



Las Positas College

Discipline Program Review Data Packet

Fall 2016 to Fall 2020

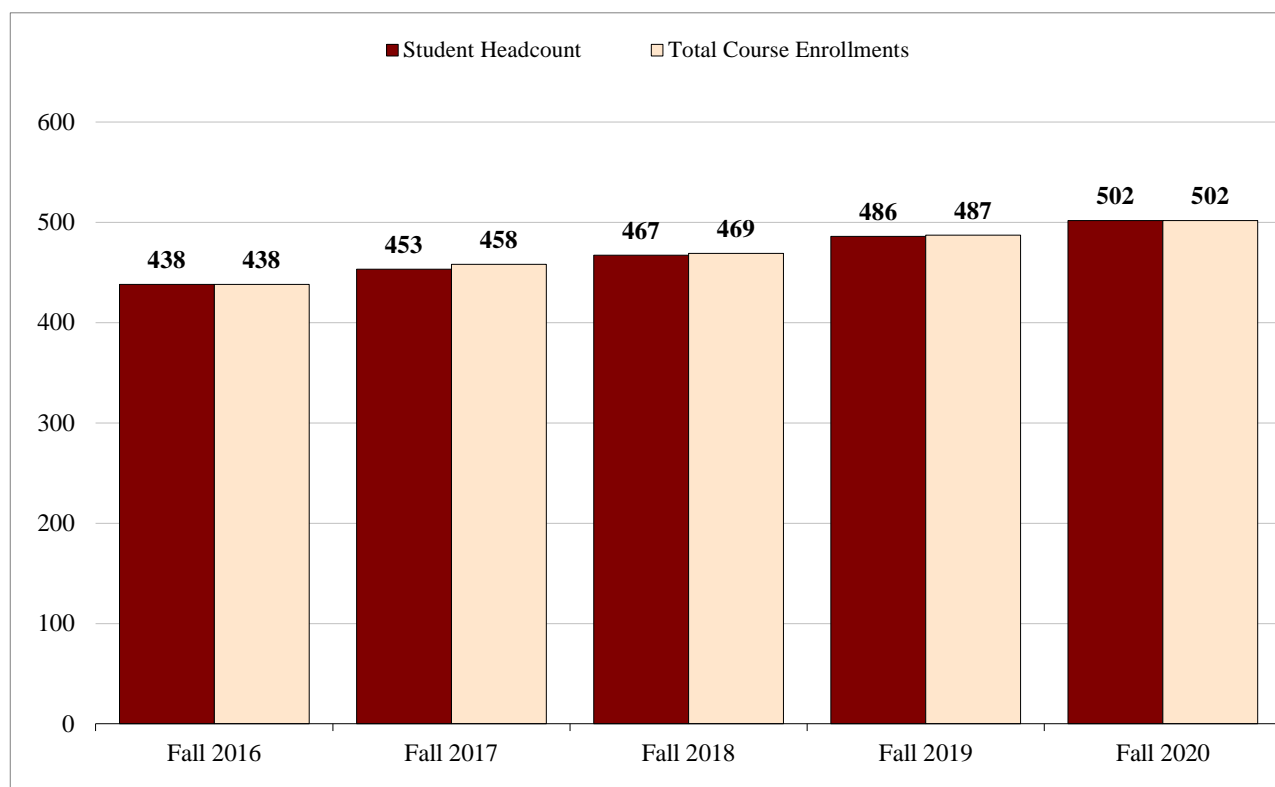
Discipline:

Chemistry (CHEM)

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Headcount & Enrollment

Chemistry (CHEM)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Student Headcount	438	453	467	486	502
Total Course Enrollments	438	458	469	487	502



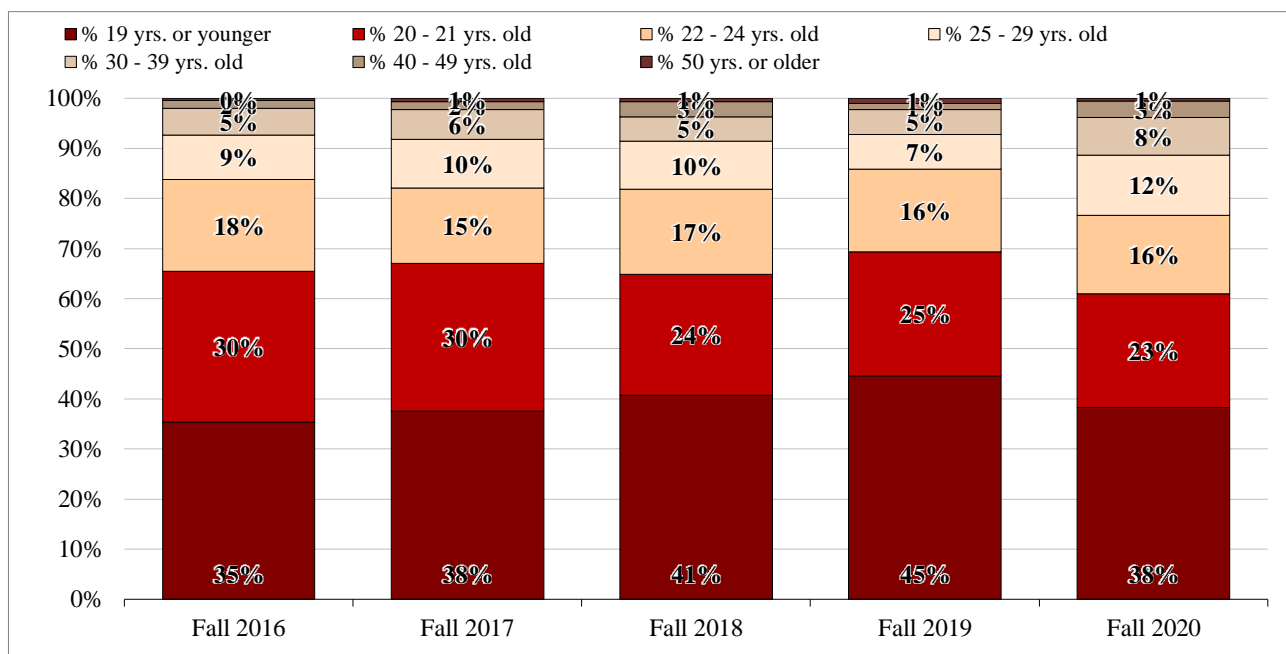
Definitions:

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.

