	386	438	453	467
Total Course Enrollments	363	386	438	458	469



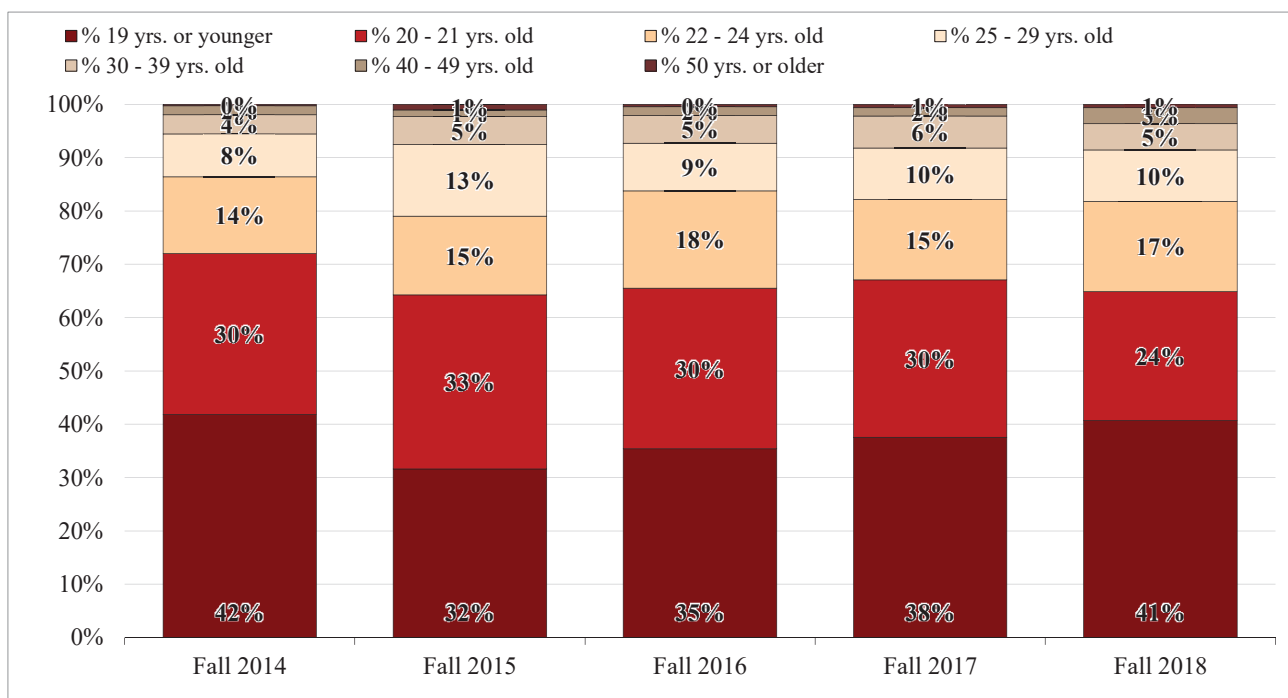
Definitions:

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.

