



Las Positas College
Discipline Program Review Data Packet
Spring 2018 to Spring 2022

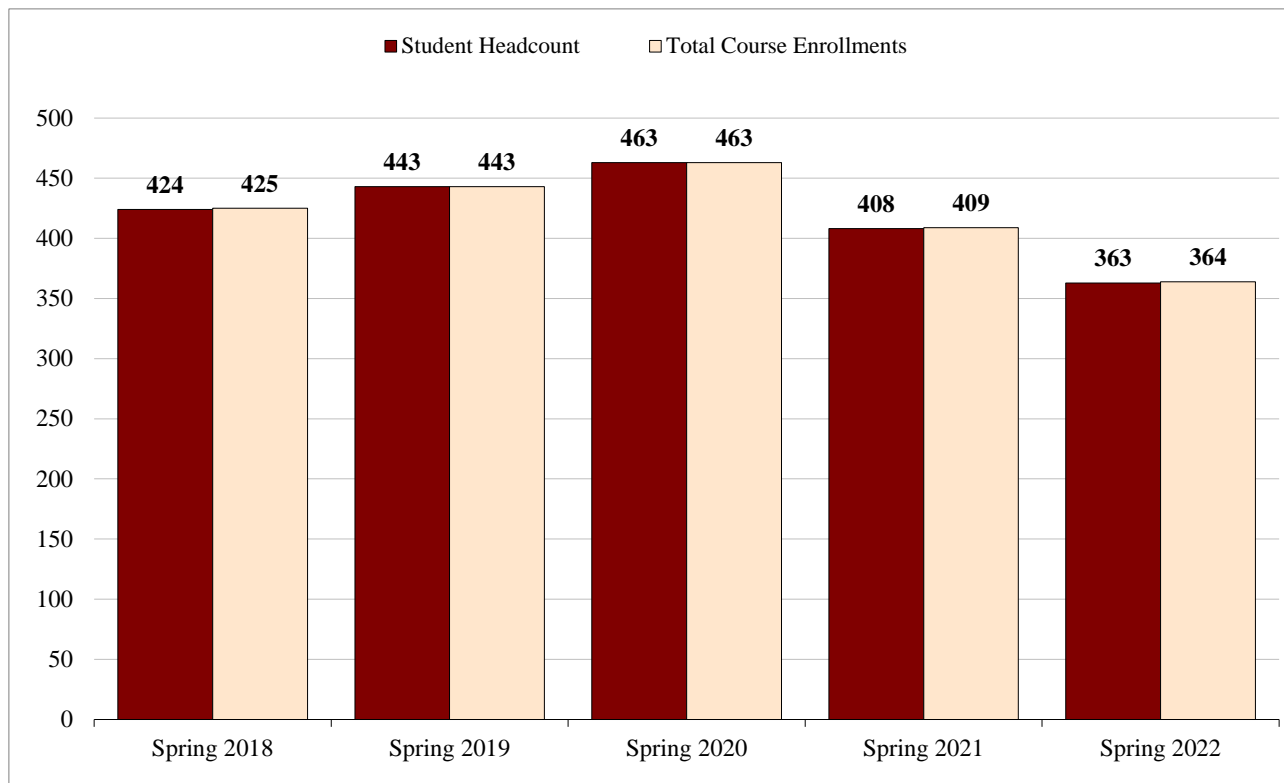
Discipline:

Chemistry (CHEM)

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Headcount & Enrollment

Chemistry (CHEM)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Student Headcount	424	443	463	408	363
Total Course Enrollments	425	443	463	409	364



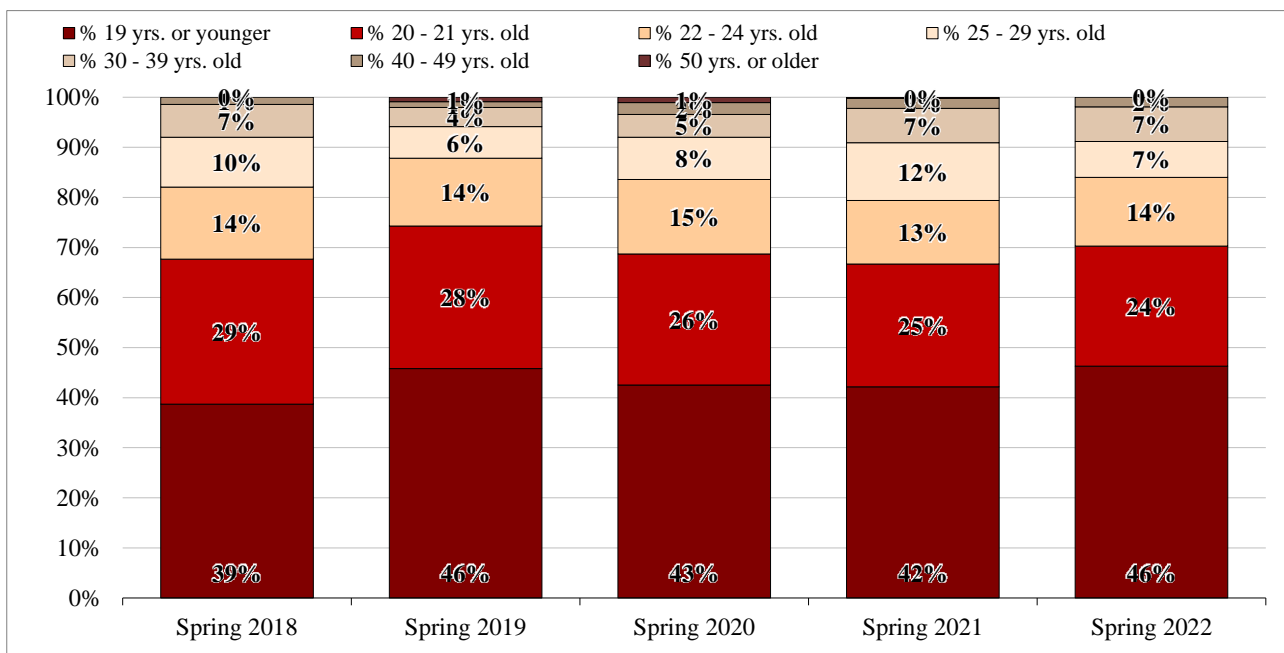
Definitions:

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.