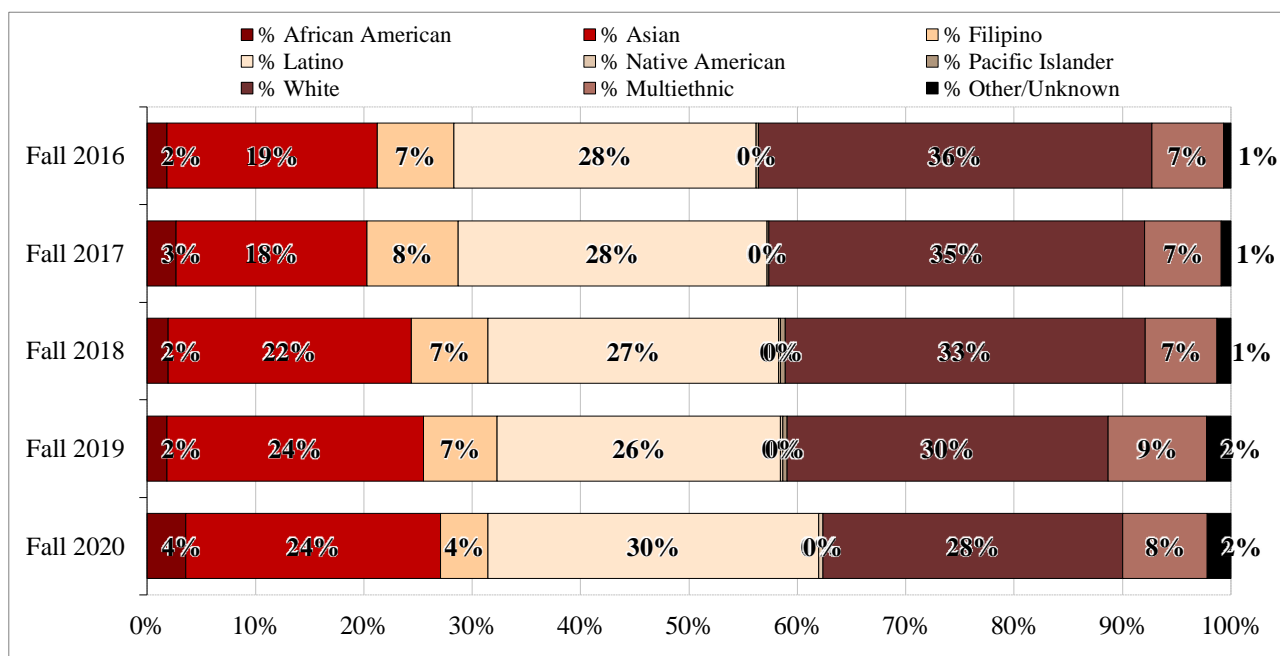
Student Demographics: Gender & Age

Chemistry (CHEM)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Female	233	242	253	274	305
Male	201	205	208	205	192
19 yrs. or younger	155	170	190	217	192
20-21 yrs. old	132	134	113	120	114
22-24 yrs. old	80	68	79	80	79
25-29 yrs. old	39	44	45	34	60
30-39 yrs. old	23	27	23	24	38
40-49 yrs. old	7	7	14	6	16
50 yrs. or older	2	3	3	5	3
% Female	54%	54%	55%	57%	61%
% Male	46%	46%	45%	43%	39%
% 19 yrs. or younger	35%	38%	41%	45%	38%
% 20 - 21 yrs. old	30%	30%	24%	25%	23%
% 22 - 24 yrs. old	18%	15%	17%	16%	16%
% 25 - 29 yrs. old	9%	10%	10%	7%	12%
% 30 - 39 yrs. old	5%	6%	5%	5%	8%
% 40 - 49 yrs. old	2%	2%	3%	1%	3%
% 50 yrs. or older	<1%	1%	1%	1%	1%



