



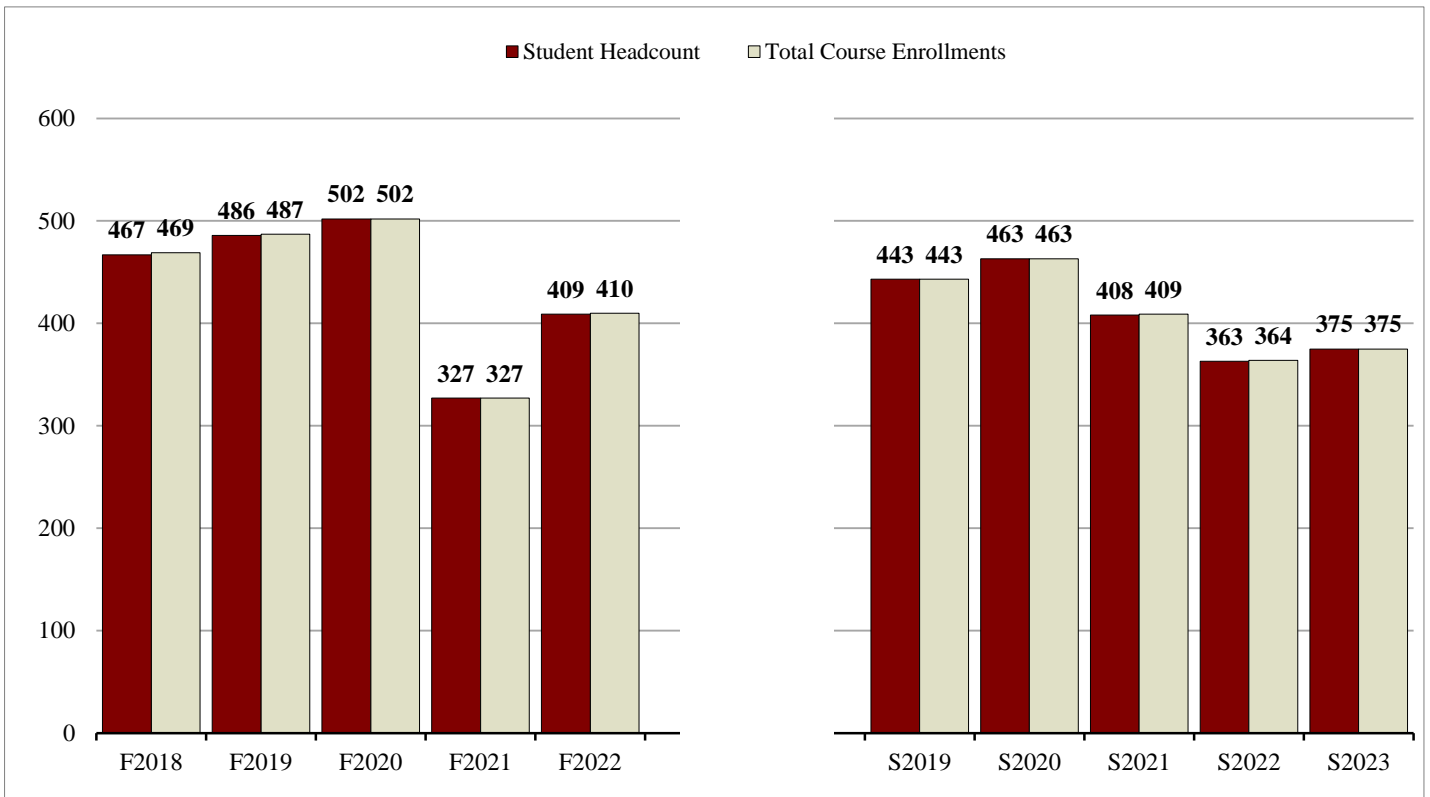
Las Positas College
Discipline Program Review Data Packet
Fall 2018 to Spring 2023

Discipline:
Chemistry (CHEM)

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Headcount & Enrollment

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Student Headcount	467	486	502	327	409	443	463	408	363	375
Total Course Enrollments	469	487	502	327	410	443	463	409	364	375



