



Las Positas College
Program Review Discipline Data Packet
Fall 2015 to Fall 2019

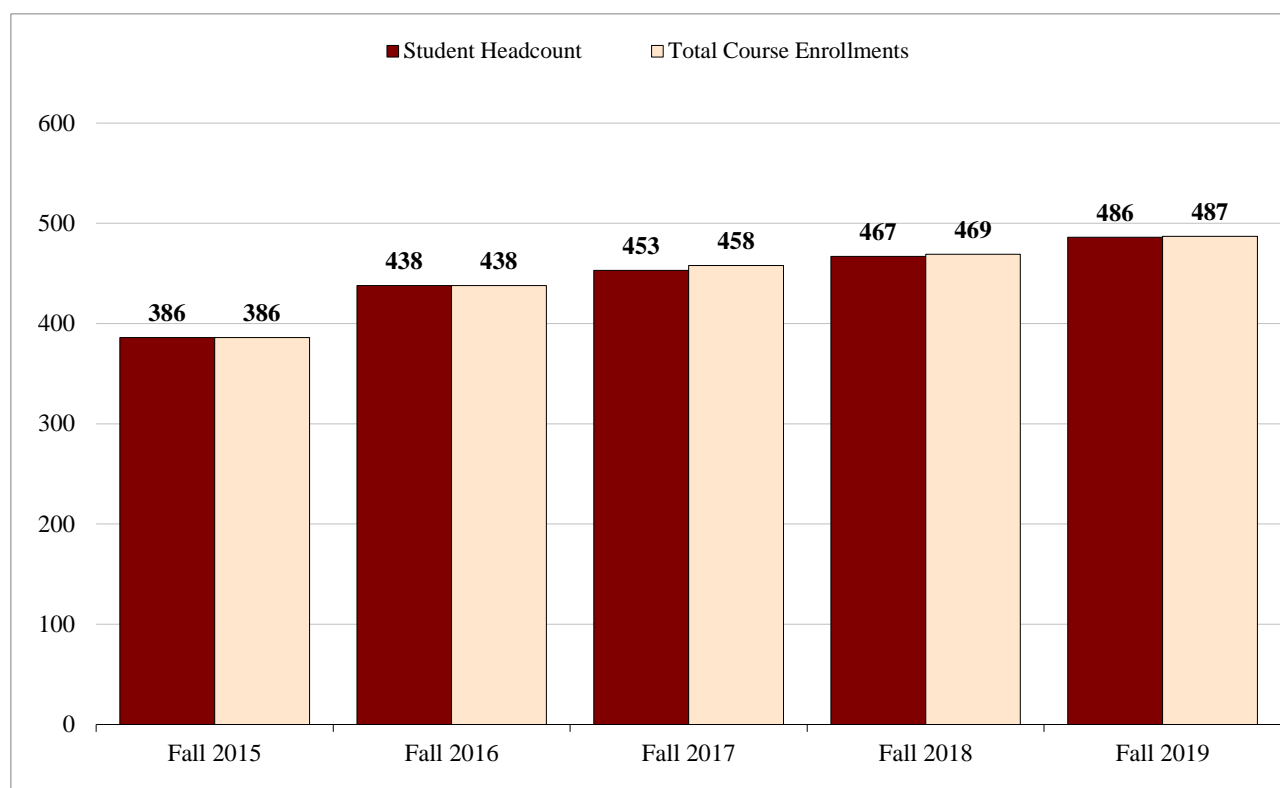
Discipline:
Chemistry (CHEM)

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NOTE: ^ next to rubric / subject code indicates that the report combines data for related credit and non-credit rubrics

Headcount & Enrollment

Chemistry (CHEM)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Student Headcount	386	438	453	467	486
Total Course Enrollments	386	438	458	469	487



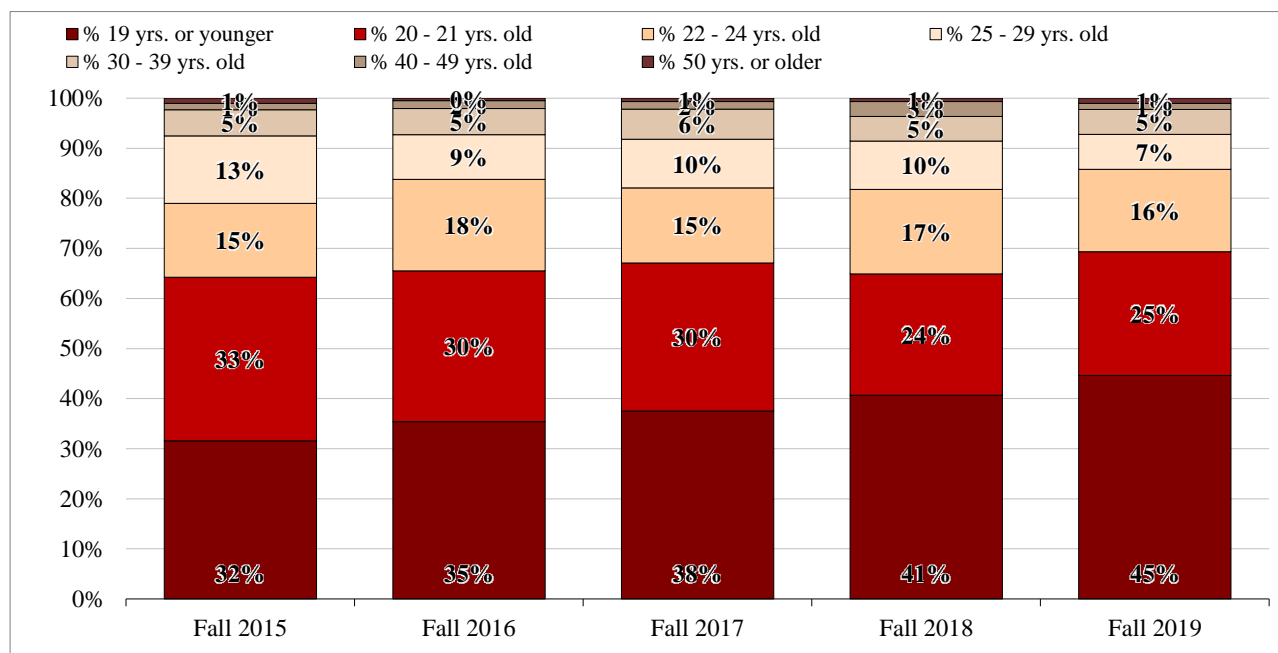
Definitions:

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.