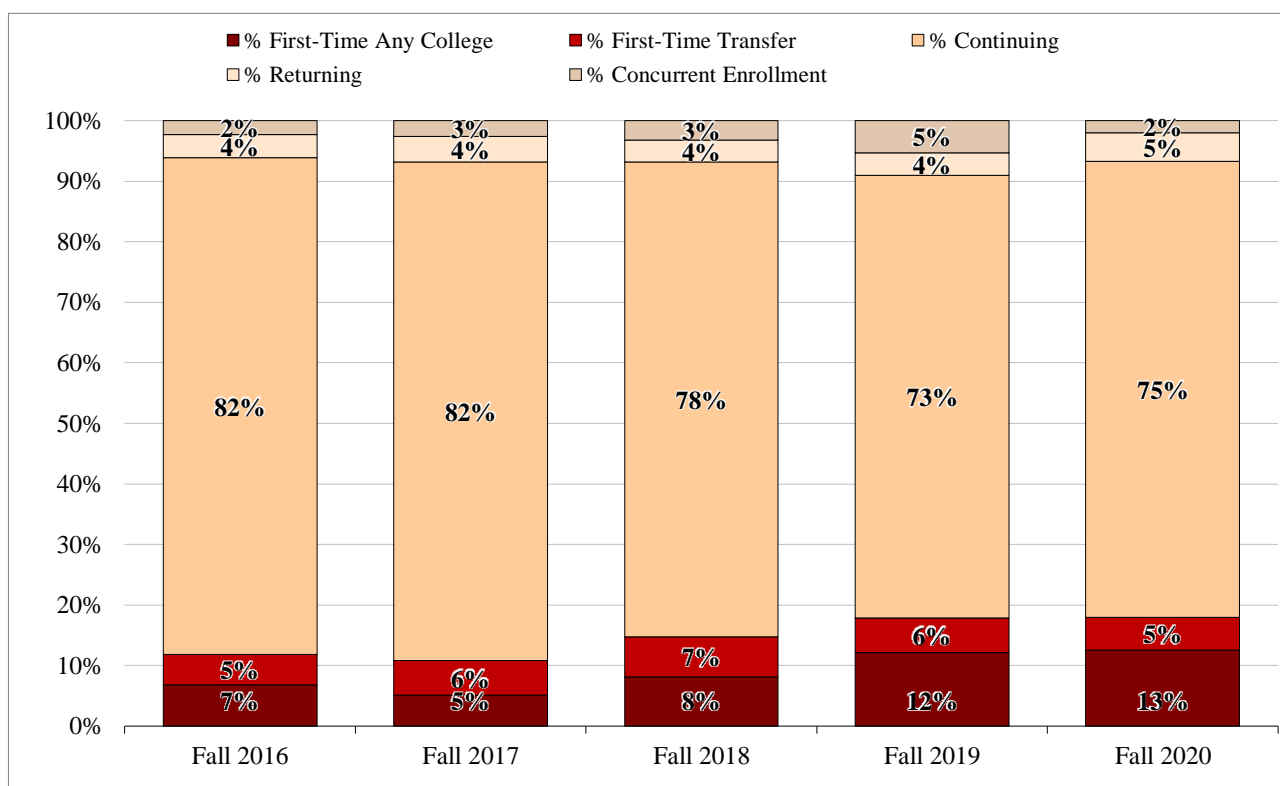
Student Demographic: Race-Ethnicity

Chemistry (CHEM)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
African American	8	12	9	9	18
Asian	85	80	105	115	118
Filipino	31	38	33	33	22
Latino	122	129	125	127	153
Native American	0	0	1	1	2
Pacific Islander	1	1	2	2	0
White	159	157	155	144	139
Multiethnic	29	32	31	44	39
Other/Unknown	3	4	6	11	11
% African American	2%	3%	2%	2%	4%
% Asian	19%	18%	22%	24%	24%
% Filipino	7%	8%	7%	7%	4%
% Latino	28%	28%	27%	26%	30%
% Native American	0%	0%	<1%	<1%	<1%
% Pacific Islander	<1%	<1%	<1%	<1%	0%
% White	36%	35%	33%	30%	28%
% Multiethnic	7%	7%	7%	9%	8%
% Other/Unknown	1%	1%	1%	2%	2%



Student Enrollment Status

Chemistry (CHEM)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
First-Time Any College	30	23	38	59	63
First-Time Transfer	22	26	31	28	27
Continuing	359	373	366	355	378
Returning	17	19	17	18	24
Concurrent Enrollment	10	12	15	26	10
% First-Time Any College	7%	5%	8%	12%	13%
% First-Time Transfer	5%	6%	7%	6%	5%
% Continuing	82%	82%	78%	73%	75%
% Returning	4%	4%	4%	4%	5%
% Concurrent Enrollment	2%	3%	3%	5%	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.

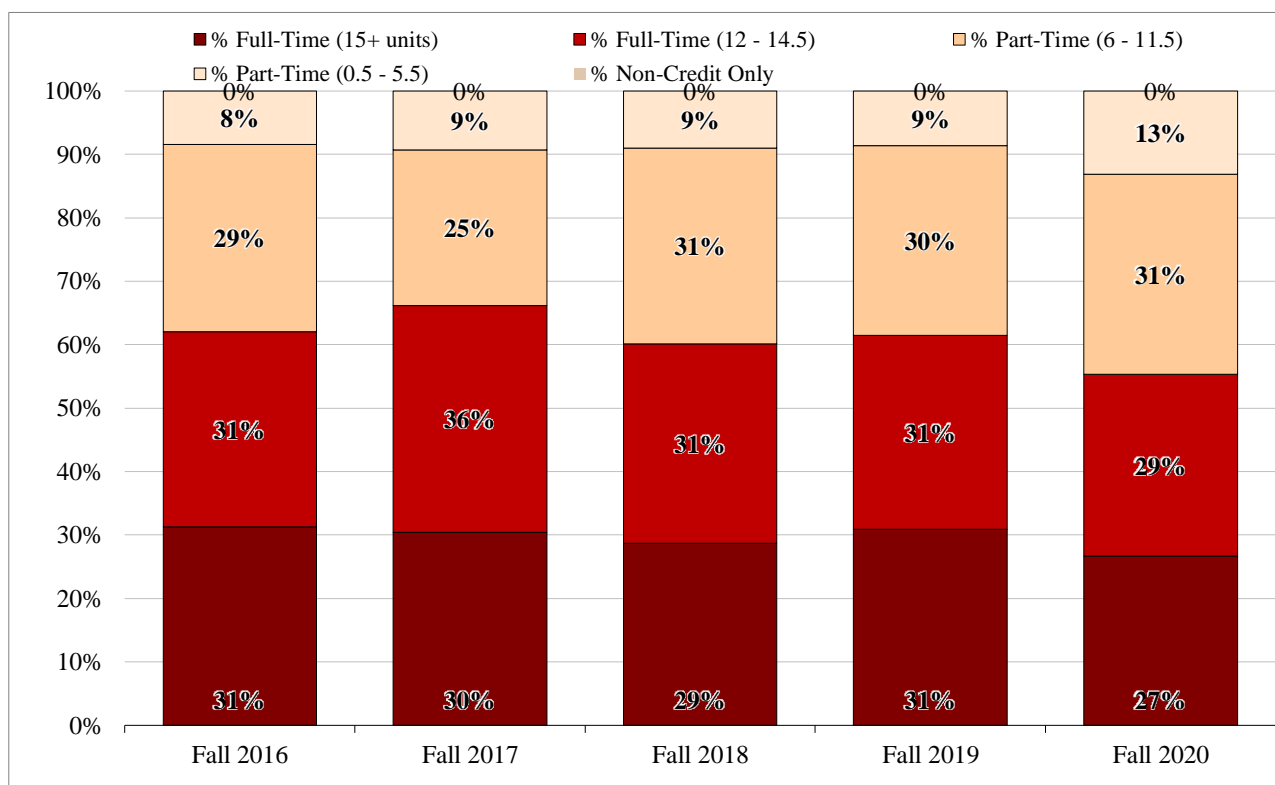
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