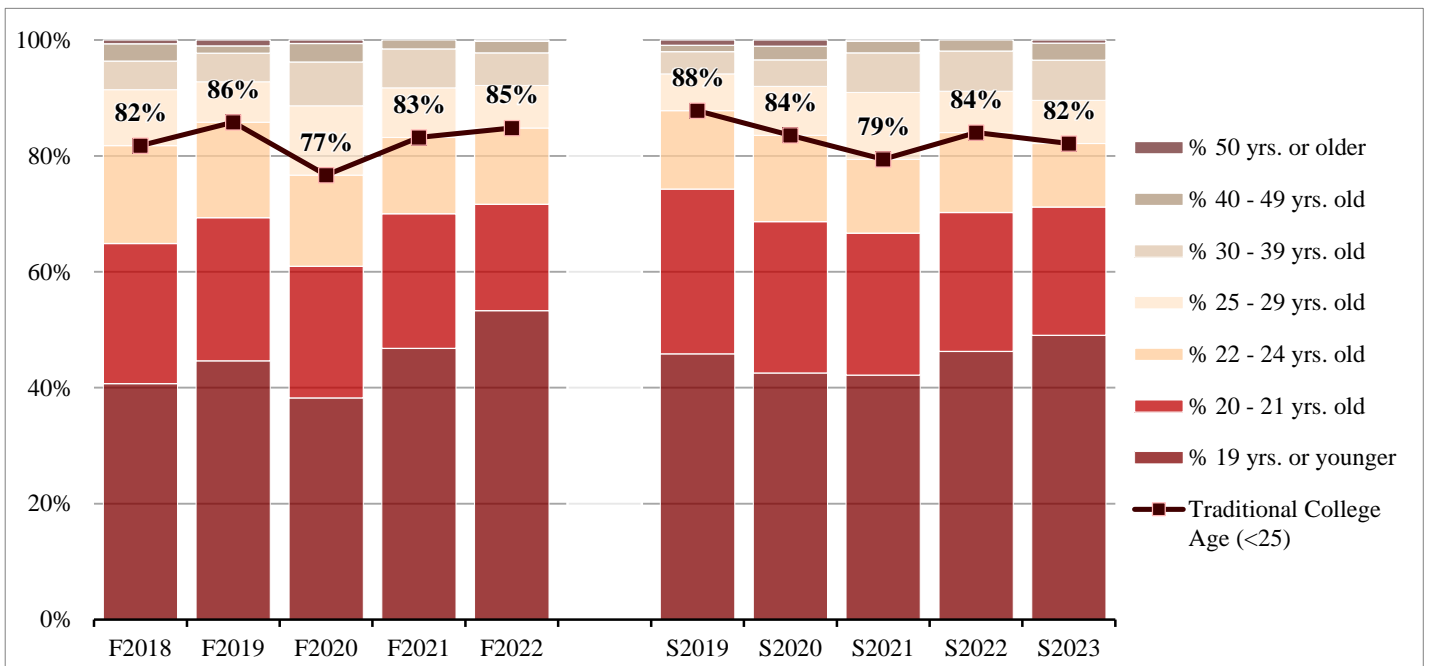
Definitions:

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.