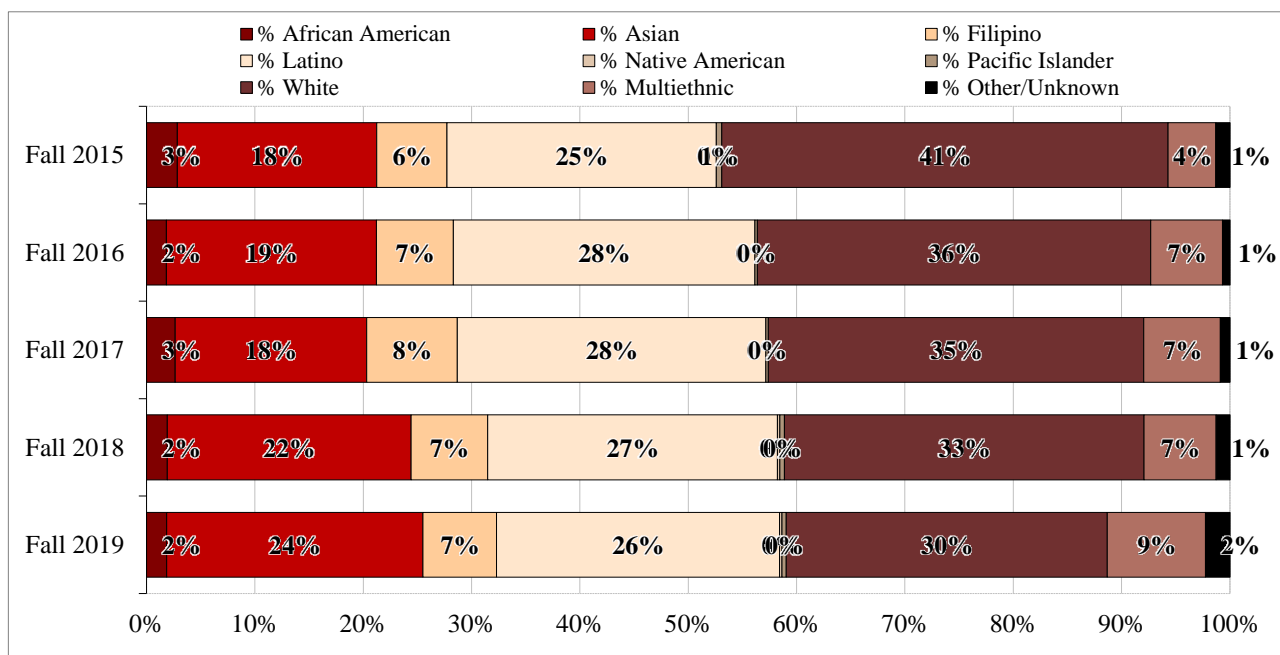
Student Demographics: Gender & Age

Chemistry (CHEM)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Female	198	233	242	253	274
Male	183	201	205	208	205
19 yrs. or younger	122	155	170	190	217
20-21 yrs. old	126	132	134	113	120
22-24 yrs. old	57	80	68	79	80
25-29 yrs. old	52	39	44	45	34
30-39 yrs. old	20	23	27	23	24
40-49 yrs. old	5	7	7	14	6
50 yrs. or older	4	2	3	3	5
% Female	52%	54%	54%	55%	57%
% Male	48%	46%	46%	45%	43%
% 19 yrs. or younger	32%	35%	38%	41%	45%
% 20 - 21 yrs. old	33%	30%	30%	24%	25%
% 22 - 24 yrs. old	15%	18%	15%	17%	16%
% 25 - 29 yrs. old	13%	9%	10%	10%	7%
% 30 - 39 yrs. old	5%	5%	6%	5%	5%
% 40 - 49 yrs. old	1%	2%	2%	3%	1%
% 50 yrs. or older	1%	<1%	1%	1%	1%