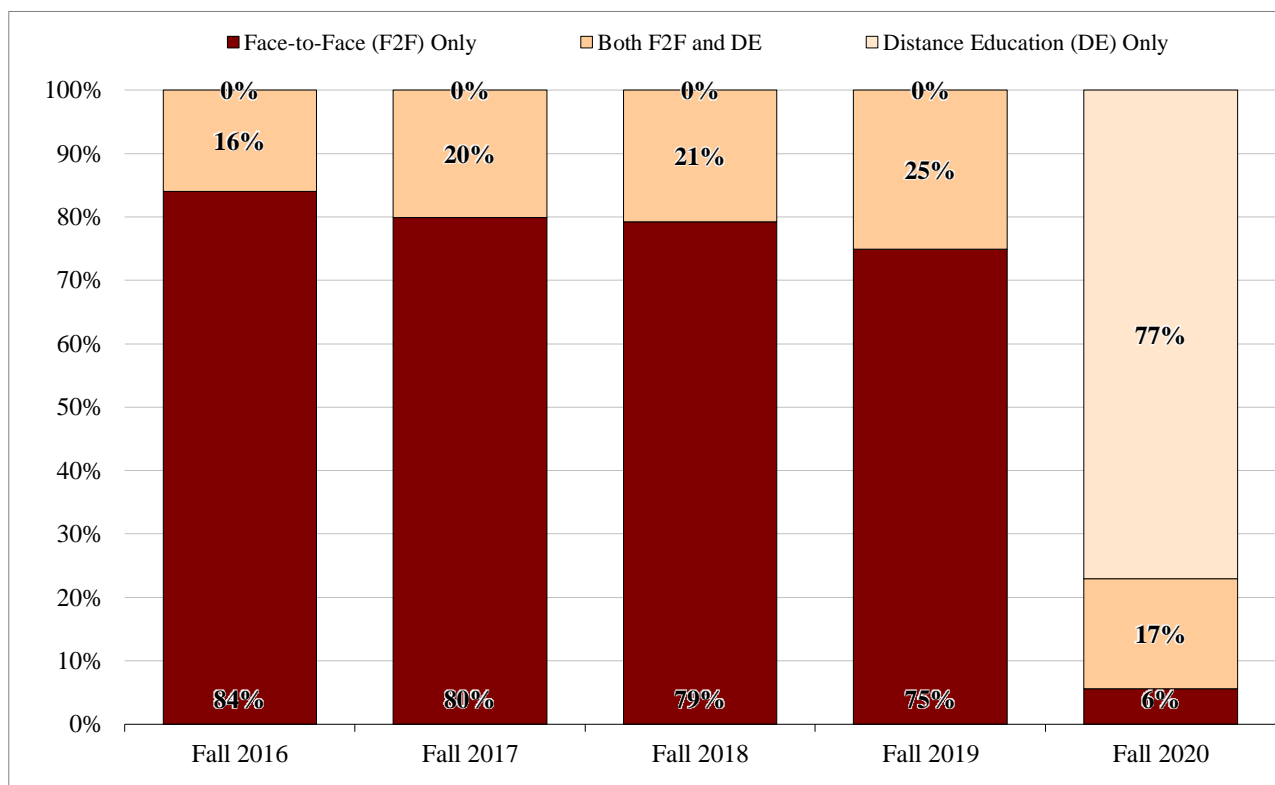
Student Unit Load

Chemistry (CHEM)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Full-Time (15+ units)	137	138	134	150	134
Full-Time (12 - 14.5)	135	162	147	149	144
Part-Time (6 - 11.5)	129	111	144	145	158
Part-Time (0.5 - 5.5)	37	42	42	42	66
Non-Credit Only	0	0	0	0	0
% Full-Time (15+ units)	31%	30%	29%	31%	27%
% Full-Time (12 - 14.5)	31%	36%	31%	31%	29%
% Part-Time (6 - 11.5)	29%	25%	31%	30%	31%
% Part-Time (0.5 - 5.5)	8%	9%	9%	9%	13%
% Non-Credit Only	0%	0%	0%	0%	0%



Students Using Distance Education

Chemistry (CHEM)					
(Categories reflect college-wide coursework)	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Face-to-Face (F2F) Only	368	362	370	364	28
Both F2F and DE	70	91	97	122	87
Distance Education (DE) Only	0	0	0	0	387
% Face-to-Face (F2F) Only	84%	80%	79%	75%	6%
% Both F2F and DE	16%	20%	21%	25%	17%
% Distance Education (DE) Only	0%	0%	0%	0%	77%

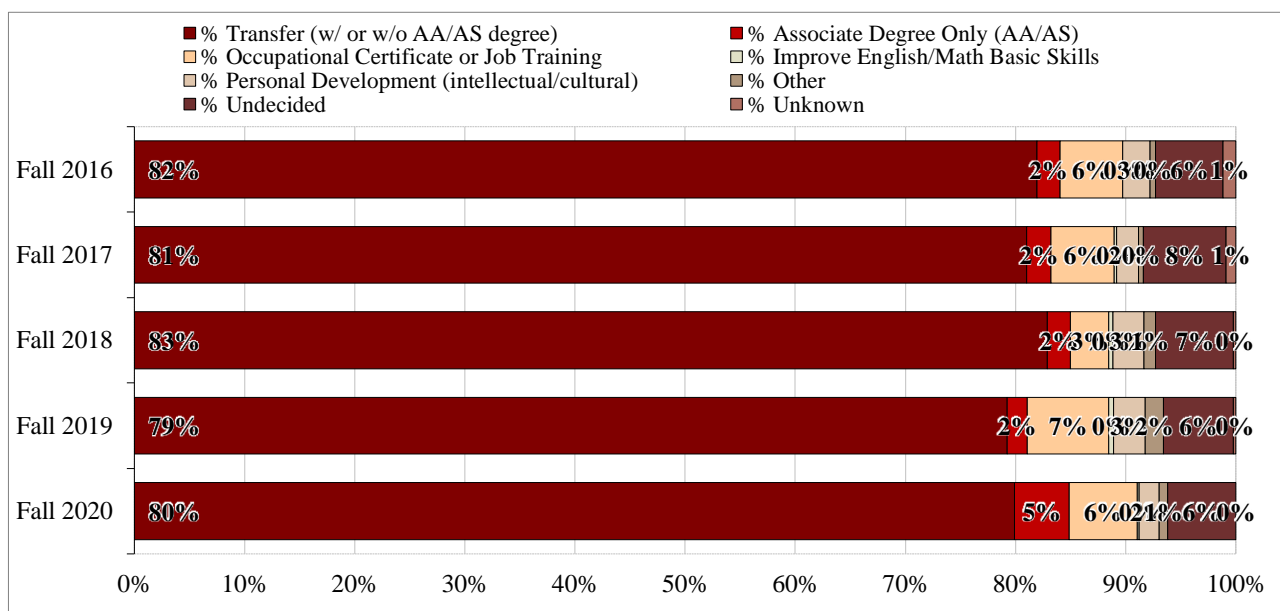


Definitions:

Distance Education (DE) includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'. In 2020-21, due to the COVID-19 pandemic, DE sections were distinguished through provisional designations.