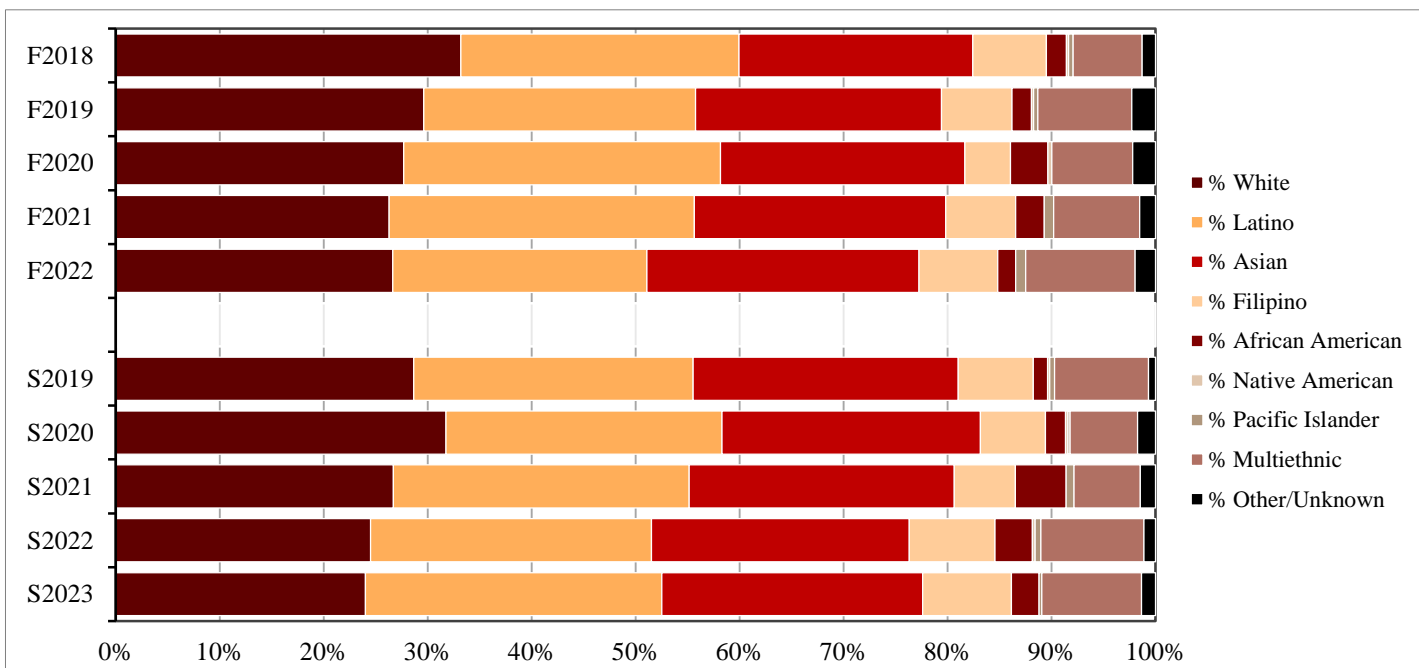
Student Demographics: Gender & Age

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Female	253	274	305	186	234	242	262	253	211	208
Male	208	205	192	135	171	191	194	151	151	161
19 yrs. or younger	190	217	192	153	218	203	197	172	168	184
20-21 yrs. old	113	120	114	76	75	126	121	100	87	83
22-24 yrs. old	79	80	79	43	54	60	69	52	50	41
25-29 yrs. old	45	34	60	28	30	28	39	47	26	28
30-39 yrs. old	23	24	38	22	23	17	21	28	25	26
40-49 yrs. old	14	6	16	5	8	5	11	8	7	11
50 yrs. or older	3	5	3	0	1	4	5	1	0	2
% Female	55%	57%	61%	58%	58%	56%	57%	63%	58%	56%
% Male	45%	43%	39%	42%	42%	44%	43%	37%	42%	44%
% 19 yrs. or younger	41%	45%	38%	47%	53%	46%	43%	42%	46%	49%
% 20 - 21 yrs. old	24%	25%	23%	23%	18%	28%	26%	25%	24%	22%
% 22 - 24 yrs. old	17%	16%	16%	13%	13%	14%	15%	13%	14%	11%
% 25 - 29 yrs. old	10%	7%	12%	9%	7%	6%	8%	12%	7%	7%
% 30 - 39 yrs. old	5%	5%	8%	7%	6%	4%	5%	7%	7%	7%
% 40 - 49 yrs. old	3%	1%	3%	2%	2%	1%	2%	2%	2%	3%
% 50 yrs. or older	1%	1%	1%	0%	<1%	1%	1%	<1%	0%	1%