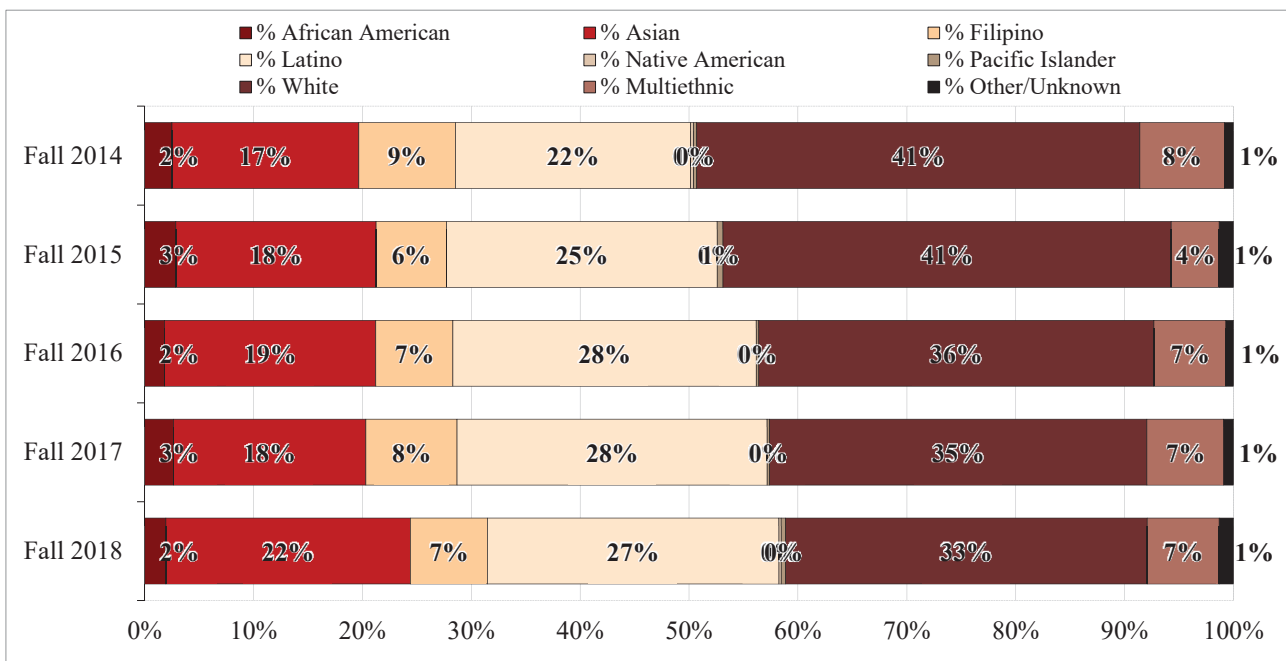
Student Demographics: Gender & Age

Chemistry (CHEM)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Female	188	198	233	242	253
Male	171	183	201	205	208
19 yrs. or younger	151	122	155	170	190
20-21 yrs. old	109	126	132	134	113
22-24 yrs. old	52	57	80	68	79
25-29 yrs. old	29	52	39	44	45
30-39 yrs. old	13	20	23	27	23
40-49 yrs. old	6	5	7	7	14
50 yrs. or older	1	4	2	3	3
% Female	52%	52%	54%	54%	55%
% Male	48%	48%	46%	46%	45%
% 19 yrs. or younger	42%	32%	35%	38%	41%
% 20 - 21 yrs. old	30%	33%	30%	30%	24%
% 22 - 24 yrs. old	14%	15%	18%	15%	17%
% 25 - 29 yrs. old	8%	13%	9%	10%	10%
% 30 - 39 yrs. old	4%	5%	5%	6%	5%
% 40 - 49 yrs. old	2%	1%	2%	2%	3%
% 50 yrs. or older	<1%	1%	<1%	1%	1%



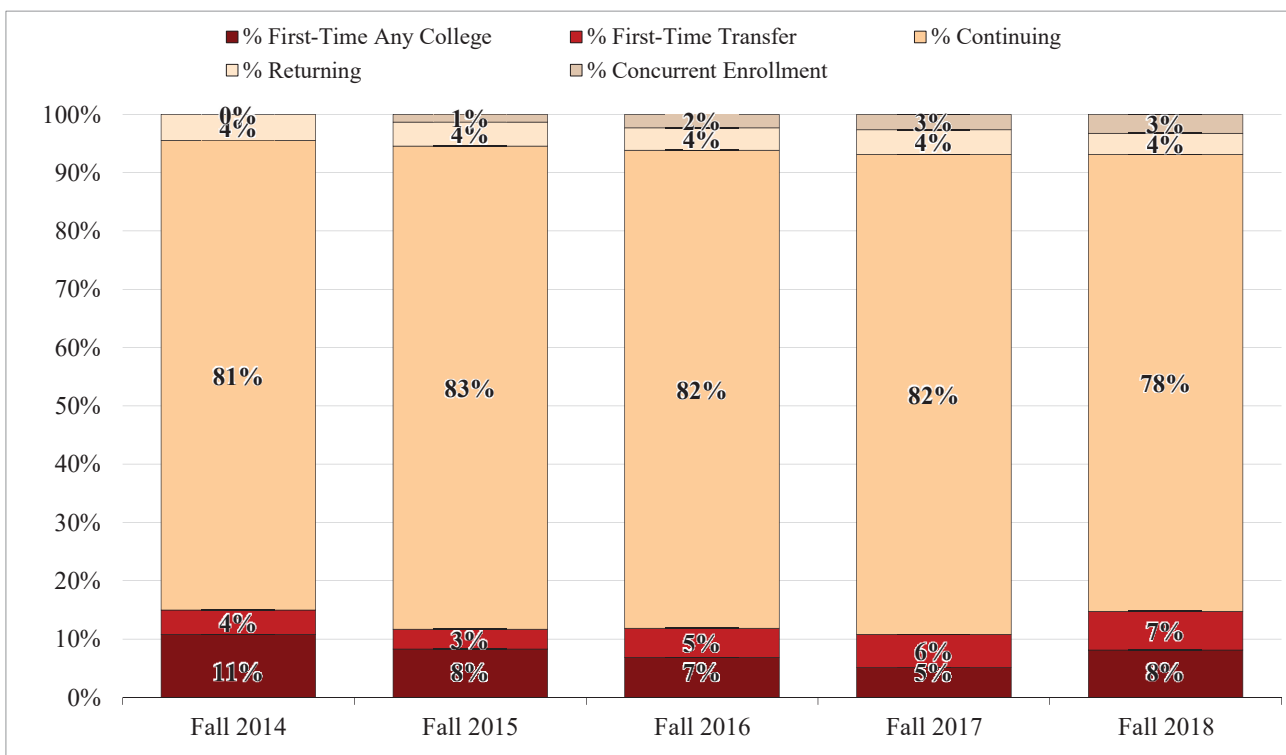
Student Demographic: Race-Ethnicity

Chemistry (CHEM)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
African American	9	11	8	12	9
Asian	62	71	85	80	105
Filipino	32	25	31	38	33
Latino	78	96	122	129	125
Native American	1	0	0	0	1
Pacific Islander	1	2	1	1	2
White	147	159	159	157	155
Multiethnic	28	17	29	32	31
Other/Unknown	3	5	3	4	6
% African American	2%	3%	2%	3%	2%
% Asian	17%	18%	19%	18%	22%
% Filipino	9%	6%	7%	8%	7%
% Latino	22%	25%	28%	28%	27%
% Native American	<1%	0%	0%	0%	<1%
% Pacific Islander	<1%	1%	<1%	<1%	<1%
% White	41%	41%	36%	35%	33%
% Multiethnic	8%	4%	7%	7%	7%
% Other/Unknown	1%	1%	1%	1%	1%



Student Enrollment Status

Chemistry (CHEM)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
First-Time Any College	39	32	30	23	38
First-Time Transfer	15	13	22	26	31
Continuing	291	320	359	373	366
Returning	16	16	17	19	17
Concurrent Enrollment	0	5	10	12	15
% First-Time Any College	11%	8%	7%	5%	8%
% First-Time Transfer	4%	3%	5%	6%	7%
% Continuing	81%	83%	82%	82%	78%
% Returning	4%	4%	4%	4%	4%
% Concurrent Enrollment	0%	1%	2%	3%	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.