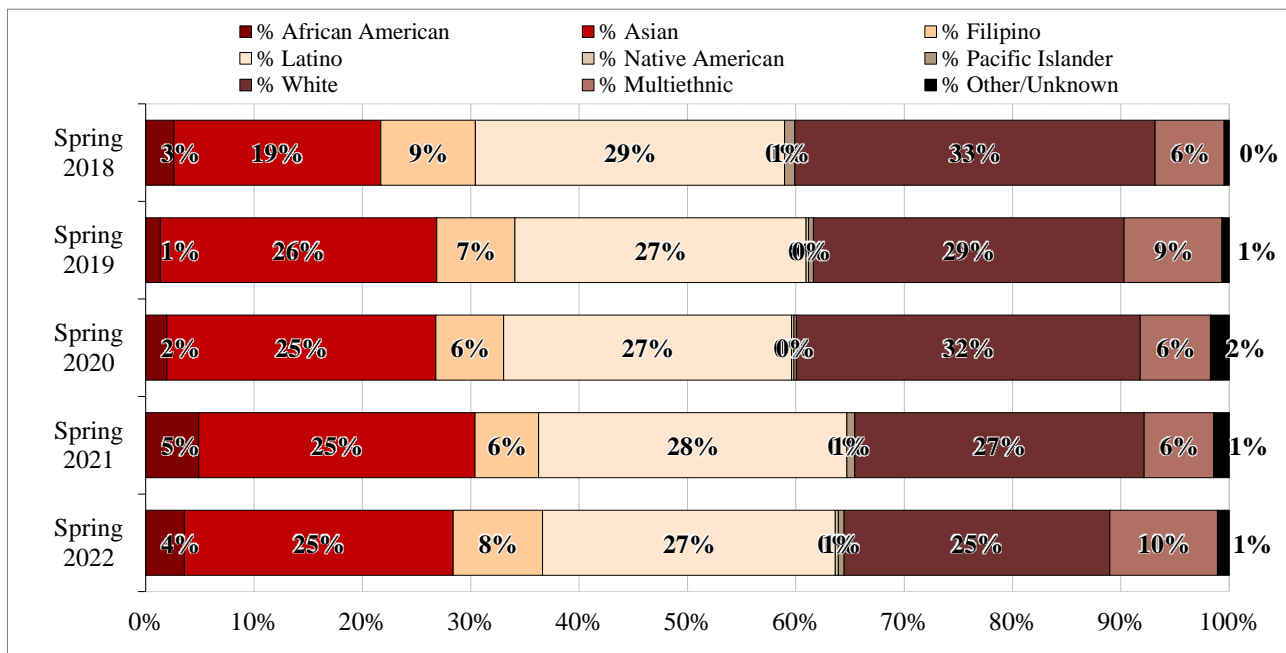
Student Demographics: Gender & Age

Chemistry (CHEM)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Female	225	242	262	253	211
Male	194	191	194	151	151
19 yrs. or younger	164	203	197	172	168
20-21 yrs. old	123	126	121	100	87
22-24 yrs. old	61	60	69	52	50
25-29 yrs. old	42	28	39	47	26
30-39 yrs. old	28	17	21	28	25
40-49 yrs. old	6	5	11	8	7
50 yrs. or older	0	4	5	1	0
% Female	54%	56%	57%	63%	58%
% Male	46%	44%	43%	37%	42%
% 19 yrs. or younger	39%	46%	43%	42%	46%
% 20 - 21 yrs. old	29%	28%	26%	25%	24%
% 22 - 24 yrs. old	14%	14%	15%	13%	14%
% 25 - 29 yrs. old	10%	6%	8%	12%	7%
% 30 - 39 yrs. old	7%	4%	5%	7%	7%
% 40 - 49 yrs. old	1%	1%	2%	2%	2%
% 50 yrs. or older	0%	1%	1%	<1%	0%