Student Educational Goal

Chemistry (CHEM)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Transfer (w/ or w/o AA/AS degree)	359	367	387	385	401
Associate Degree Only (AA/AS)	9	10	10	9	25
Occupational Certificate or Job Training	25	26	16	36	31
Improve English/Math Basic Skills	0	1	2	2	1
Personal Development (intellectual/cultural)	11	9	13	14	9
Other	2	2	5	8	4
Undecided	27	34	33	31	31
Unknown	5	4	1	1	0
% Transfer (w/ or w/o AA/AS degree)	82%	81%	83%	79%	80%
% Associate Degree Only (AA/AS)	2%	2%	2%	2%	5%
% Occupational Certificate or Job Training	6%	6%	3%	7%	6%
% Improve English/Math Basic Skills	0%	<1%	<1%	<1%	<1%
% Personal Development (intellectual/cultural)	3%	2%	3%	3%	2%
% Other	<1%	<1%	1%	2%	1%
% Undecided	6%	8%	7%	6%	6%
% Unknown	1%	1%	<1%	<1%	0%



Definitions:

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

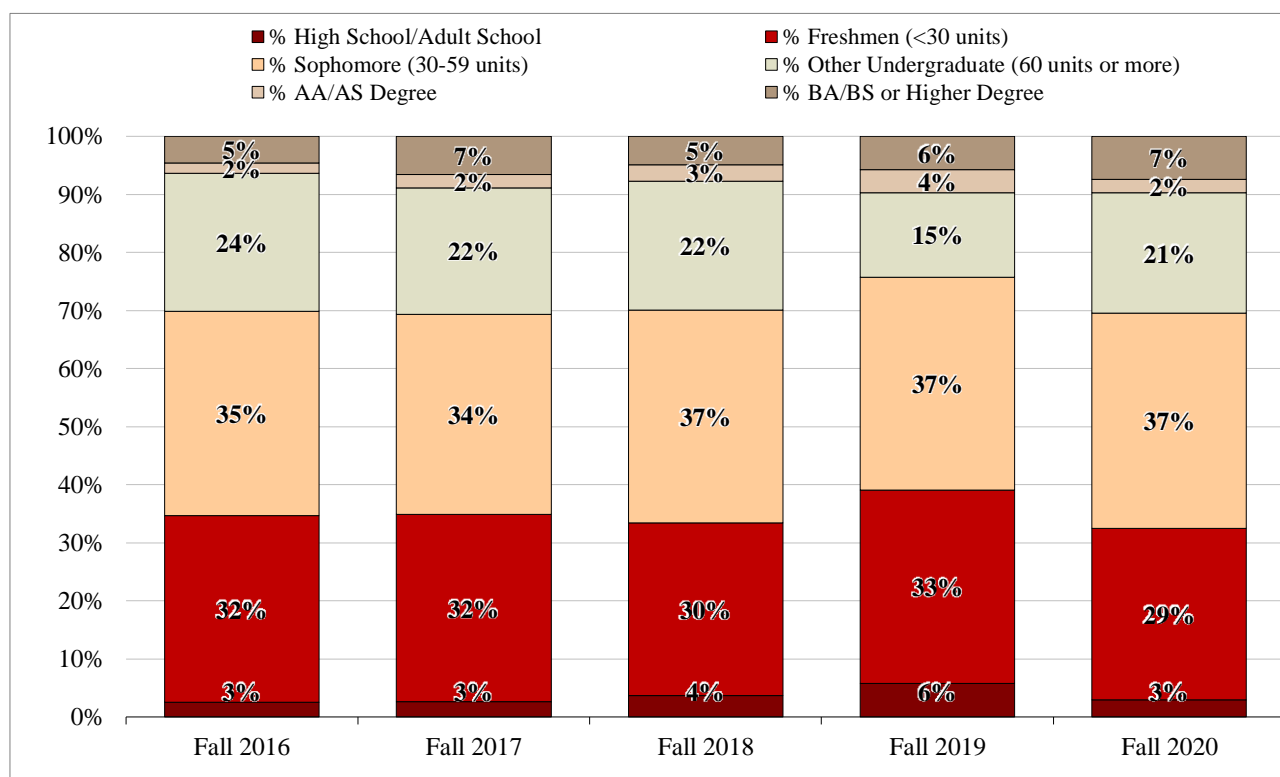
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