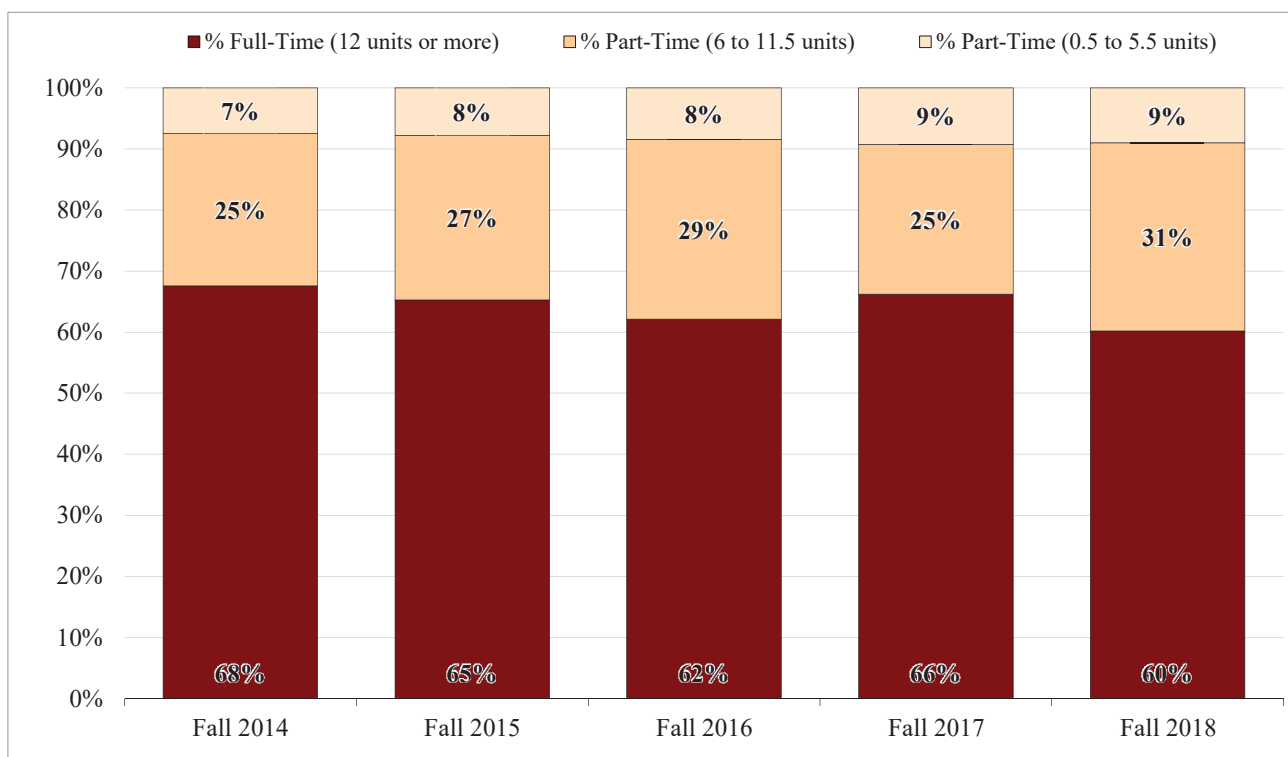
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

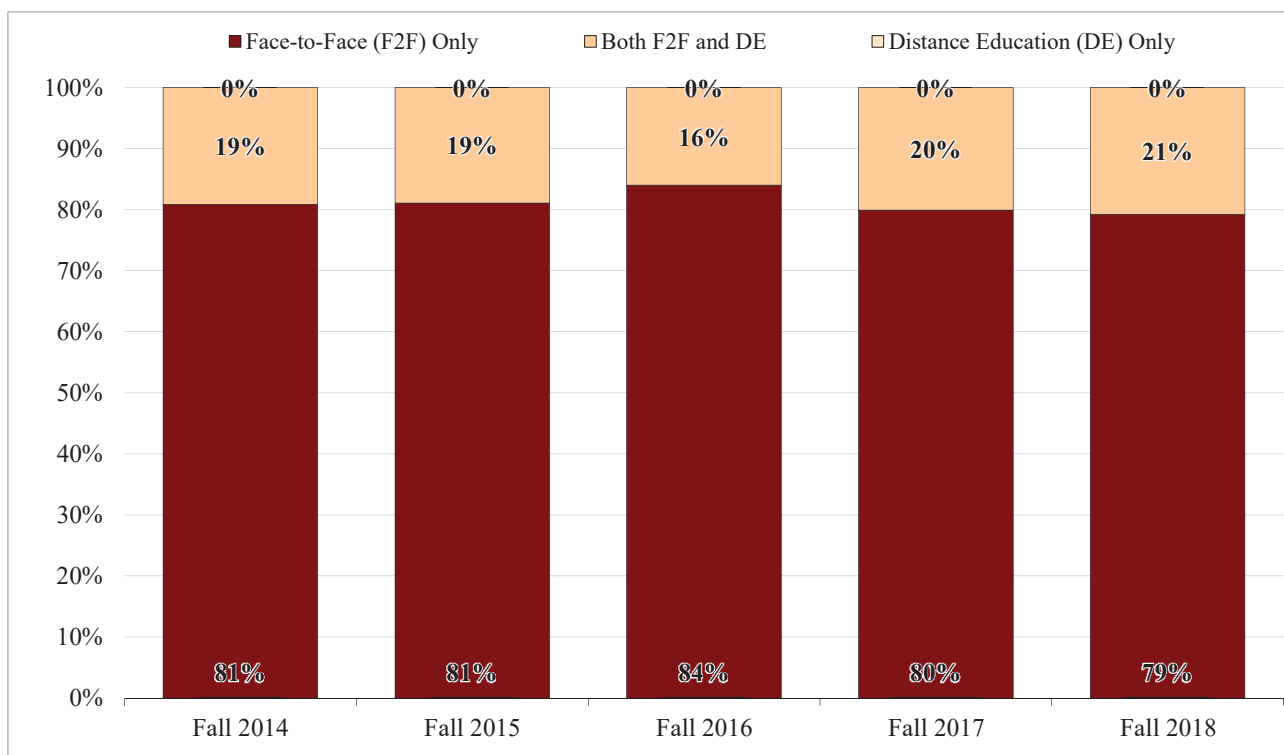
Student Unit Load

Chemistry (CHEM)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Full-Time (12 units or more)	244	252	272	300	281
Part-Time (6 to 11.5 units)	90	104	129	111	144
Part-Time (0.5 to 5.5 units)	27	30	37	42	42
% Full-Time (12 units or more)	68%	65%	62%	66%	60%
% Part-Time (6 to 11.5 units)	25%	27%	29%	25%	31%
% Part-Time (0.5 to 5.5 units)	7%	8%	8%	9%	9%