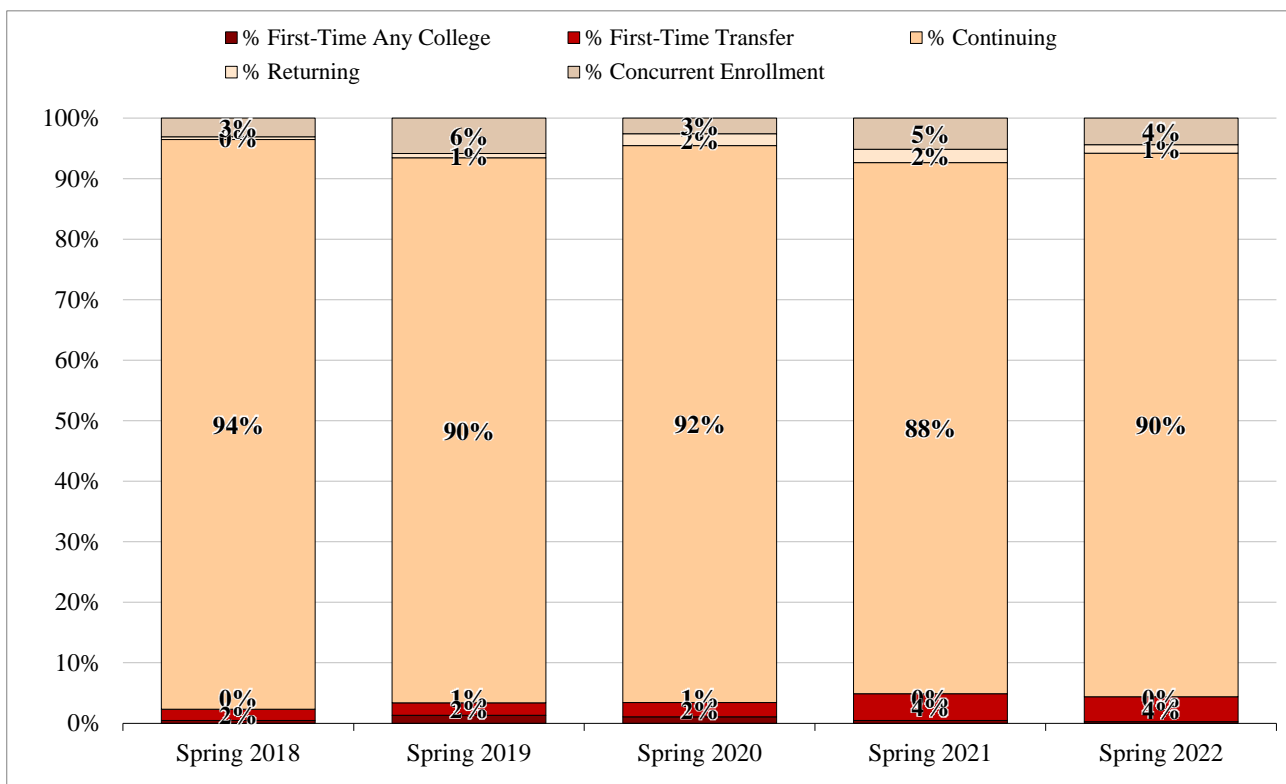
Student Demographic: Race-Ethnicity

Chemistry (CHEM)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
African American	11	6	9	20	13
Asian	81	113	115	104	90
Filipino	37	32	29	24	30
Latino	121	119	123	116	98
Native American	0	1	1	0	1
Pacific Islander	4	2	1	3	2
White	141	127	147	109	89
Multiethnic	27	40	30	26	36
Other/Unknown	2	3	8	6	4
% African American	3%	1%	2%	5%	4%
% Asian	19%	26%	25%	25%	25%
% Filipino	9%	7%	6%	6%	8%
% Latino	29%	27%	27%	28%	27%
% Native American	0%	<1%	<1%	0%	<1%
% Pacific Islander	1%	<1%	<1%	1%	1%
% White	33%	29%	32%	27%	25%
% Multiethnic	6%	9%	6%	6%	10%
% Other/Unknown	<1%	1%	2%	1%	1%



Student Enrollment Status

	Chemistry (CHEM)				
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
First-Time Any College	2	6	5	2	1
First-Time Transfer	8	9	11	18	15
Continuing	399	399	426	358	326
Returning	2	3	9	9	5
Concurrent Enrollment	13	26	12	21	16
% First-Time Any College	<1%	1%	1%	0%	<1%
% First-Time Transfer	2%	2%	2%	4%	4%
% Continuing	94%	90%	92%	88%	90%
% Returning	<1%	1%	2%	2%	1%
% Concurrent Enrollment	3%	6%	3%	5%	4%



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.

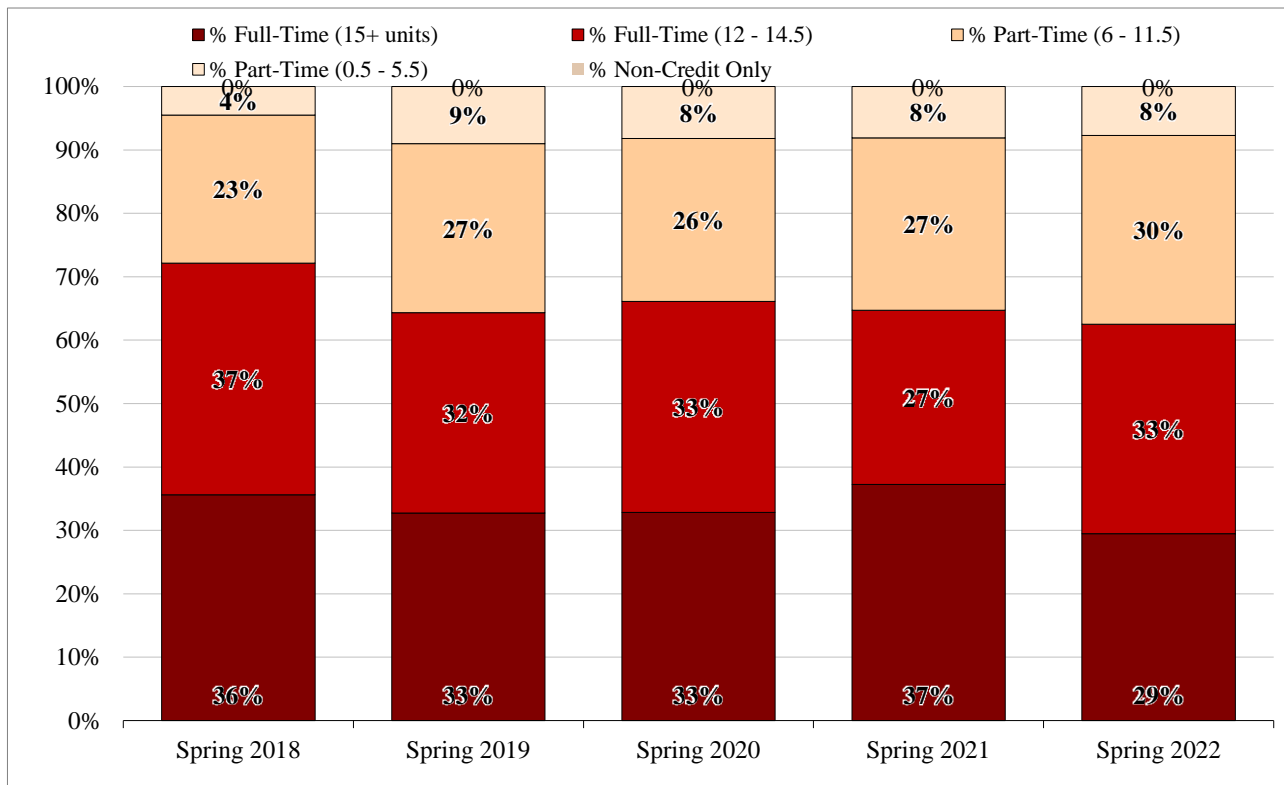
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