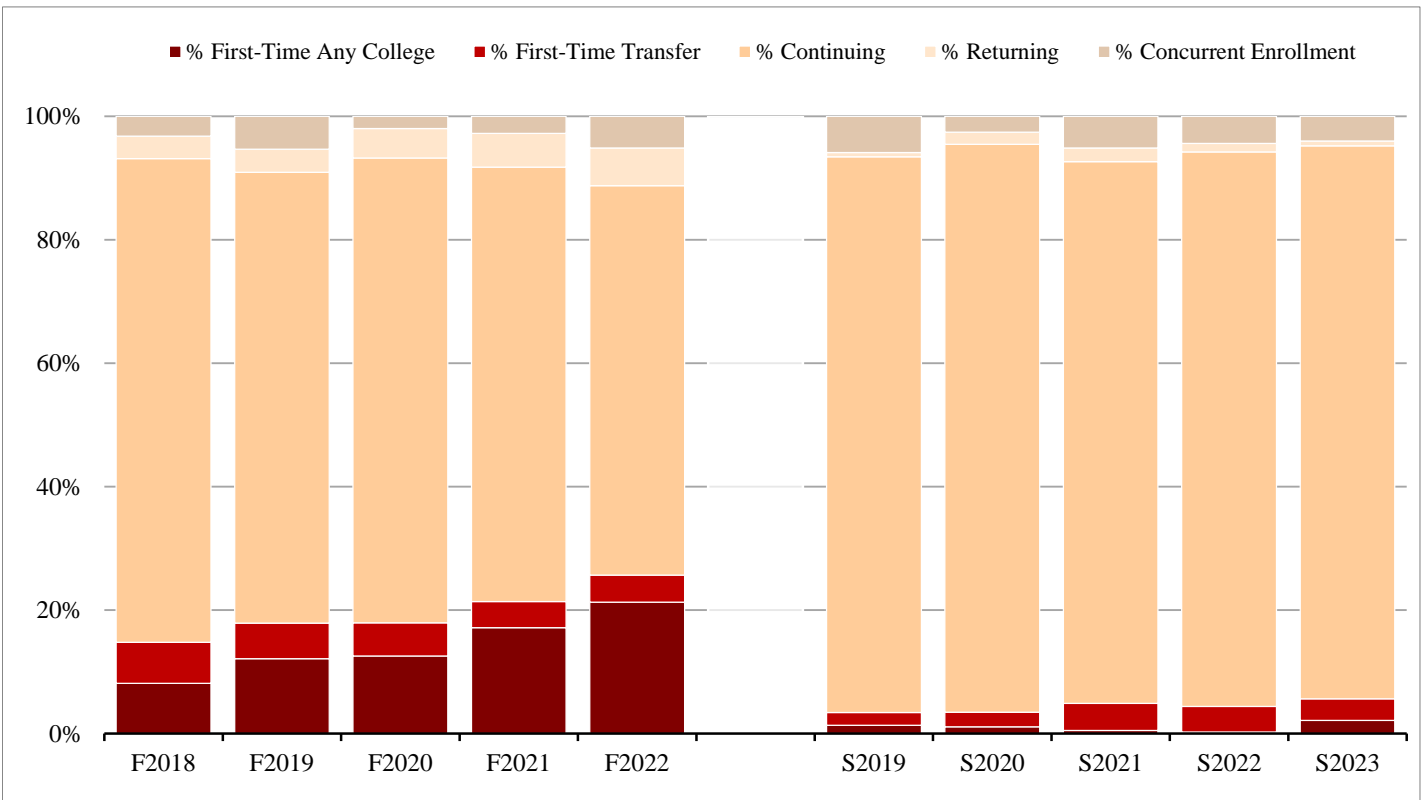
Student Demographic: Race-Ethnicity

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
African American	9	9	18	9	7	6	9	20	13	10
Asian	105	115	118	79	107	113	115	104	90	94
Filipino	33	33	22	22	31	32	29	24	30	32
Latino	125	127	153	96	100	119	123	116	98	107
Native American	1	1	2	0	0	1	1	0	1	0
Pacific Islander	2	2	0	3	4	2	1	3	2	1
White	155	144	139	86	109	127	147	109	89	90
Multiethnic	31	44	39	27	43	40	30	26	36	36
Other/Unknown	6	11	11	5	8	3	8	6	4	5
% African American	2%	2%	4%	3%	2%	1%	2%	5%	4%	3%
% Asian	22%	24%	24%	24%	26%	26%	25%	25%	25%	25%
% Filipino	7%	7%	4%	7%	8%	7%	6%	6%	8%	9%
% Latino	27%	26%	30%	29%	24%	27%	27%	28%	27%	29%
% Native American	<1%	<1%	<1%	0%	0%	<1%	<1%	0%	<1%	0%
% Pacific Islander	<1%	<1%	0%	1%	1%	<1%	<1%	1%	1%	<1%
% White	33%	30%	28%	26%	27%	29%	32%	27%	25%	24%
% Multiethnic	7%	9%	8%	8%	11%	9%	6%	6%	10%	10%
% Other/Unknown	1%	2%	2%	2%	2%	1%	2%	1%	1%	1%