Students Using Distance Education

Chemistry (CHEM)					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Face-to-Face (F2F) Only	292	313	368	362	370
Both F2F and DE	69	73	70	91	97
Distance Education (DE) Only	0	0	0	0	0
% Face-to-Face (F2F) Only	81%	81%	84%	80%	79%
% Both F2F and DE	19%	19%	16%	20%	21%
% Distance Education (DE) Only	0%	0%	0%	0%	0%

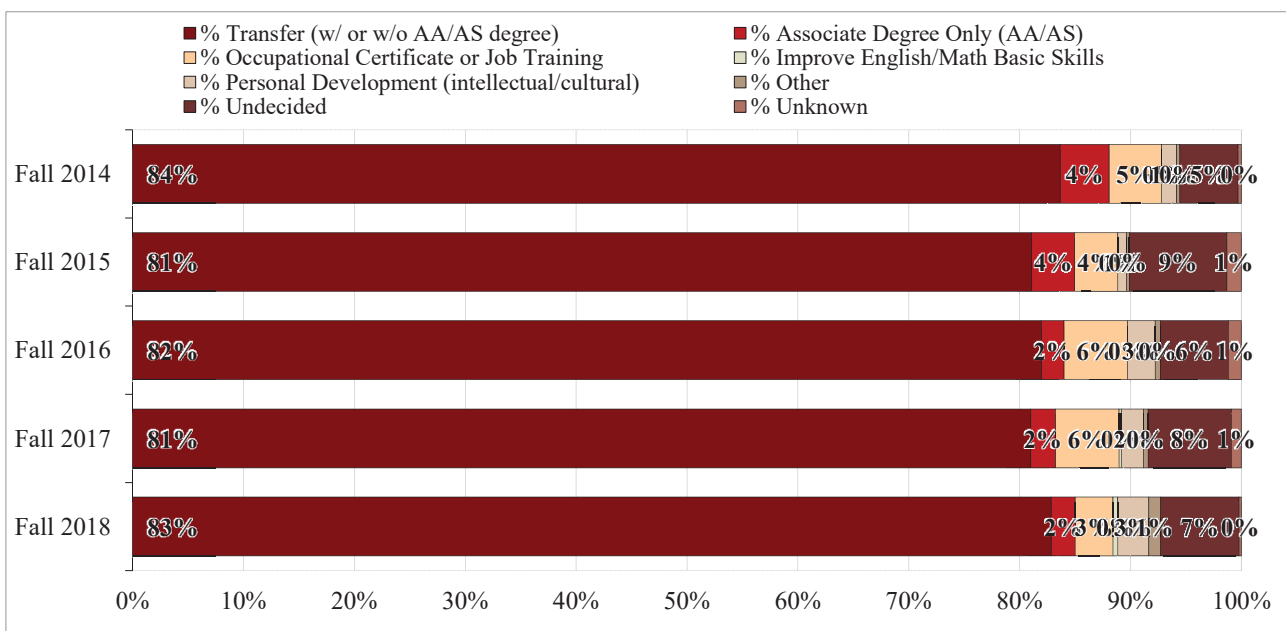


Definitions:

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

Student Educational Goal

Chemistry (CHEM)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Transfer (w/ or w/o AA/AS degree)	302	313	359	367	387
Associate Degree Only (AA/AS)	16	15	9	10	10
Occupational Certificate or Job Training	17	15	25	26	16
Improve English/Math Basic Skills	0	0	0	1	2
Personal Development (intellectual/cultural)	5	3	11	9	13
Other	1	1	2	2	5
Undecided	19	34	27	34	33
Unknown	1	5	5	4	1
% Transfer (w/ or w/o AA/AS degree)	84%	81%	82%	81%	83%
% Associate Degree Only (AA/AS)	4%	4%	2%	2%	2%
% Occupational Certificate or Job Training	5%	4%	6%	6%	3%
% Improve English/Math Basic Skills	0%	0%	0%	<1%	<1%
% Personal Development (intellectual/cultural)	1%	1%	3%	2%	3%
% Other	<1%	<1%	<1%	<1%	1%
% Undecided	5%	9%	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.