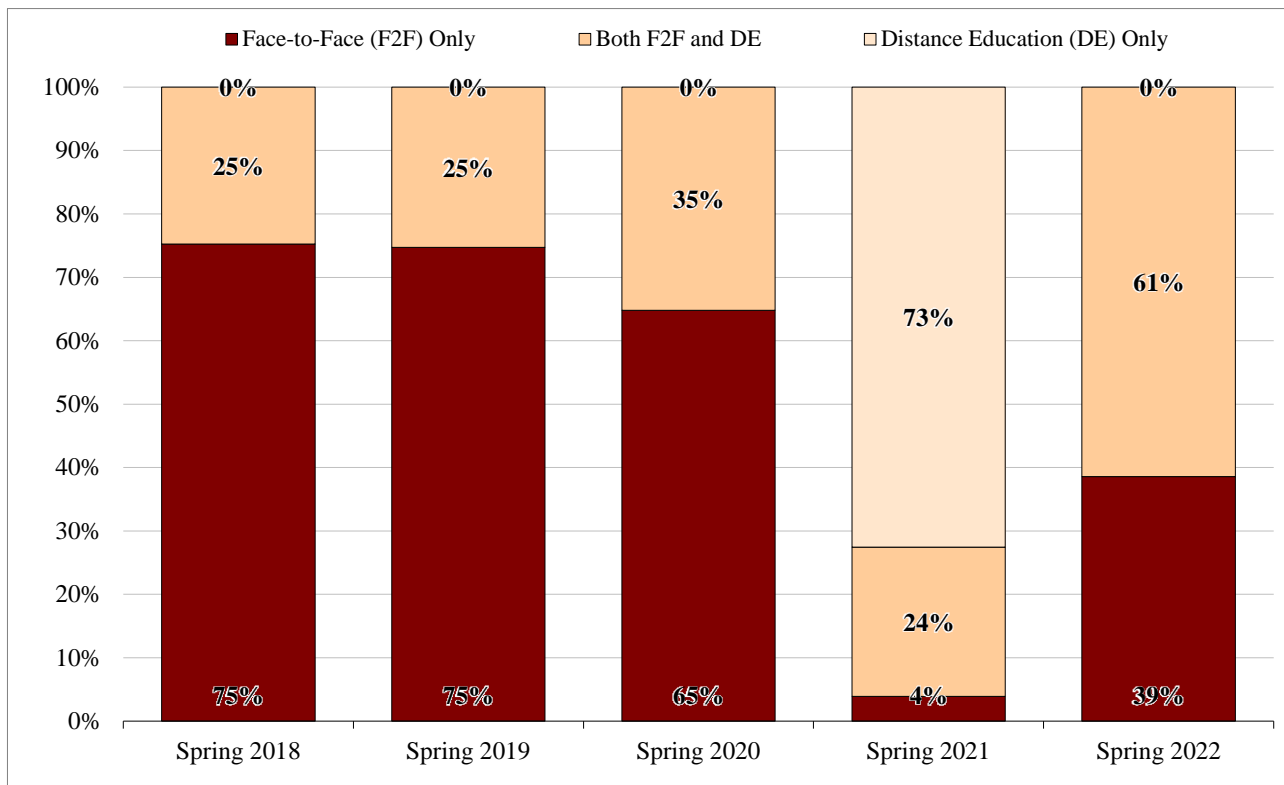
Student Unit Load

Chemistry (CHEM)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Full-Time (15+ units)	151	145	152	152	107
Full-Time (12 - 14.5)	155	140	154	112	120
Part-Time (6 - 11.5)	99	118	119	111	108
Part-Time (0.5 - 5.5)	19	40	38	33	28
Non-Credit Only	0	0	0	0	0
% Full-Time (15+ units)	36%	33%	33%	37%	29%
% Full-Time (12 - 14.5)	37%	32%	33%	27%	33%
% Part-Time (6 - 11.5)	23%	27%	26%	27%	30%
% Part-Time (0.5 - 5.5)	4%	9%	8%	8%	8%
% Non-Credit Only	0%	0%	0%	0%	0%



Students Using Distance Education

Chemistry (CHEM)					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Face-to-Face (F2F) Only	319	331	300	16	140
Both F2F and DE	105	112	163	96	223
Distance Education (DE) Only	0	0	0	296	0
% Face-to-Face (F2F) Only	75%	75%	65%	4%	39%
% Both F2F and DE	25%	25%	35%	24%	61%
% Distance Education (DE) Only	0%	0%	0%	73%	0%

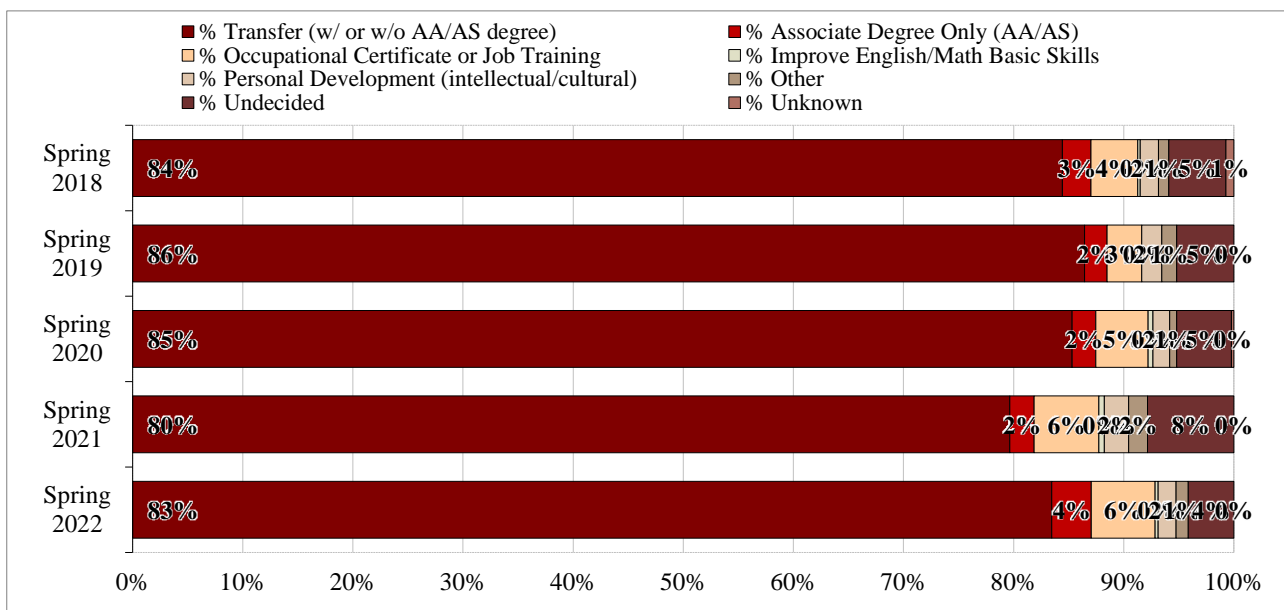


Definitions:

Distance Education (DE) includes enrollments in courses with section numbers designated as courses with 51% or more of instruction delivered online. Due to the COVID-19 pandemic, 2020-21 DE courses were distinguished through provisional designations.