Student Enrollment Status

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
First-Time Any College	38	59	63	56	87	6	5	2	1	8
First-Time Transfer	31	28	27	14	18	9	11	18	15	13
Continuing	366	355	378	230	258	399	426	358	326	336
Returning	17	18	24	18	25	3	9	9	5	3
Concurrent Enrollment	15	26	10	9	21	26	12	21	16	15
% First-Time Any College	8%	12%	13%	17%	21%	1%	1%	0%	<1%	2%
% First-Time Transfer	7%	6%	5%	4%	4%	2%	2%	4%	4%	3%
% Continuing	78%	73%	75%	70%	63%	90%	92%	88%	90%	90%
% Returning	4%	4%	5%	6%	6%	1%	2%	2%	1%	1%
% Concurrent Enrollment	3%	5%	2%	3%	5%	6%	3%	5%	4%	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.

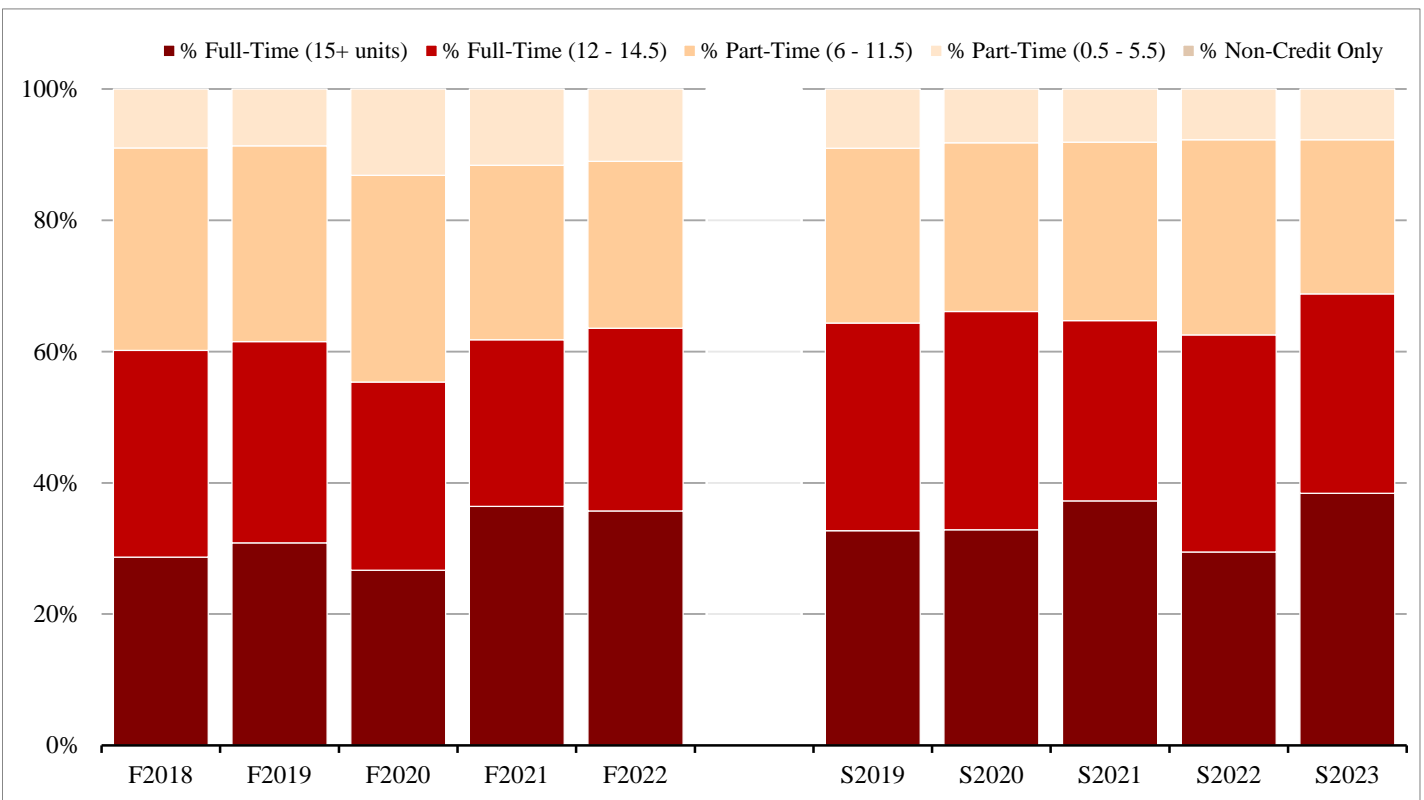
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