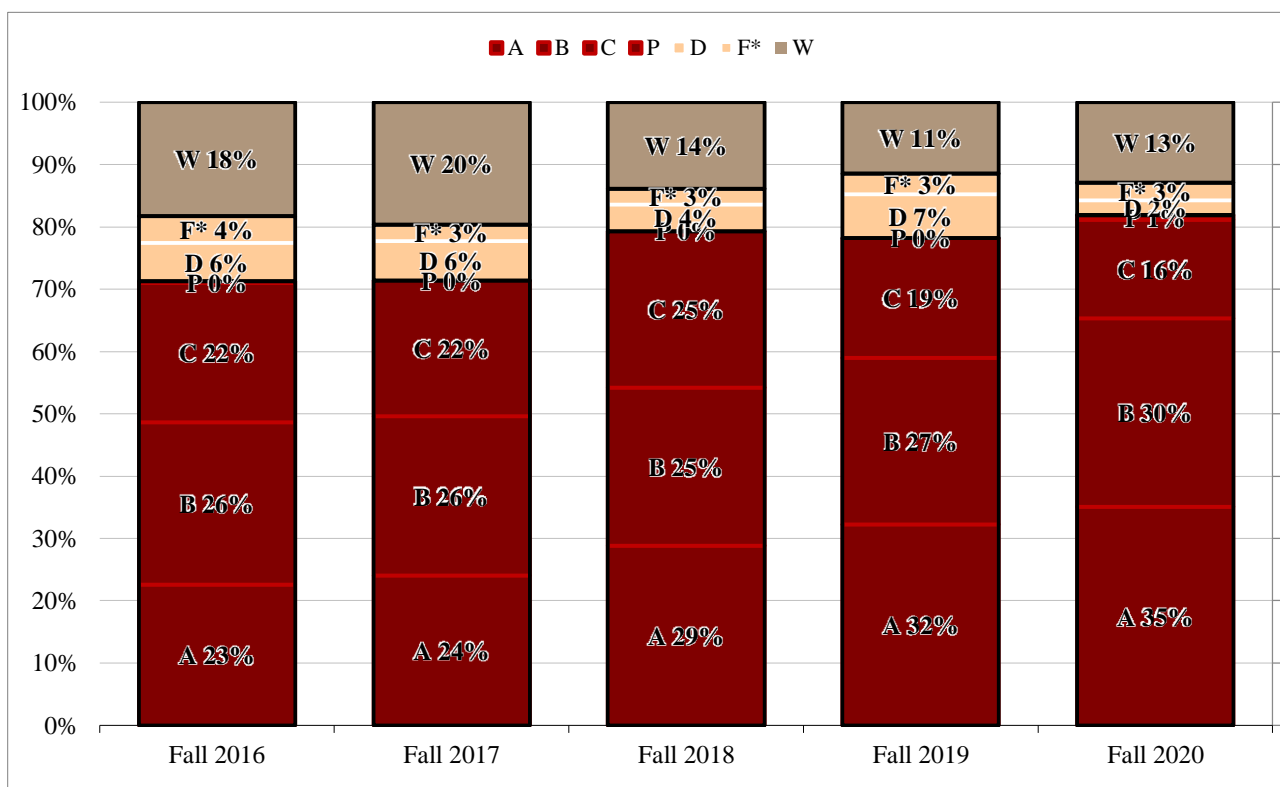
Highest Educational Level of Students

Chemistry (CHEM)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
High School/Adult School	11	12	17	28	15
Freshmen (<30 units)	141	146	139	162	148
Sophomore (30-59 units)	154	156	171	178	186
Other Undergraduate (60 units or more)	104	99	104	71	104
AA/AS Degree	8	10	13	19	12
BA/BS or Higher Degree	20	30	23	28	37
% High School/Adult School	3%	3%	4%	6%	3%
% Freshmen (<30 units)	32%	32%	30%	33%	29%
% Sophomore (30-59 units)	35%	34%	37%	37%	37%
% Other Undergraduate (60 units or more)	24%	22%	22%	15%	21%
% AA/AS Degree	2%	2%	3%	4%	2%
% BA/BS or Higher Degree	5%	7%	5%	6%	7%



Student Performance: Grade Distribution

Chemistry (CHEM)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Total Course Enrollments	438	458	469	487	502
Course Success Rates	71%	71%	79%	78%	82%
A	23%	24%	29%	32%	35%
B	26%	26%	25%	27%	30%
C	22%	22%	25%	19%	16%
P	<1%	0%	0%	0%	1%
Course Non-Success Rate	11%	9%	7%	10%	5%
D	6%	6%	4%	7%	2%
F*	4%	3%	3%	3%	3%
Withdrawals (See Note)	18%	20%	14%	11%	13%



Definitions:

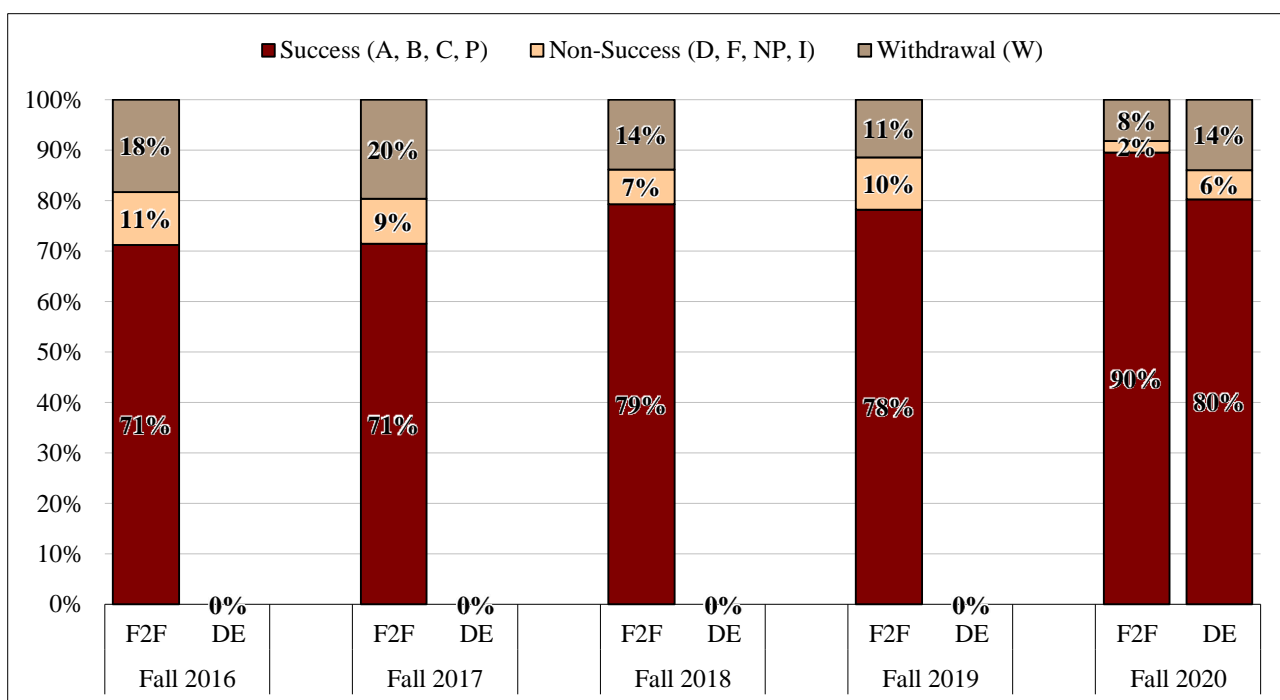
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D' or F* (includes: 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP').

Withdrawals are the share of course enrollments resulting in (1) a grade notation of 'W', 'MW', or 'EW', or, (2) a course dropped due to COVID-19.