Student Educational Goal

Chemistry (CHEM)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Transfer (w/ or w/o AA/AS degree)	358	383	395	325	303
Associate Degree Only (AA/AS)	11	9	10	9	13
Occupational Certificate or Job Training	18	14	22	24	21
Improve English/Math Basic Skills	1	0	2	2	1
Personal Development (intellectual/cultural)	7	8	7	9	6
Other	4	6	3	7	4
Undecided	22	23	23	32	15
Unknown	3	0	1	0	0
% Transfer (w/ or w/o AA/AS degree)	84%	86%	85%	80%	83%
% Associate Degree Only (AA/AS)	3%	2%	2%	2%	4%
% Occupational Certificate or Job Training	4%	3%	5%	6%	6%
% Improve English/Math Basic Skills	<1%	0%	<1%	0%	<1%
% Personal Development (intellectual/cultural)	2%	2%	2%	2%	2%
% Other	1%	1%	1%	2%	1%
% Undecided	5%	5%	5%	8%	4%
% Unknown	1%	0%	<1%	0%	0%



Definitions:

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

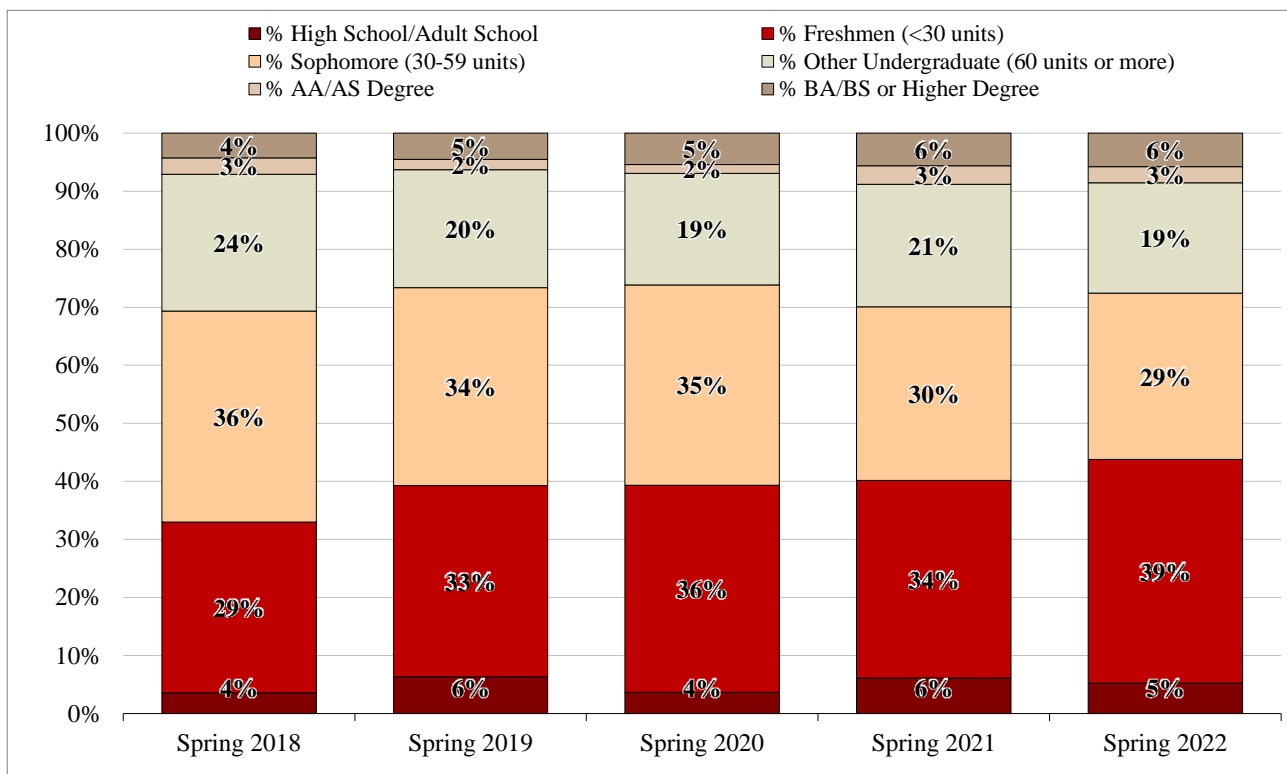
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