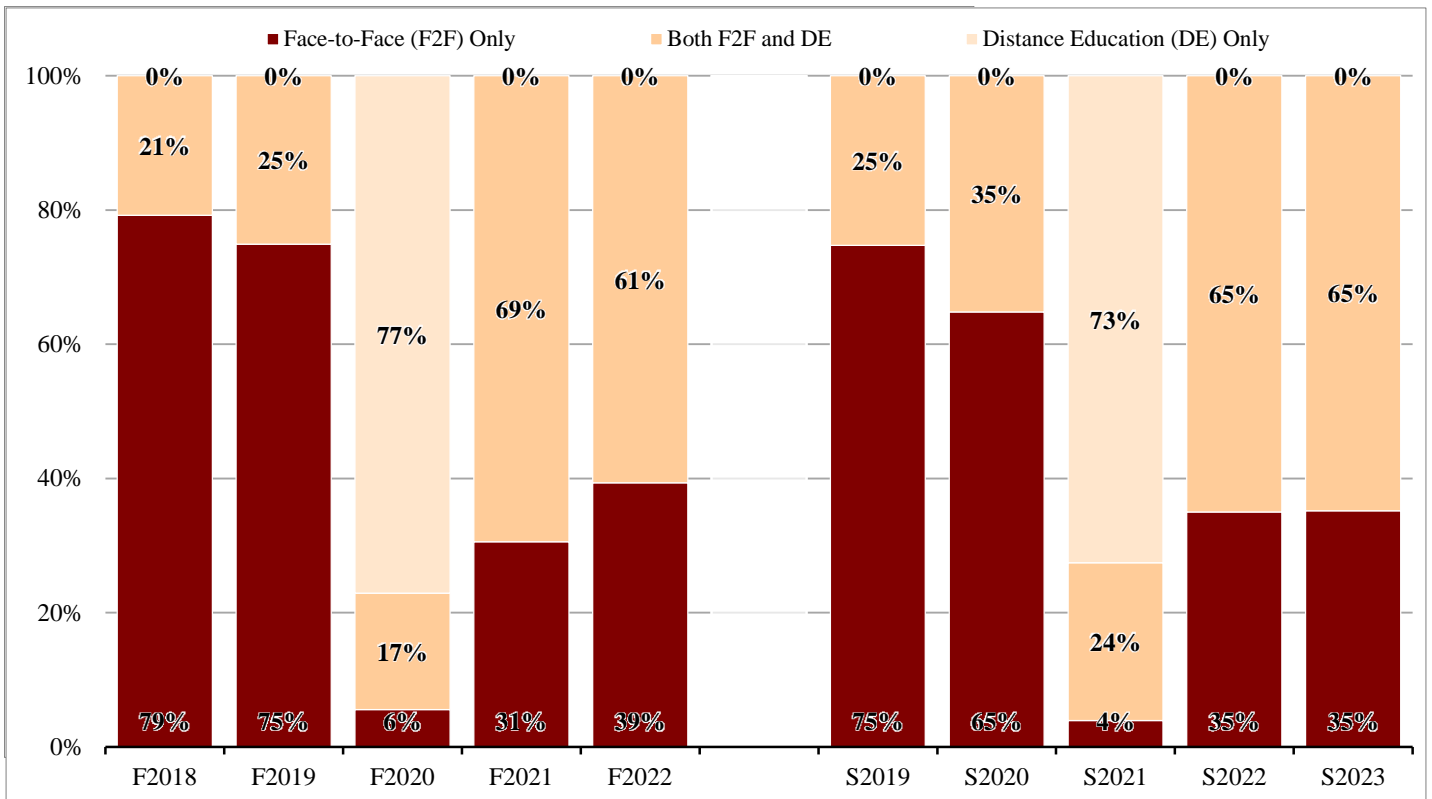
Student Unit Load

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Full-Time (15+ units)	134	150	134	119	146	145	152	152	107	144
Full-Time (12 - 14.5 units)	147	149	144	83	114	140	154	112	120	114
Part-Time (6 - 11.5 units)	144	145	158	87	104	118	119	111	108	88
Part-Time (0.5 - 5.5 units)	42	42	66	38	45	40	38	33	28	29
Non-Credit Only	0	0	0	0	0	0	0	0	0	0
% Full-Time (15+ units)	29%	31%	27%	36%	36%	33%	33%	37%	29%	38%
% Full-Time (12 - 14.5)	31%	31%	29%	25%	28%	32%	33%	27%	33%	30%
% Part-Time (6 - 11.5)	31%	30%	31%	27%	25%	27%	26%	27%	30%	23%
% Part-Time (0.5 - 5.5)	9%	9%	13%	12%	11%	9%	8%	8%	8%	8%
% Non-Credit Only	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