Student Performance: Distance Education

Chemistry (CHEM)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Total Course Enrollments	438	458	469	487	502
Face-to-Face (F2F) Sections	438	458	469	487	86
Success Rates	71%	71%	79%	78%	90%
Non-Success Rates	11%	9%	7%	10%	2%
Withdrawals	18%	20%	14%	11%	8%
Distance Education (DE) Sections	0	0	0	0	416
Success Rates	—	—	—	—	80%
Non-Success Rates	—	—	—	—	6%
Withdrawals	—	—	—	—	14%



Definitions:

Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

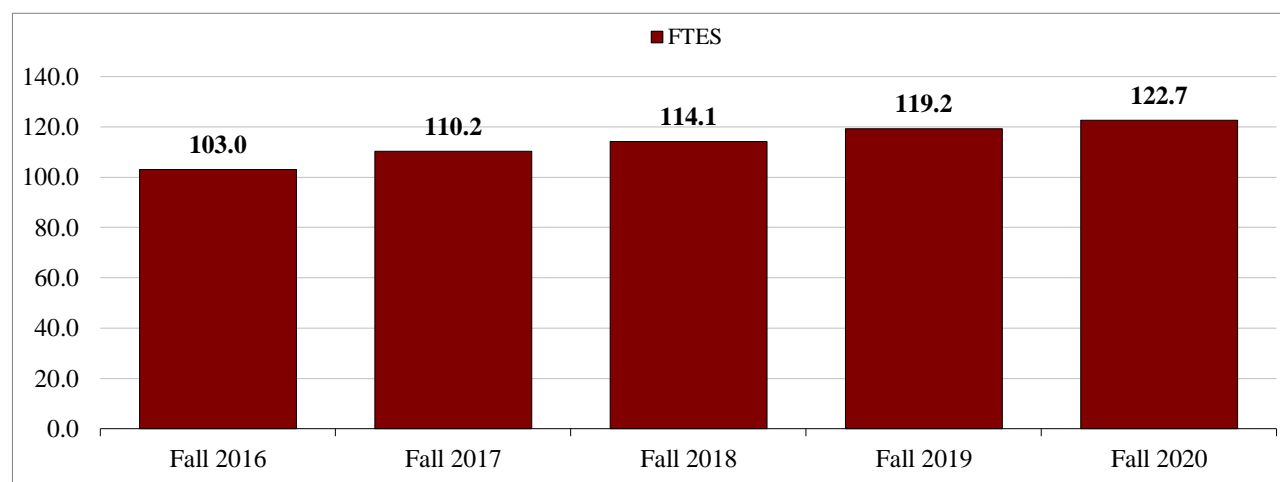
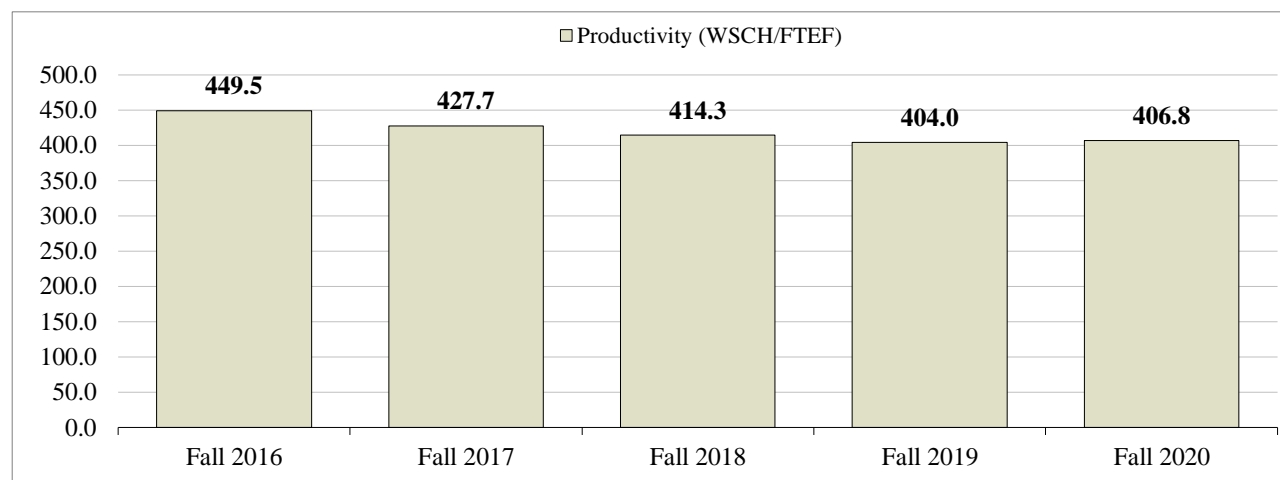
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

Withdrawals are the share of course enrollments resulting in (1) a grade notation of 'W', 'MW', or 'EW', or, (2) a course dropped due to COVID-19.

Distance Education (DE) includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'. In 2020-21, due to the COVID-19 pandemic, DE sections were distinguished through provisional designations.

Enrollment Management: Part 1

Chemistry (CHEM)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
WSCH	3,225	3,379	3,501	3,636	3,732
FTES	103.0	110.2	114.1	119.2	122.7
FTEF	7.2	7.9	8.5	9.0	9.2
Productivity (WSCH/FTEF)	449.5	427.7	414.3	404.0	406.8



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.