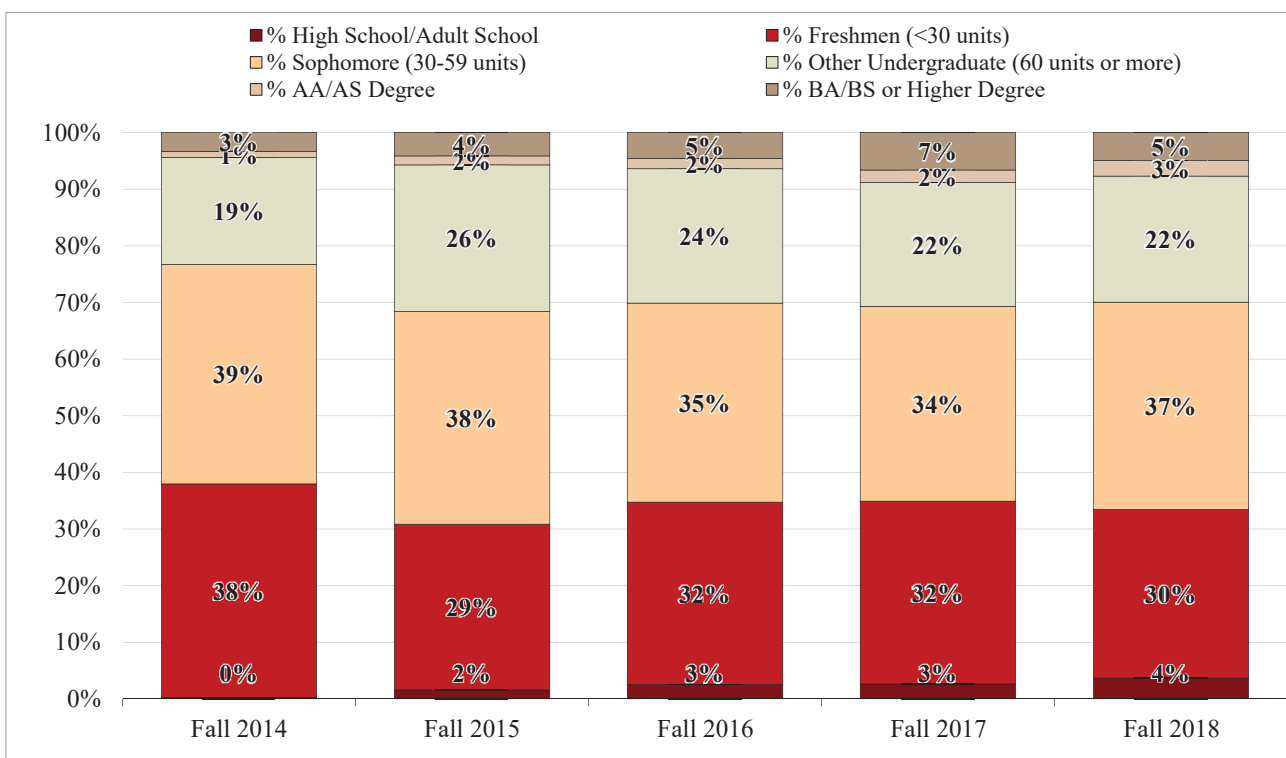
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

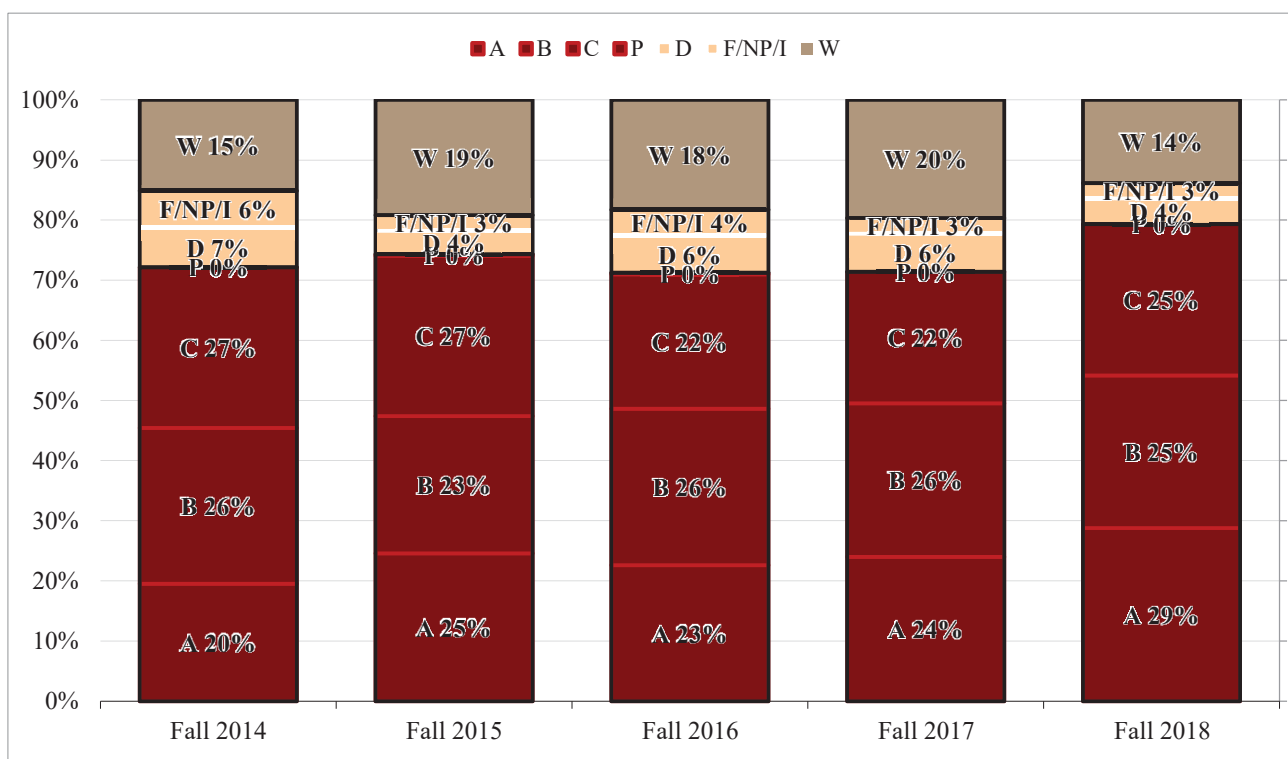
Highest Educational Level of Students

Chemistry (CHEM)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
High School/Adult School	1	6	11	12	17
Freshmen (<30 units)	136	113	141	146	139
Sophomore (30-59 units)	140	145	154	156	171
Other Undergraduate (60 units or more)	68	100	104	99	104
AA/AS Degree	4	6	8	10	13
BA/BS or Higher Degree	12	16	20	30	23
% High School/Adult School	<1%	2%	3%	3%	4%
% Freshmen (<30 units)	38%	29%	32%	32%	30%
% Sophomore (30-59 units)	39%	38%	35%	34%	37%
% Other Undergraduate (60 units or more)	19%	26%	24%	22%	22%
% AA/AS Degree	1%	2%	2%	2%	3%
% BA/BS or Higher Degree	3%	4%	5%	7%	5%