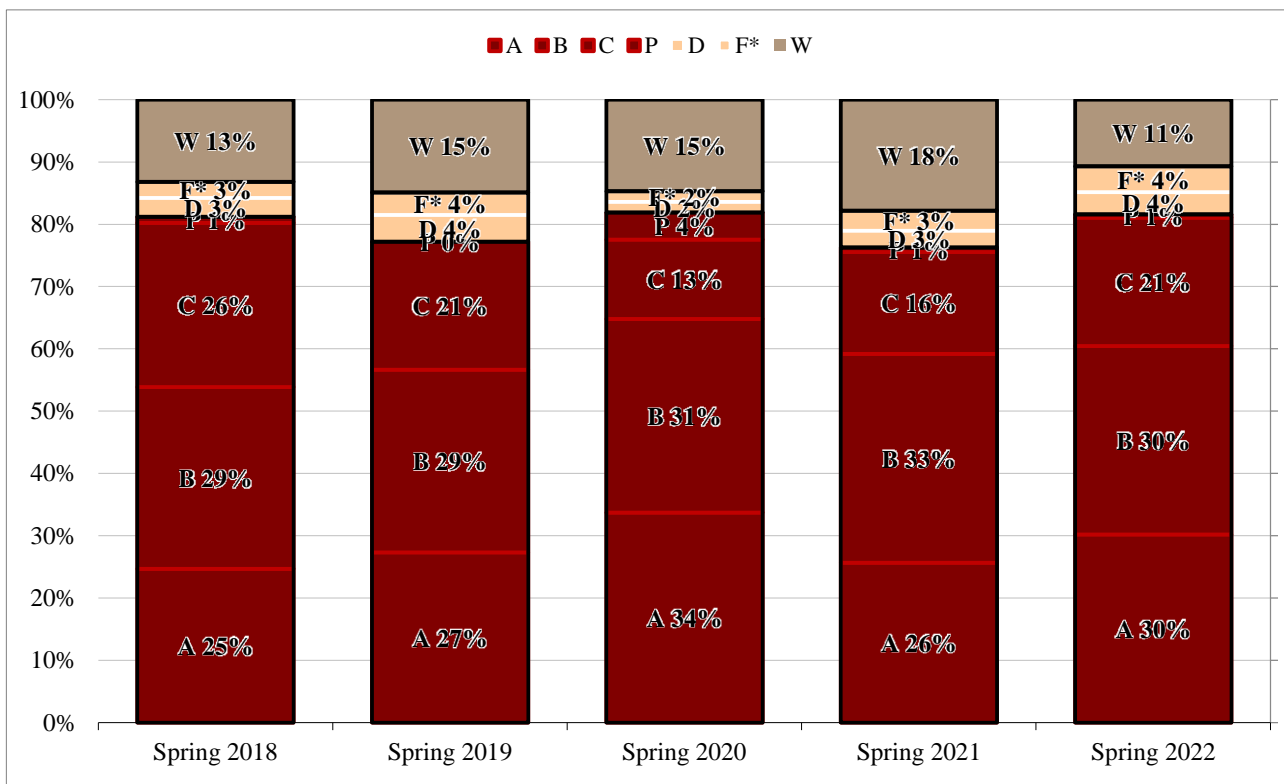
Highest Educational Level of Students

Chemistry (CHEM)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
High School/Adult School	15	28	17	25	19
Freshmen (<30 units)	125	146	165	139	140
Sophomore (30-59 units)	154	151	160	122	104
Other Undergraduate (60 units or more)	100	90	89	86	69
AA/AS Degree	12	8	7	13	10
BA/BS or Higher Degree	18	20	25	23	21
% High School/Adult School	4%	6%	4%	6%	5%
% Freshmen (<30 units)	29%	33%	36%	34%	39%
% Sophomore (30-59 units)	36%	34%	35%	30%	29%
% Other Undergraduate (60 units or more)	24%	20%	19%	21%	19%
% AA/AS Degree	3%	2%	2%	3%	3%
% BA/BS or Higher Degree	4%	5%	5%	6%	6%



Student Performance: Grade Distribution

Chemistry (CHEM)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Total Course Enrollments	425	443	463	409	364
Course Success Rates	81%	77%	82%	76%	82%
A	25%	27%	34%	26%	30%
B	29%	29%	31%	33%	30%
C	26%	21%	13%	16%	21%
P	1%	0%	4%	1%	1%
Course Non-Success Rate	6%	8%	3%	6%	8%
D	3%	4%	2%	3%	4%
F*	3%	4%	2%	3%	4%
Withdrawals (See Note)	13%	15%	15%	18%	11%



Definitions:

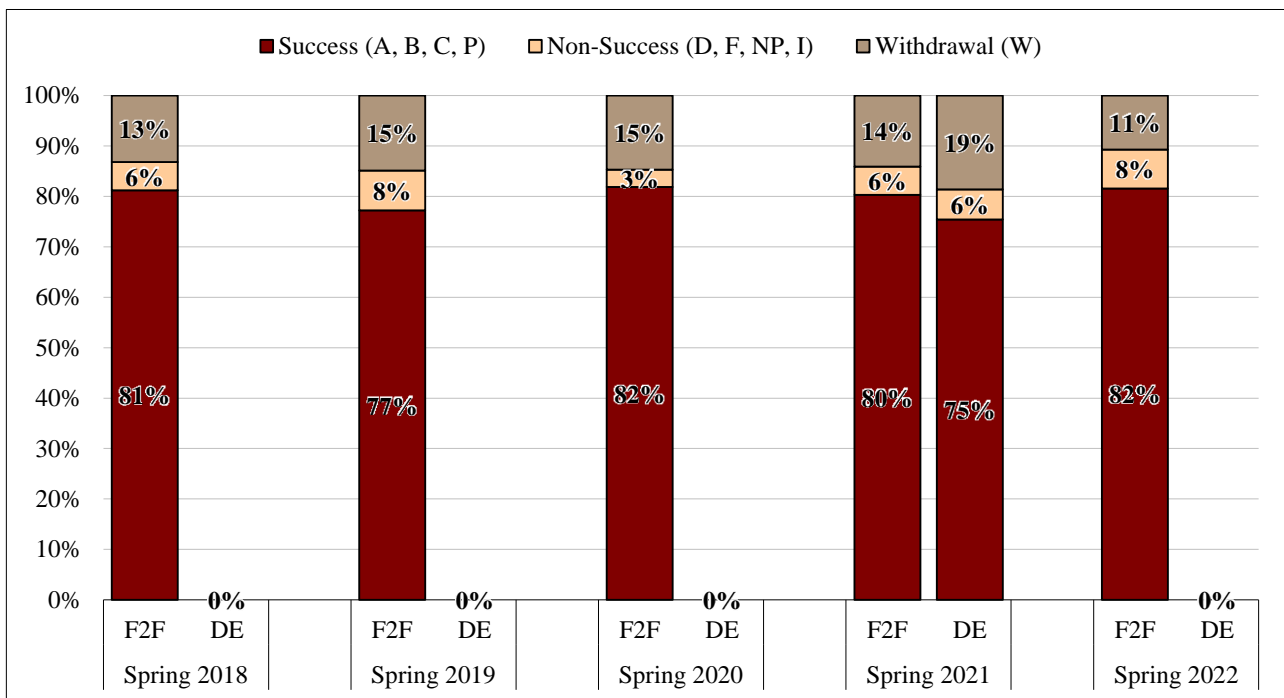
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D' or F* (includes: 'F', 'NP', 'I', '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				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Total Course Enrollments	425	443	463	409	364
Face-to-Face (F2F) Sections	425	443	463	71	364
Success Rates	81%	77%	82%	80%	82%
Non-Success Rates	6%	8%	3%	6%	8%
Withdrawals	13%	15%	15%	14%	11%
Distance Education (DE) Sections	0	0	0	338	0
Success Rates	—	—	—	75%	—
Non-Success Rates	—	—	—	6%	—
Withdrawals	—	—	—	19%	—