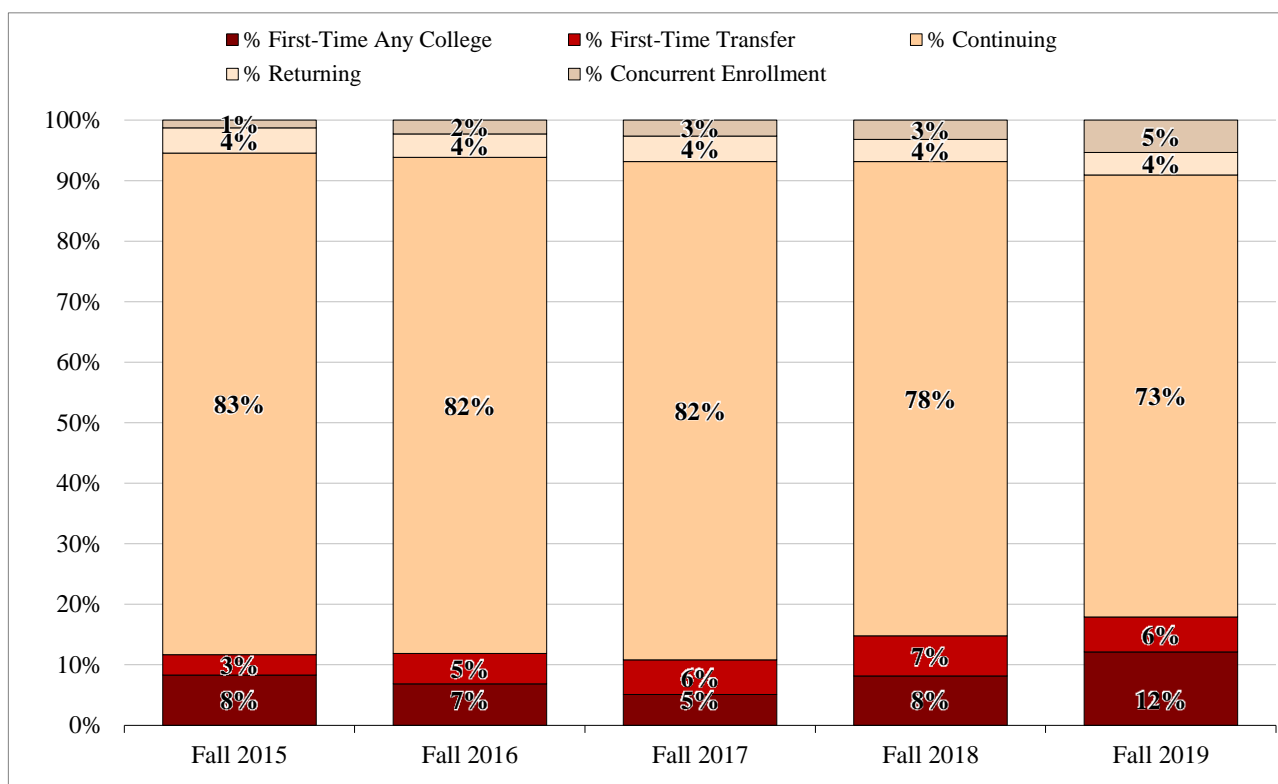
Student Demographic: Race-Ethnicity

Chemistry (CHEM)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
African American	11	8	12	9	9
Asian	71	85	80	105	115
Filipino	25	31	38	33	33
Latino	96	122	129	125	127
Native American	0	0	0	1	1
Pacific Islander	2	1	1	2	2
White	159	159	157	155	144
Multiethnic	17	29	32	31	44
Other/Unknown	5	3	4	6	11
% African American	3%	2%	3%	2%	2%
% Asian	18%	19%	18%	22%	24%
% Filipino	6%	7%	8%	7%	7%
% Latino	25%	28%	28%	27%	26%
% Native American	0%	0%	0%	<1%	<1%
% Pacific Islander	1%	<1%	<1%	<1%	<1%
% White	41%	36%	35%	33%	30%
% Multiethnic	4%	7%	7%	7%	9%
% Other/Unknown	1%	1%	1%	1%	2%



Student Enrollment Status

Chemistry (CHEM)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
First-Time Any College	32	30	23	38	59
First-Time Transfer	13	22	26	31	28
Continuing	320	359	373	366	355
Returning	16	17	19	17	18
Concurrent Enrollment	5	10	12	15	26
% First-Time Any College	8%	7%	5%	8%	12%
% First-Time Transfer	3%	5%	6%	7%	6%
% Continuing	83%	82%	82%	78%	73%
% Returning	4%	4%	4%	4%	4%
% Concurrent Enrollment	1%	2%	3%	3%	5%



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.

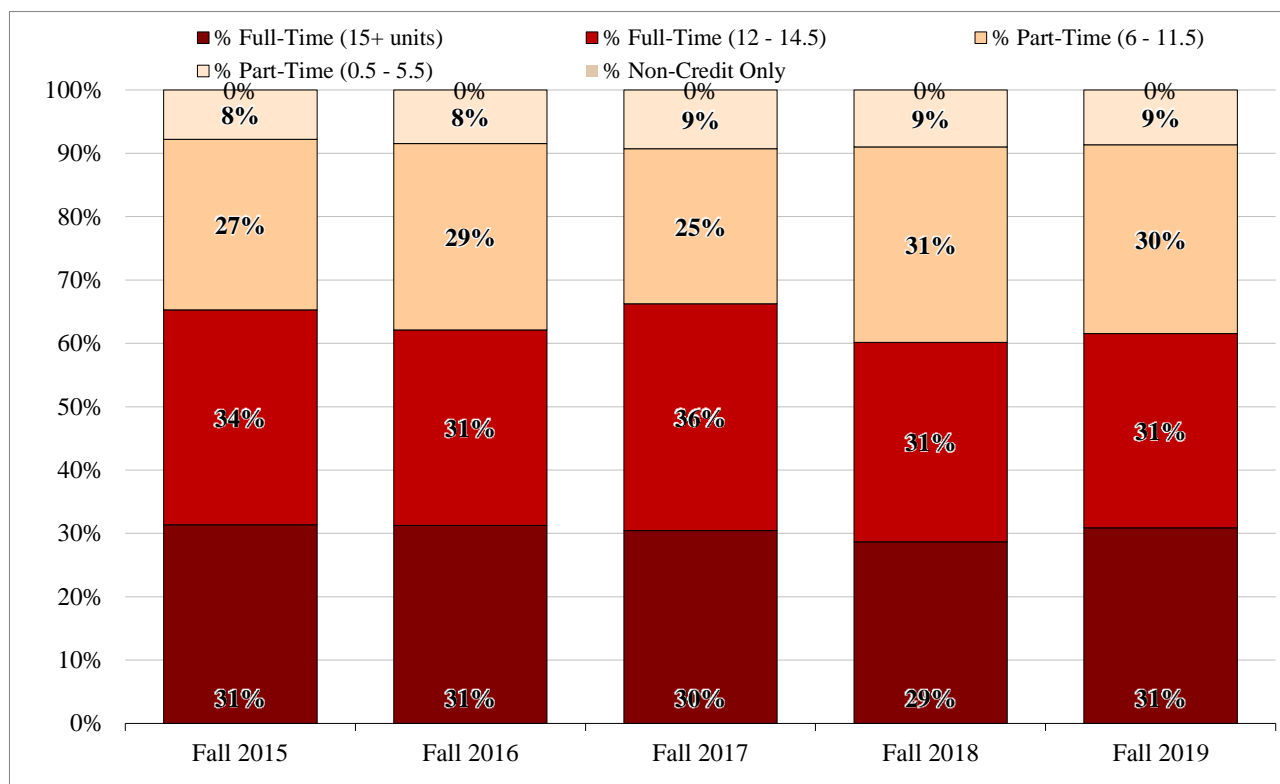
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