Student Performance: Grade Distribution

Chemistry (CHEM)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Total Course Enrollments	363	386	438	458	469
Course Success Rates	72%	74%	71%	71%	79%
A	20%	25%	23%	24%	29%
B	26%	23%	26%	26%	25%
C	27%	27%	22%	22%	25%
P	0%	<1%	<1%	0%	0%
Course Non-Success Rate	13%	6%	11%	9%	7%
D	7%	4%	6%	6%	4%
F/NP/I	6%	3%	4%	3%	3%
Withdrawals (W)	15%	19%	18%	20%	14%



Definitions:

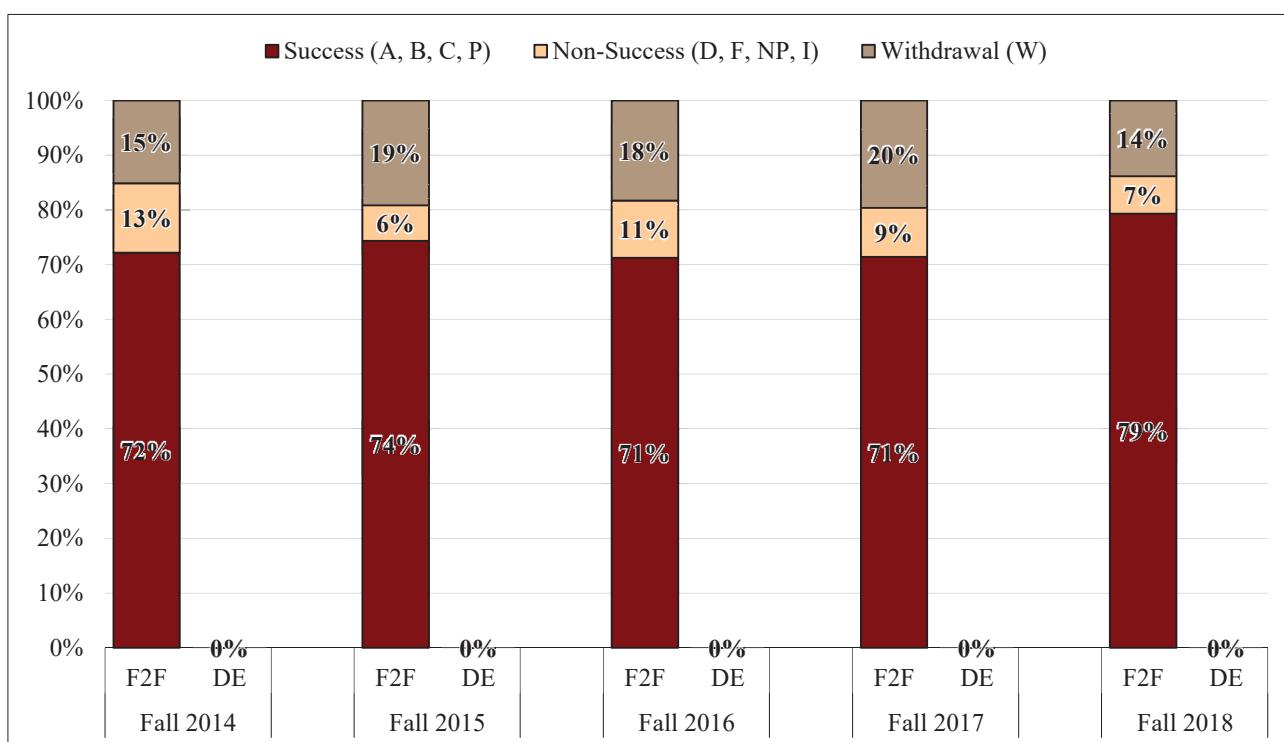
Course Success Rate is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

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

Chemistry (CHEM)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Total Course Enrollments	363	386	438	458	469
Face-to-Face (F2F) Sections	363	386	438	458	469
Success Rates	72%	74%	71%	71%	79%
Non-Success Rates	13%	6%	11%	9%	7%
Withdrawals	15%	19%	18%	20%	14%
Distance Education (DE) Sections	—	—	—	—	—
Success Rates	—	—	—	—	—
Non-Success Rates	—	—	—	—	—
Withdrawals	—	—	—	—	—



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.