Definitions:

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

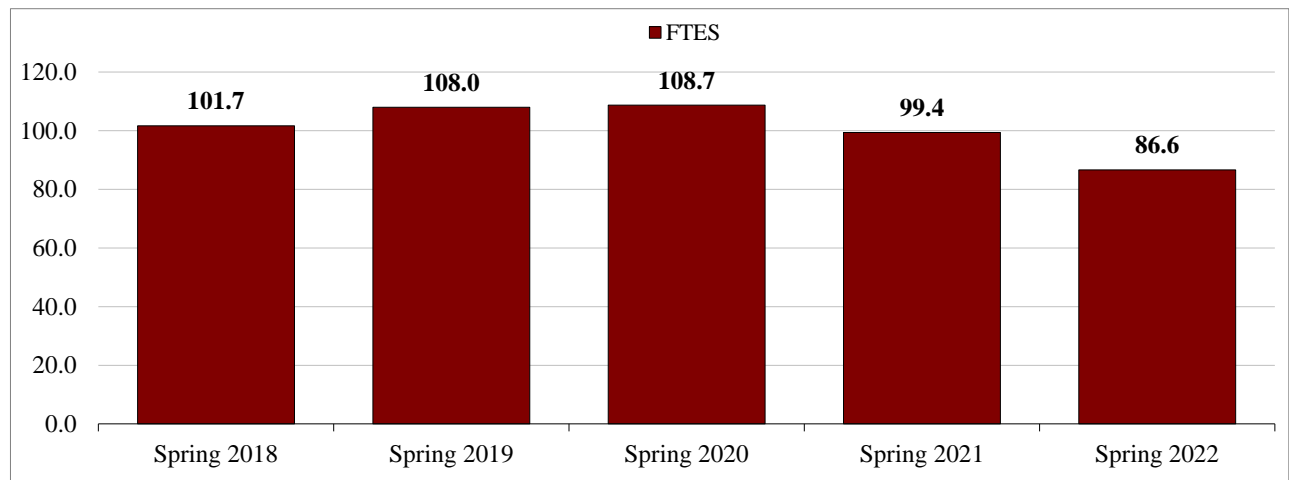
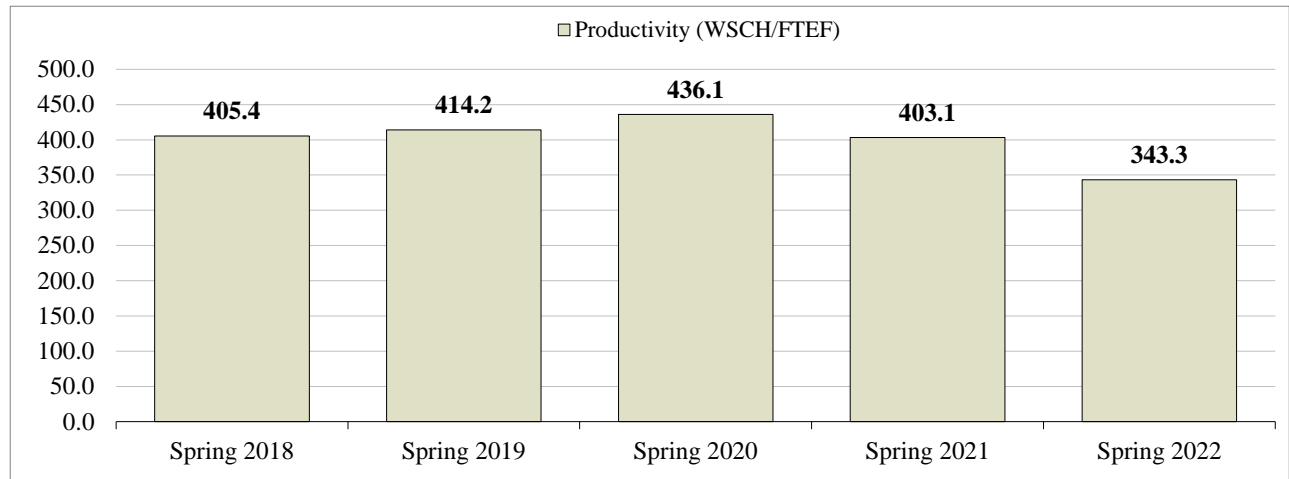
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

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				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
WSCH	3,132	3,272	3,369	3,033	2,652
FTES	101.7	108.0	108.7	99.4	86.6
FTEF	7.7	7.9	7.7	7.5	7.7
Productivity (WSCH/FTEF)	405.4	414.2	436.1	403.1	343.3



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.