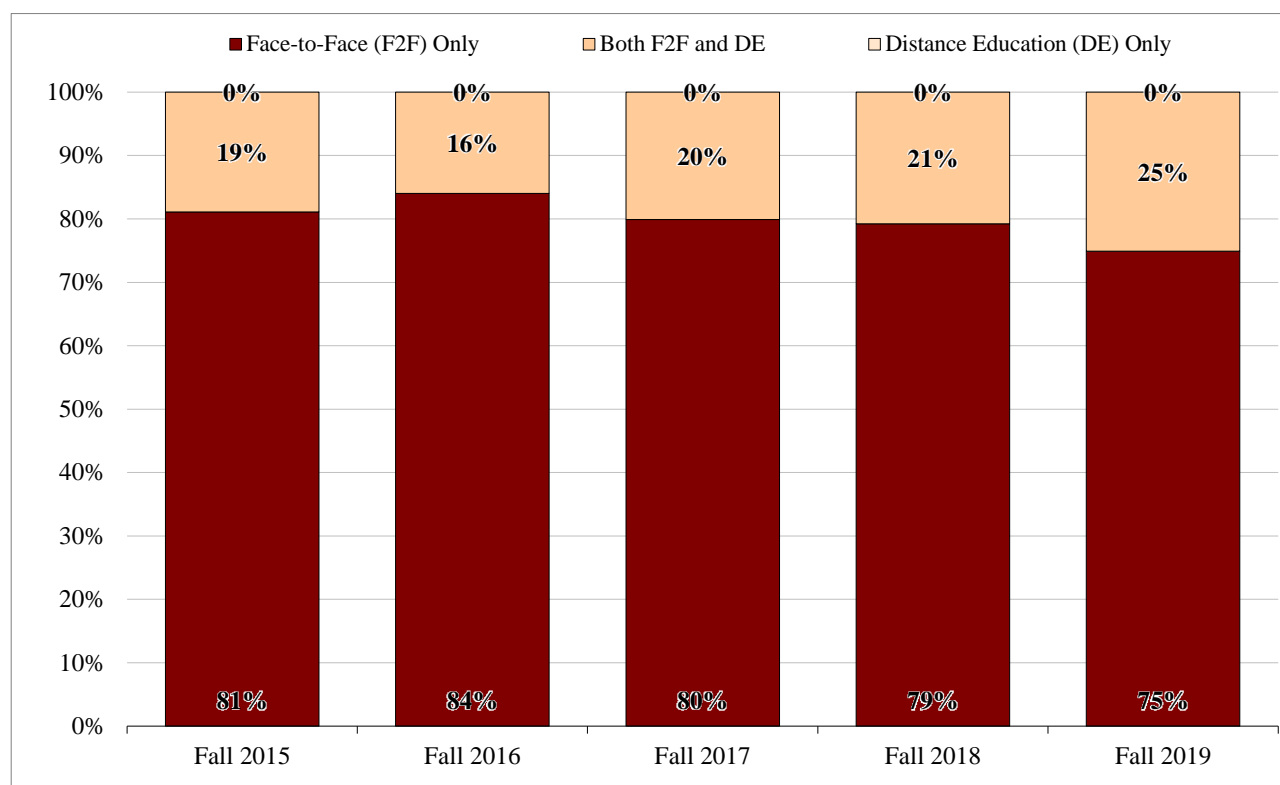
Student Unit Load

Chemistry (CHEM)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Full-Time (15+ units)	121	137	138	134	150
Full-Time (12 - 14.5)	131	135	162	147	149
Part-Time (6 - 11.5)	104	129	111	144	145
Part-Time (0.5 - 5.5)	30	37	42	42	42
Non-Credit Only	—	—	—	—	—
% Full-Time (15+ units)	31%	31%	30%	29%	31%
% Full-Time (12 - 14.5)	34%	31%	36%	31%	31%
% Part-Time (6 - 11.5)	27%	29%	25%	31%	30%
% Part-Time (0.5 - 5.5)	8%	8%	9%	9%	9%
% Non-Credit Only	—	—	—	—	—



Students Using Distance Education

Chemistry (CHEM)					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Face-to-Face (F2F) Only	313	368	362	370	364
Both F2F and DE	73	70	91	97	122
Distance Education (DE) Only	0	0	0	0	0
% Face-to-Face (F2F) Only	81%	84%	80%	79%	75%
% Both F2F and DE	19%	16%	20%	21%	25%
% Distance Education (DE) Only	0%	0%	0%	0%	0%

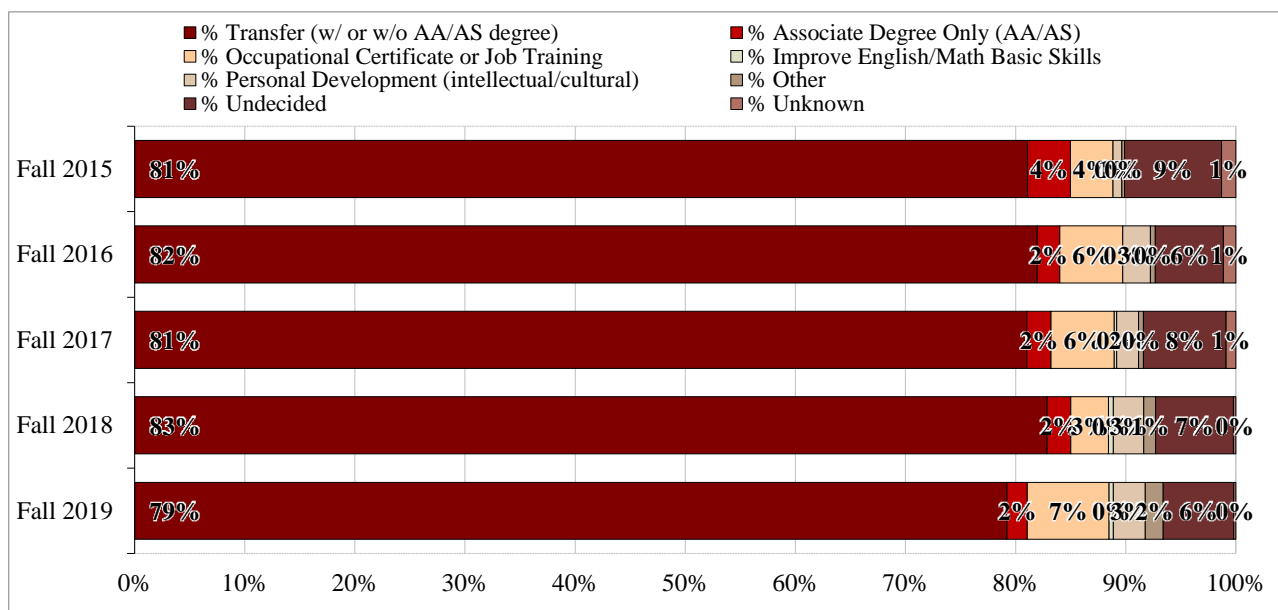


Definitions:

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

Student Educational Goal

Chemistry (CHEM)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Transfer (w/ or w/o AA/AS degree)	313	359	367	387	385
Associate Degree Only (AA/AS)	15	9	10	10	9
Occupational Certificate or Job Training	15	25	26	16	36
Improve English/Math Basic Skills	0	0	1	2	2
Personal Development (intellectual/cultural)	3	11	9	13	14
Other	1	2	2	5	8
Undecided	34	27	34	33	31
Unknown	5	5	4	1	1
% Transfer (w/ or w/o AA/AS degree)	81%	82%	81%	83%	79%
% Associate Degree Only (AA/AS)	4%	2%	2%	2%	2%
% Occupational Certificate or Job Training	4%	6%	6%	3%	7%
% Improve English/Math Basic Skills	0%	0%	<1%	<1%	<1%
% Personal Development (intellectual/cultural)	1%	3%	2%	3%	3%
% Other	<1%	<1%	<1%	1%	2%
% Undecided	9%	6%	8%	7%	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.

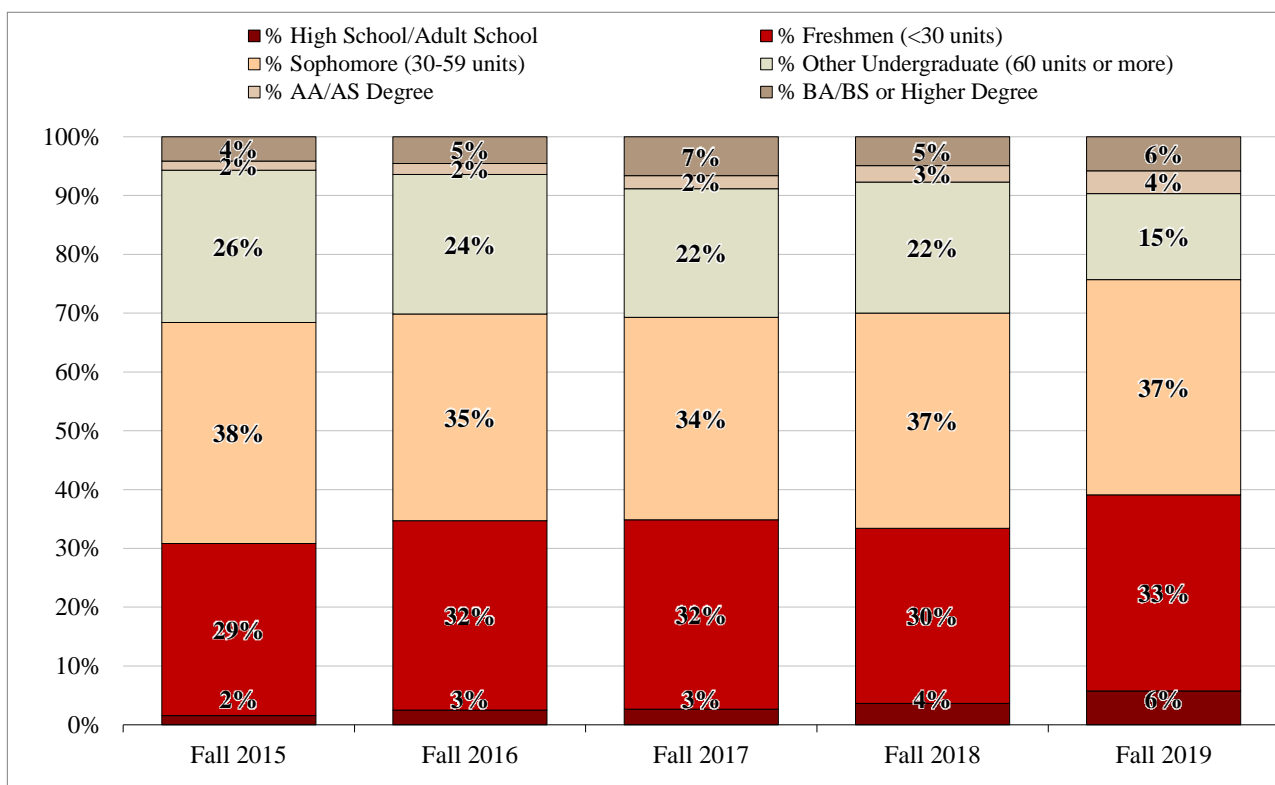
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