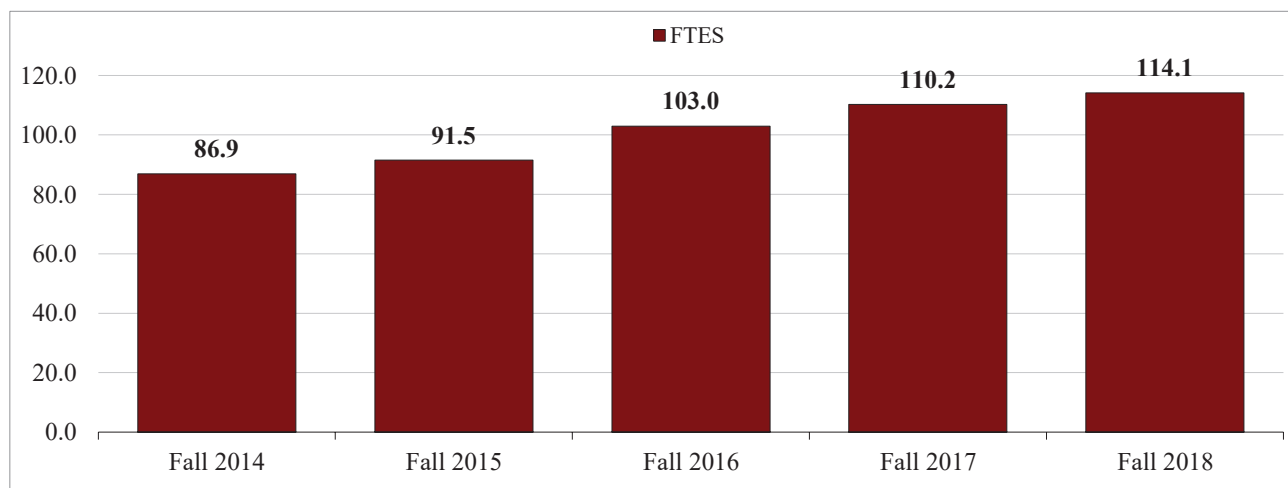
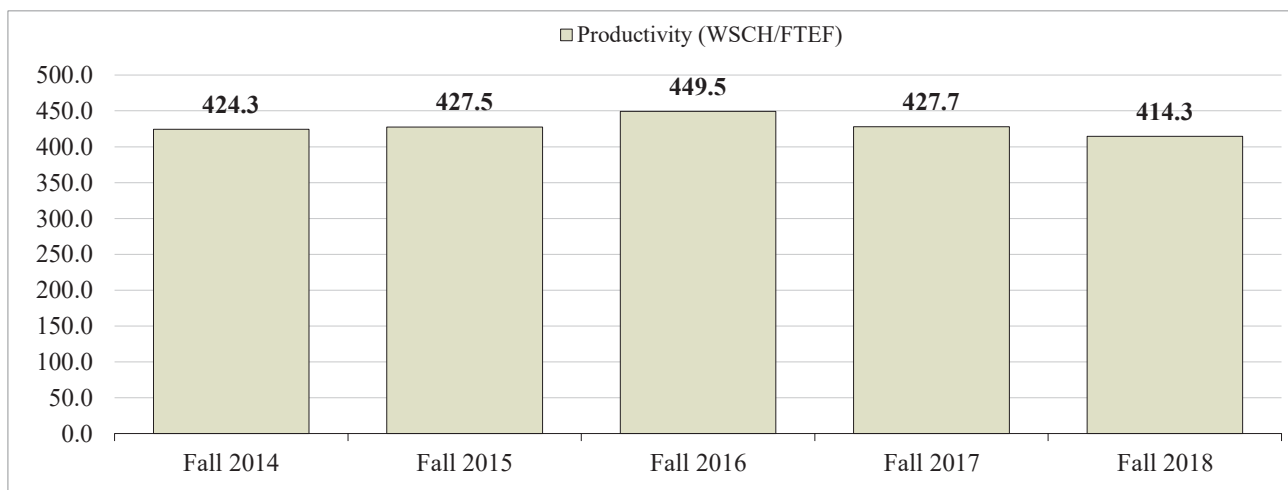
Course Non-Success Rate is the percentage of students receiving a grade of ('D', 'F', 'NP' or 'I') relative to all students receiving a grade.

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

Chemistry (CHEM)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
WSCH	2,652	2,832	3,225	3,379	3,501
FTES	86.9	91.5	103.0	110.2	114.1
FTEF	6.3	6.6	7.2	7.9	8.5
Productivity (WSCH/FTEF)	424.3	427.5	449.5	427.7	414.3



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.