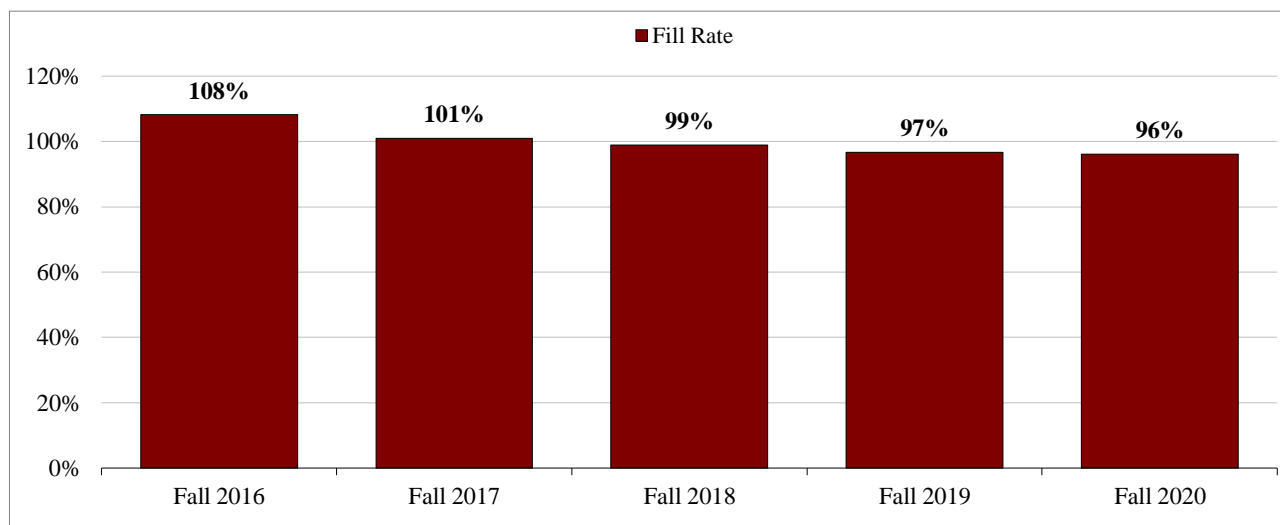
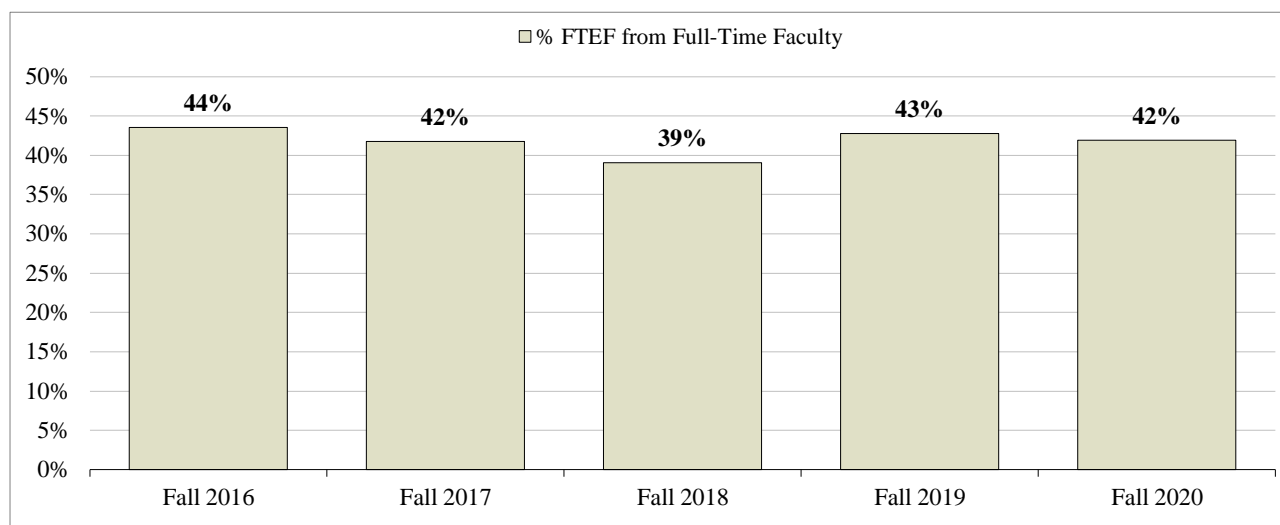
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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 7/20/21.

Enrollment Management: Part 2

Chemistry (CHEM)					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
FTEF from Full-Time Faculty	3.1	3.3	3.3	3.9	3.9
% FTEF from Full-Time Faculty	44%	42%	39%	43%	42%
Enrollments	438	458	469	487	502
Capacity (seats available)	405	454	474	504	522
Fill Rate	108%	101%	99%	97%	96%



Definitions:

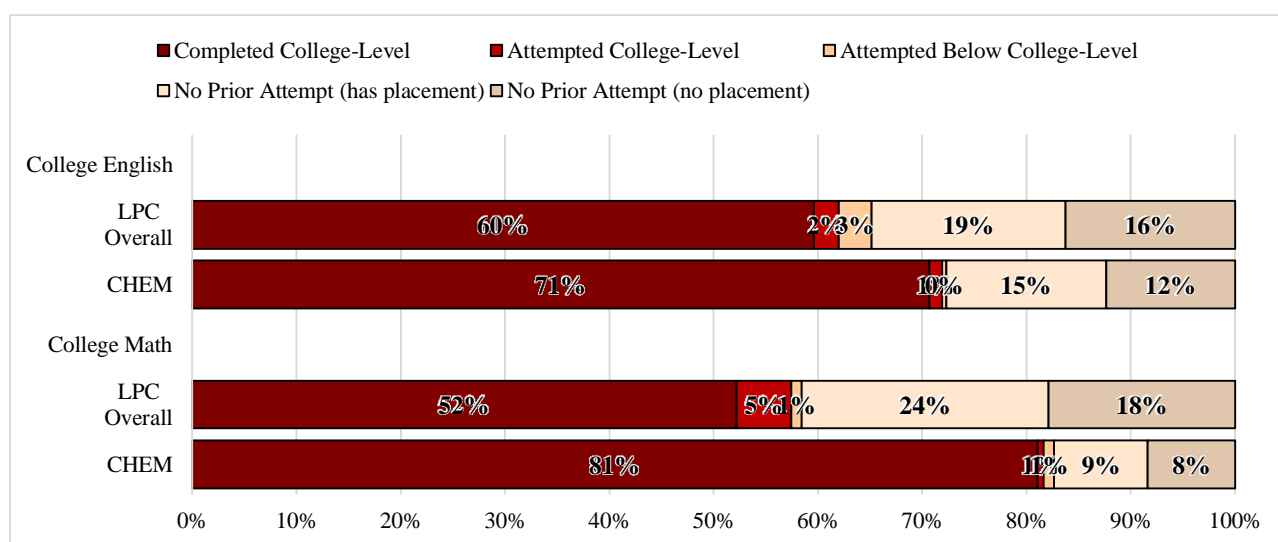
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 7/20/21.

Prior Experience in English & Math

Fall 2020				
	CHEM		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	355	71%	4,353	52%
Attempted College-level	6	1%	438	5%
Attempted Below College-level	2	<1%	86	1%
No Prior Attempt (has placement)	77	15%	1,974	24%
No Prior Attempt (no placement)	62	12%	1,489	18%
College Math				
Completed College-level	407	81%	4,972	60%
Attempted College-level	3	1%	199	2%
Attempted Below College-level	5	1%	261	3%
No Prior Attempt (has placement)	45	9%	1,555	19%
No Prior Attempt (no placement)	42	8%	1,353	16%



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 Prior Attempt (has placement) = no previous English enrollments within the sequence but has used a placement tool.

No Prior 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 Prior Attempt (has placement) = no previous Math enrollments within the sequence but has used a placement tool.

No Prior Attempt (no placement) = no previous Math enrollments within the sequence and did not utilize a placement tool.