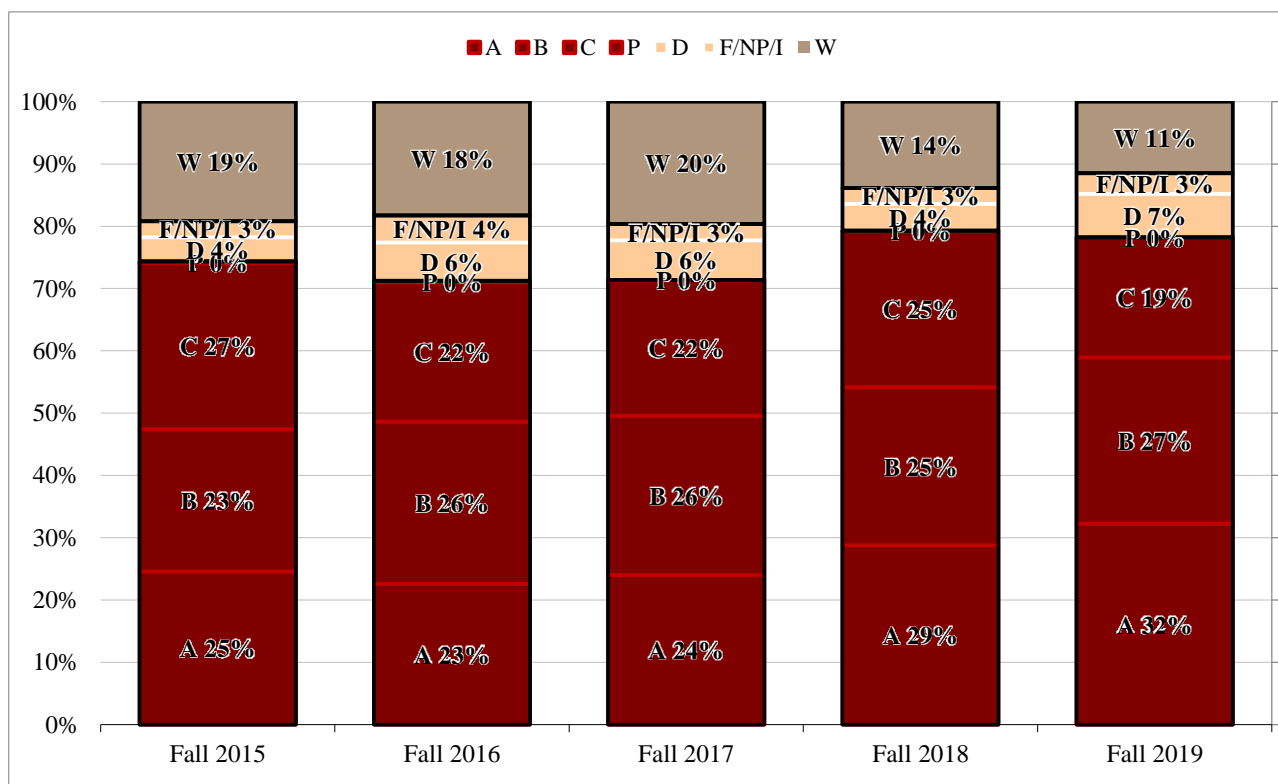
Highest Educational Level of Students

Chemistry (CHEM)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
High School/Adult School	6	11	12	17	28
Freshmen (<30 units)	113	141	146	139	162
Sophomore (30-59 units)	145	154	156	171	178
Other Undergraduate (60 units or more)	100	104	99	104	71
AA/AS Degree	6	8	10	13	19
BA/BS or Higher Degree	16	20	30	23	28
% High School/Adult School	2%	3%	3%	4%	6%
% Freshmen (<30 units)	29%	32%	32%	30%	33%
% Sophomore (30-59 units)	38%	35%	34%	37%	37%
% Other Undergraduate (60 units or more)	26%	24%	22%	22%	15%
% AA/AS Degree	2%	2%	2%	3%	4%
% BA/BS or Higher Degree	4%	5%	7%	5%	6%



Student Performance: Grade Distribution

Chemistry (CHEM)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Total Course Enrollments	386	438	458	469	487
Course Success Rates	74%	71%	71%	79%	78%
A	25%	23%	24%	29%	32%
B	23%	26%	26%	25%	27%
C	27%	22%	22%	25%	19%
P	<1%	<1%	0%	0%	0%
Course Non-Success Rate	6%	11%	9%	7%	10%
D	4%	6%	6%	4%	7%
F/NP/I	3%	4%	3%	3%	3%
Withdrawals (W)	19%	18%	20%	14%	11%



Definitions:

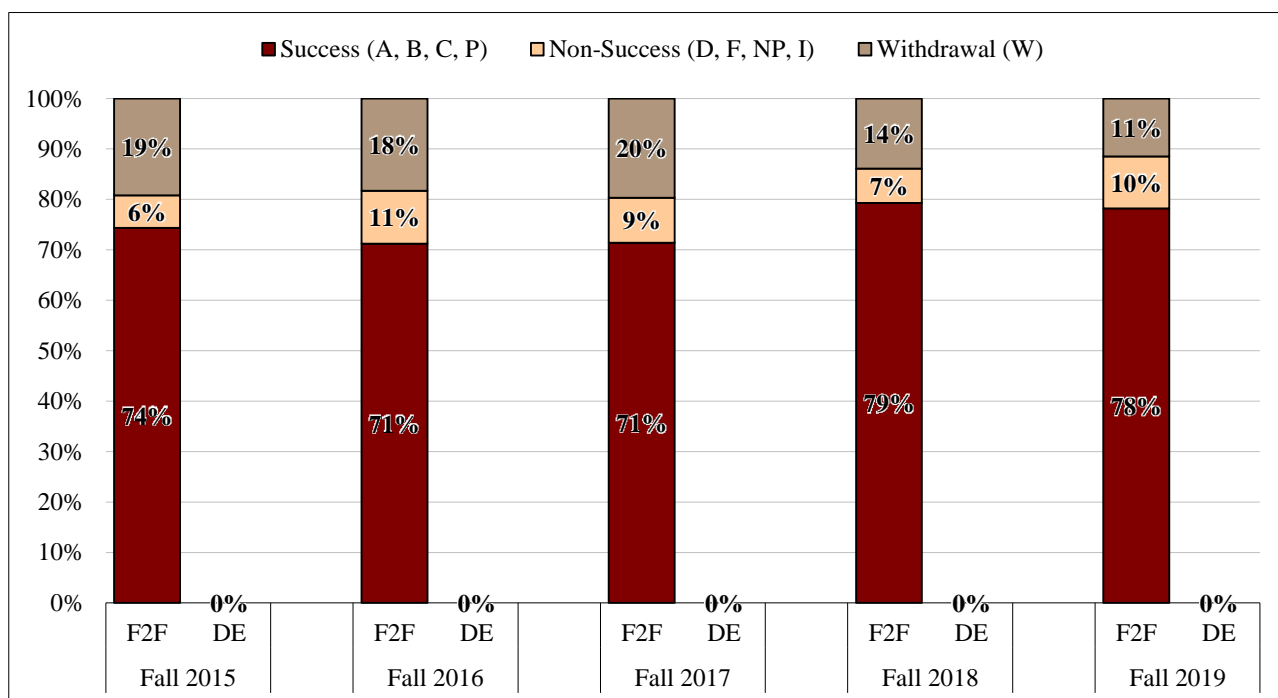
Course Success Rate is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

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

Chemistry (CHEM)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Total Course Enrollments	386	438	458	469	487
Face-to-Face (F2F) Sections	386	438	458	469	487
Success Rates	74%	71%	71%	79%	78%
Non-Success Rates	6%	11%	9%	7%	10%
Withdrawals	19%	18%	20%	14%	11%
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.