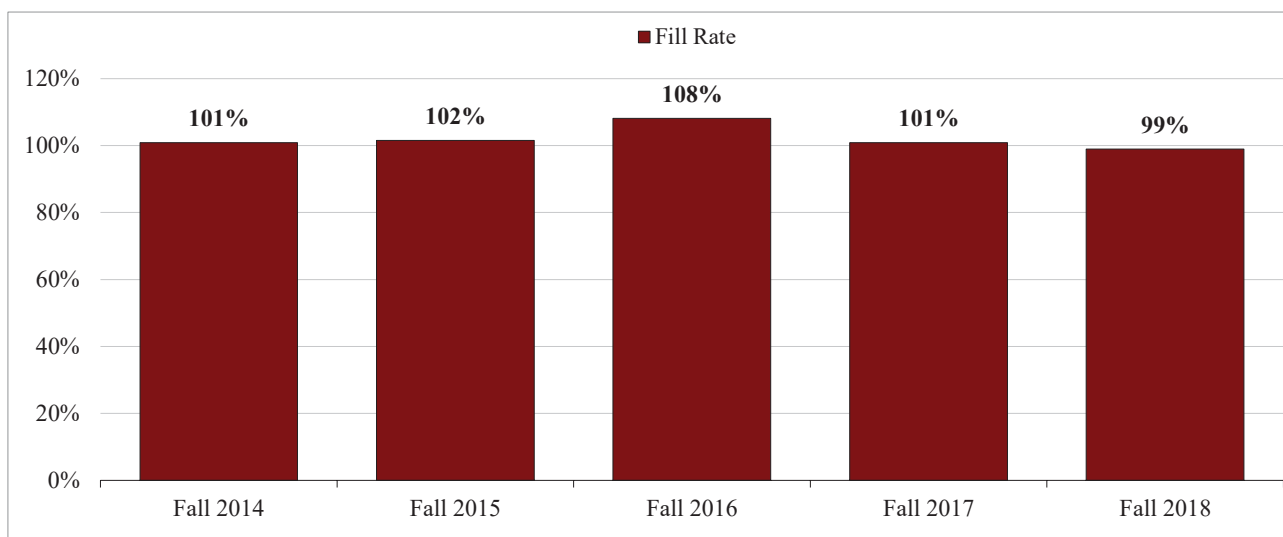
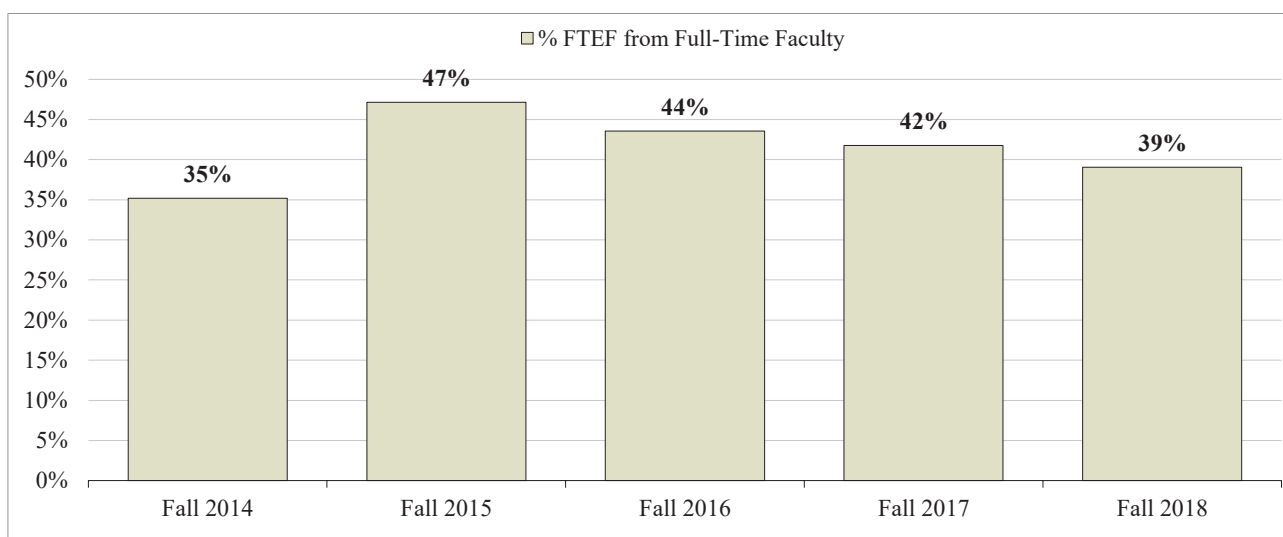
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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

Chemistry (CHEM)					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
FTEF from Full-Time Faculty	2.2	3.1	3.1	3.3	3.3
% FTEF from Full-Time Faculty	35%	47%	44%	42%	39%
Enrollments	363	386	438	458	469
Capacity (seats available)	360	380	405	454	474
Fill Rate	101%	102%	108%	101%	99%



Definitions:

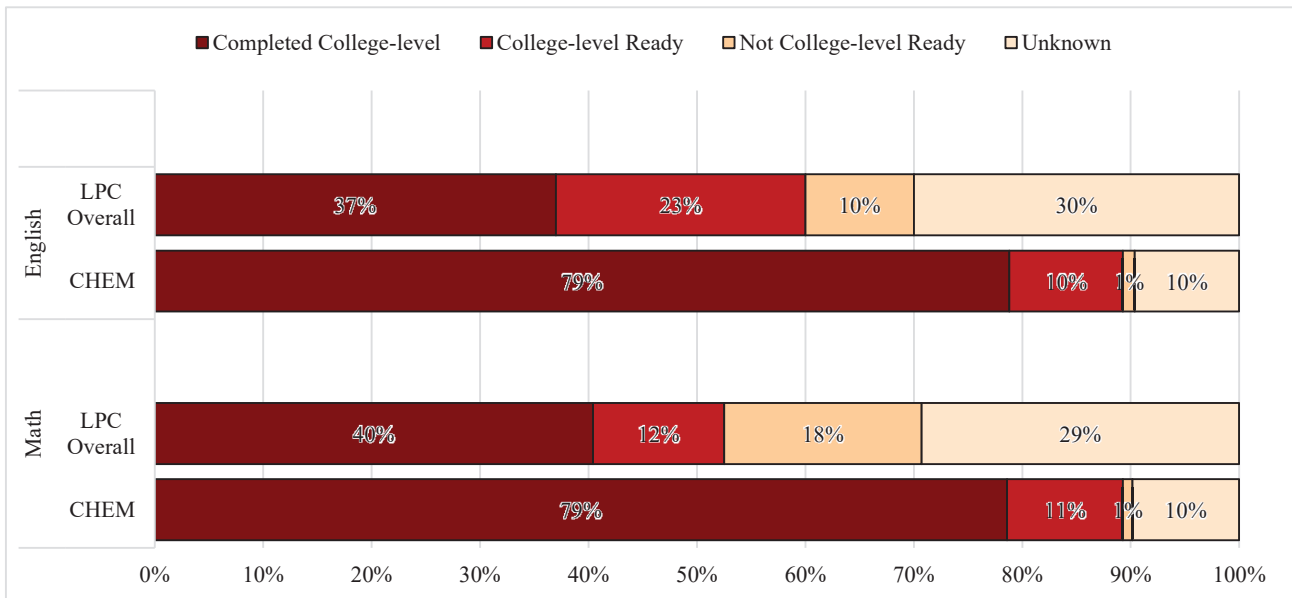
Fill Rate is number of enrollments over the total capacity (seats available).

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

College Readiness: English & Math Proficiency

Fall 2018				
	CHEM		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	368	79%	4,858	52%
College-level Ready	49	11%	2,005	22%
Not College-level Ready	5	1%	675	7%
Unknown	45	10%	1,776	19%
College Math				
Completed College-level	367	79%	4,134	44%
College-level Ready	50	11%	1,812	19%
Not College-level Ready	4	1%	1,583	17%
Unknown	46	10%	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.