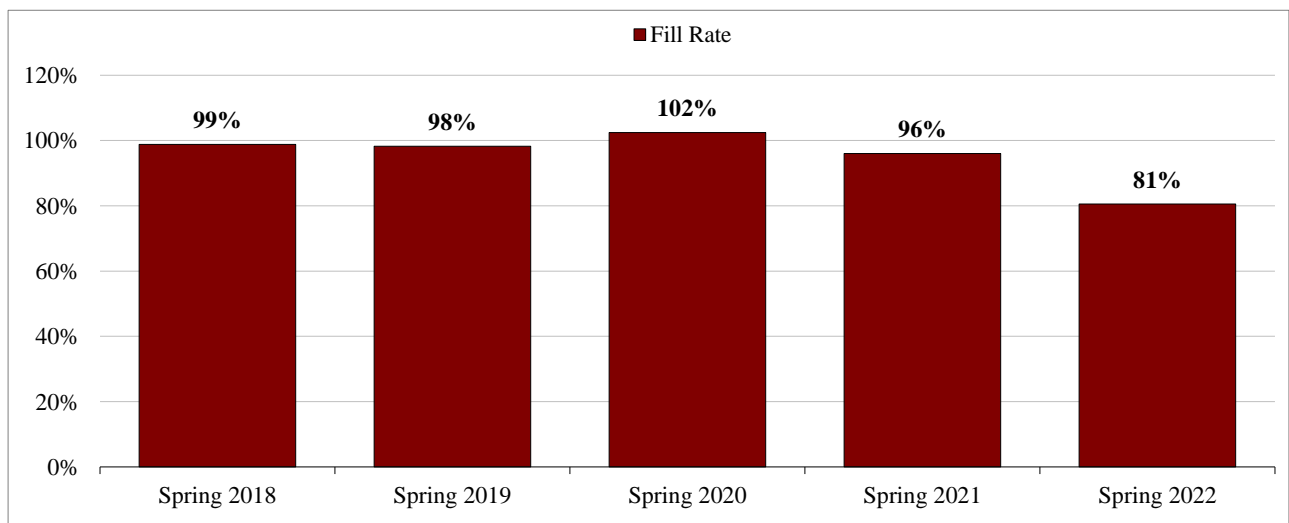
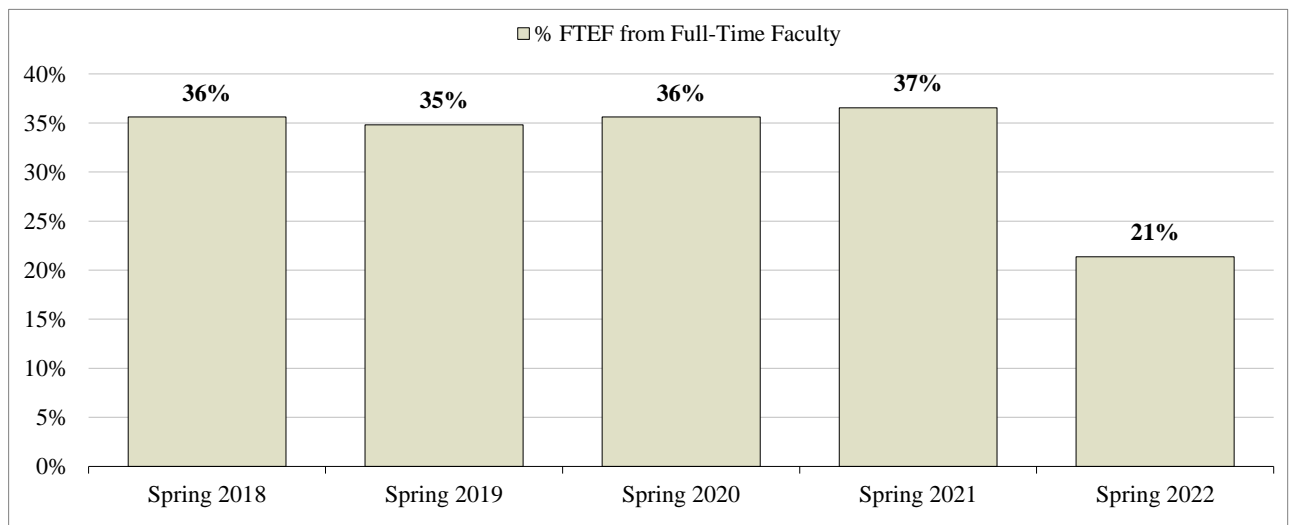
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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

Note: Enrollment Management data are of all courses accounted except NTUT / TUTR 200; latest data accessed on 7/20/21.

Enrollment Management: Part 2

Chemistry (CHEM)					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
FTEF from Full-Time Faculty	2.8	2.8	2.8	2.8	1.7
% FTEF from Full-Time Faculty	36%	35%	36%	37%	21%
Enrollments	425	443	463	409	364
Capacity (seats available)	430	451	452	426	452
Fill Rate	99%	98%	102%	96%	81%



Definitions:

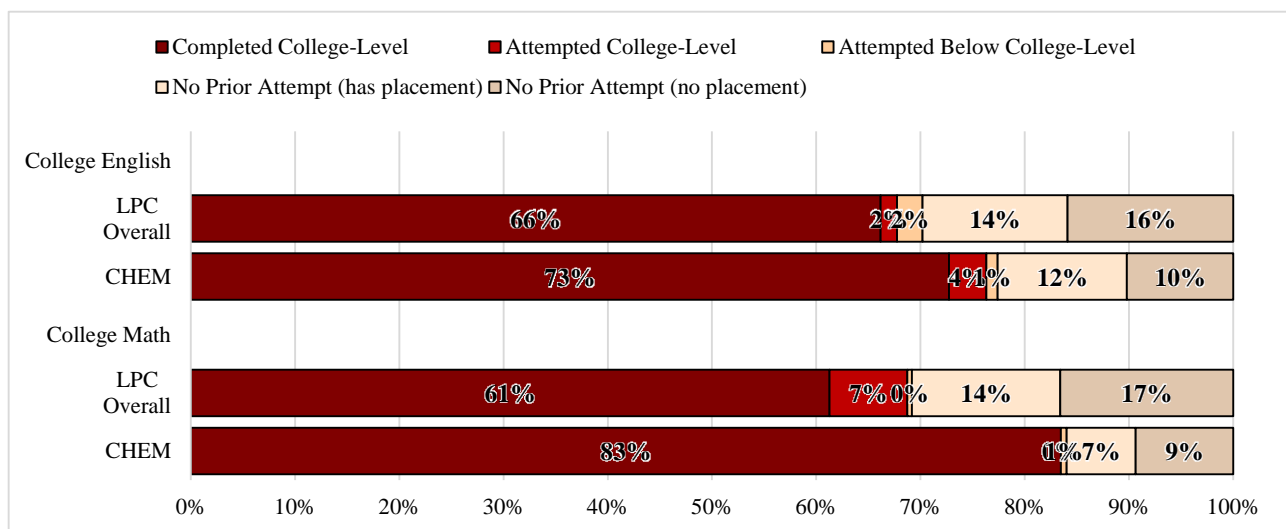
Fill Rate is number of enrollments over the total capacity (seats available).

% 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

Spring 2022				
	CHEM		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	264	73%	4,022	61%
Attempted College-level	13	4%	490	7%
Attempted Below College-level	4	1%	30	0%
No Prior Attempt (has placement)	45	12%	934	14%
No Prior Attempt (no placement)	37	10%	1,089	17%
College Math				
Completed College-level	303	83%	4,345	66%
Attempted College-level	0	0%	103	2%
Attempted Below College-level	2	1%	160	2%
No Prior Attempt (has placement)	24	7%	914	14%
No Prior Attempt (no placement)	34	9%	1,043	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.