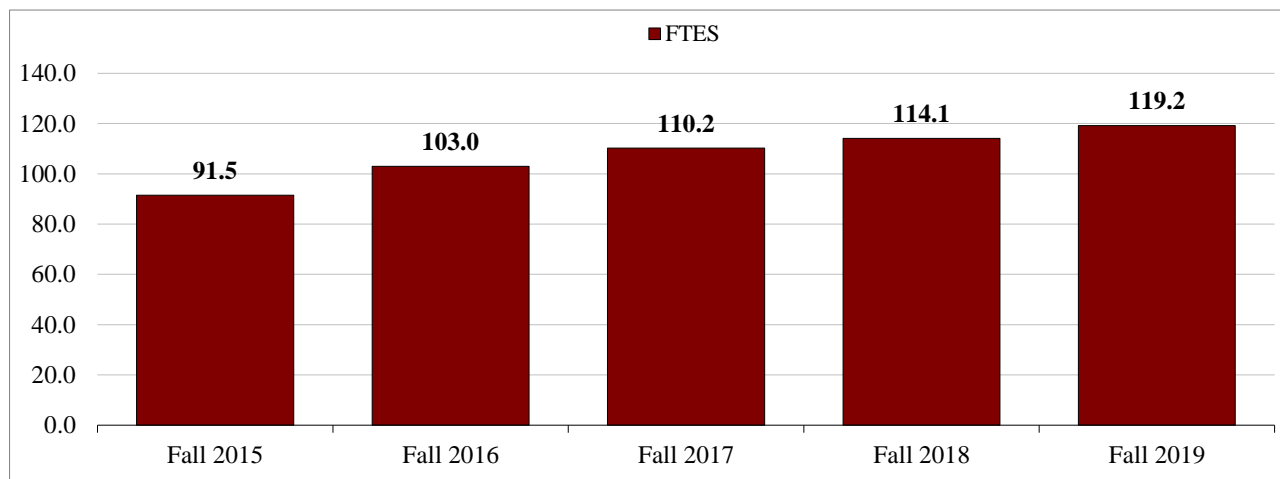
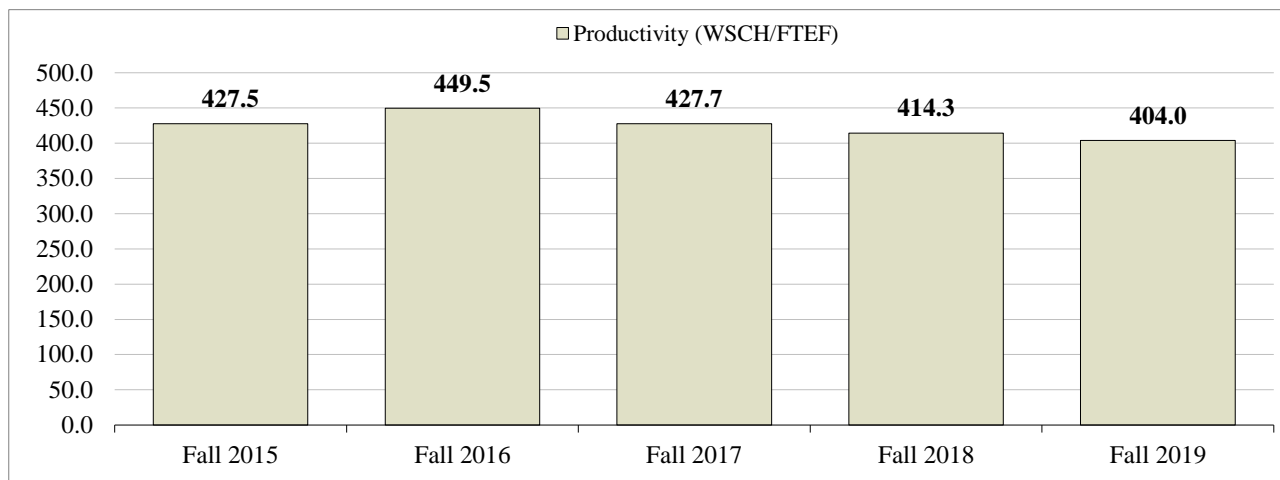
Course Non-Success Rate is the percentage of students receiving a grade of ('D', 'F', 'NP' or 'T') relative to all students receiving a grade.

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

	Chemistry (CHEM)				
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
WSCH	2,832	3,225	3,379	3,501	3,636
FTES	91.5	103.0	110.2	114.1	119.2
FTEF	6.6	7.2	7.9	8.5	9.0
Productivity (WSCH/FTEF)	427.5	449.5	427.7	414.3	404.0



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.

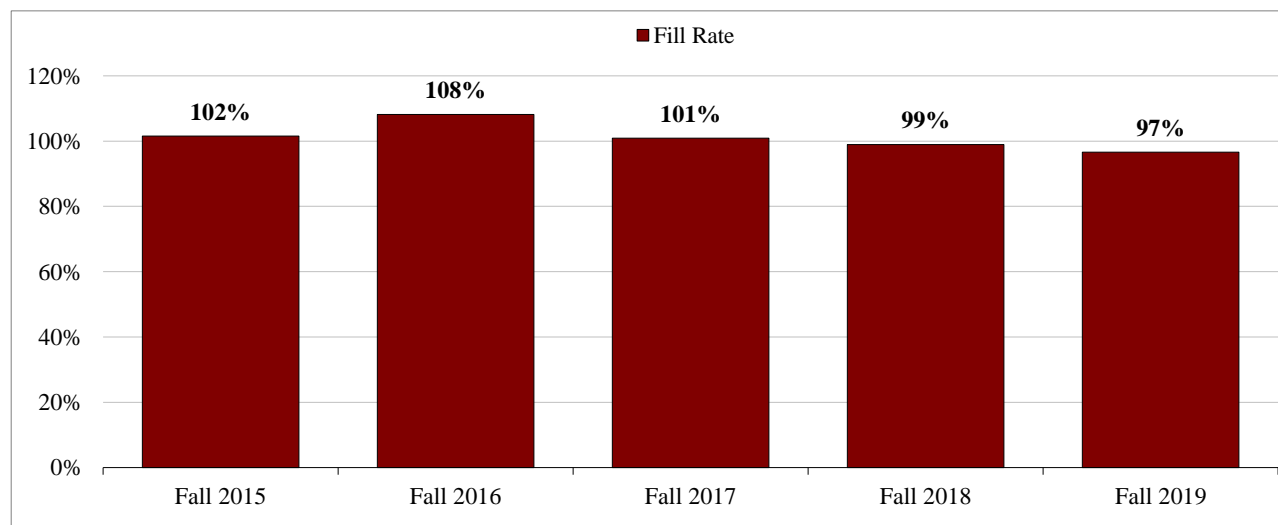
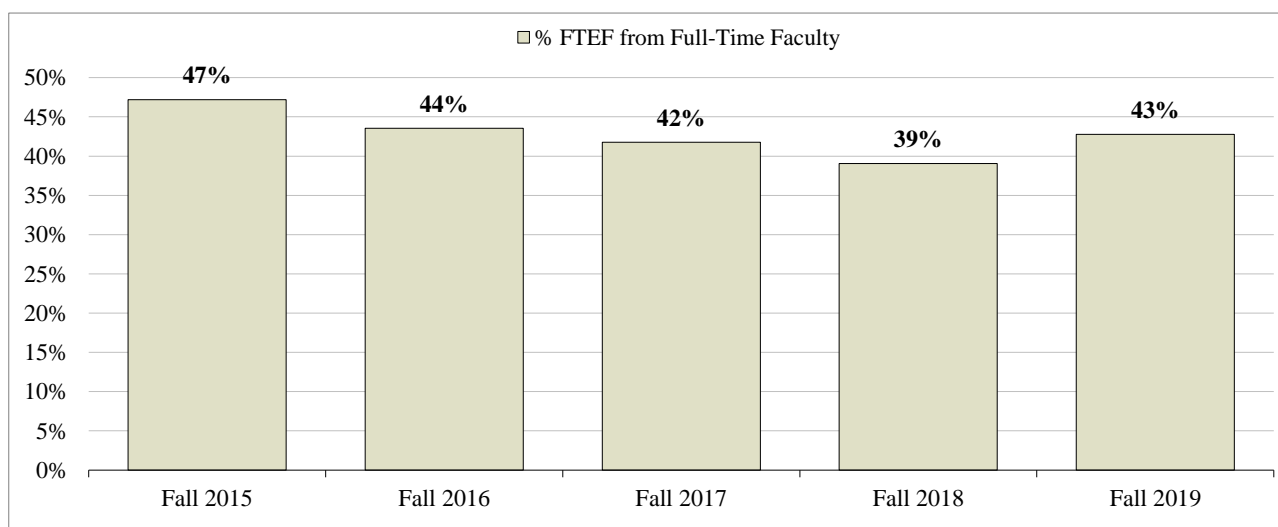
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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

Chemistry (CHEM)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
FTEF from Full-Time Faculty	3.1	3.1	3.3	3.3	3.9
% FTEF from Full-Time Faculty	47%	44%	42%	39%	43%
Enrollments	386	438	458	469	487
Capacity (seats available)	380	405	454	474	504
Fill Rate	102%	108%	101%	99%	97%



Definitions:

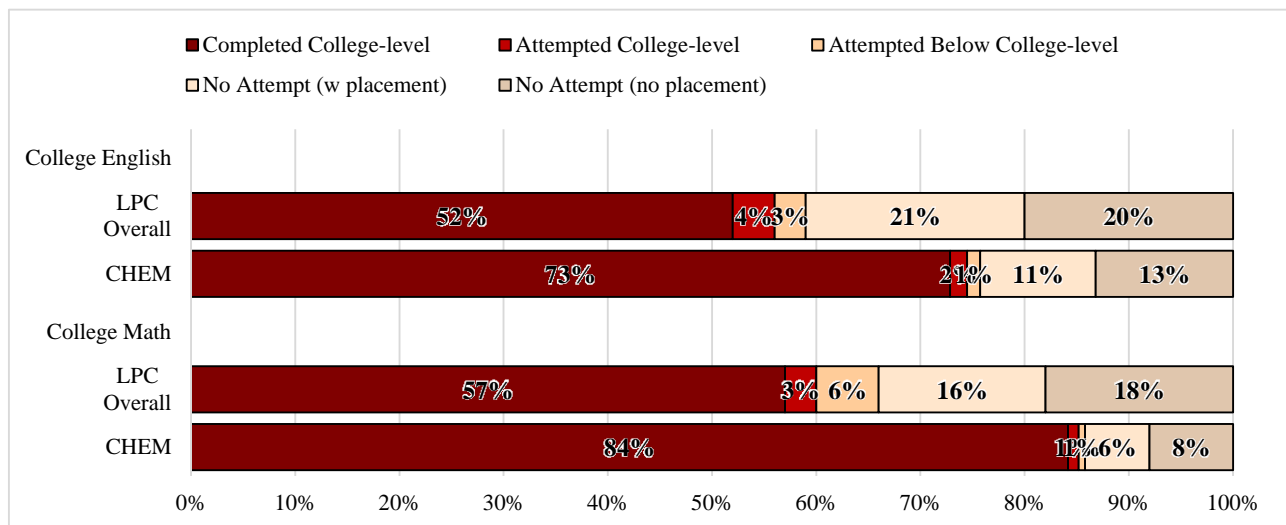
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 7/14/20.

College Readiness: English & Math Proficiency

Fall 2019				
	CHEM		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	354	73%	4,712	52%
Attempted College-level	8	2%	393	4%
Attempted Below College-level	6	1%	261	3%
No Attempt (with placement)	54	11%	1,887	21%
No Attempt (no placement)	64	13%	1,811	20%
College Math				
Completed College-level	409	84%	5,193	57%
Attempted College-level	5	1%	302	3%
Attempted Below College-level	3	1%	538	6%
No Attempt (with placement)	30	6%	1,405	16%
No Attempt (no placement)	39	8%	1,623	18%



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.