Students Using Distance Education

Chemistry (CHEM)										
(Categories reflect college-wide coursework)	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Face-to-Face (F2F) Only	370	364	28	100	161	331	300	16	127	132
Both F2F and DE	97	122	87	227	248	112	163	96	236	243
Distance Education (DE) Only	0	0	387	0	0	0	0	296	0	0
% Face-to-Face (F2F) Only	79%	75%	6%	31%	39%	75%	65%	4%	35%	35%
% Both F2F and DE	21%	25%	17%	69%	61%	25%	35%	24%	65%	65%
% Distance Education (DE) Only	0%	0%	77%	0%	0%	0%	0%	73%	0%	0%

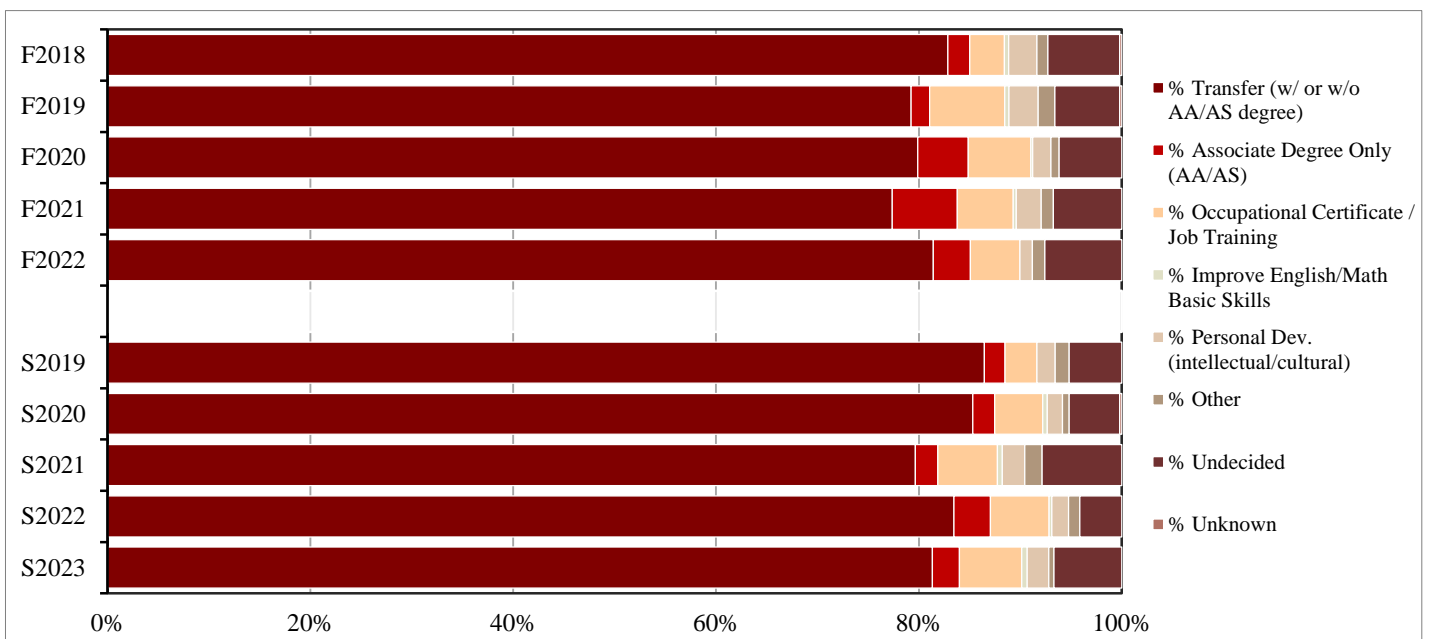


Definitions:

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)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Transfer (w/ or w/o AA/AS degree)	387	385	401	253	333	383	395	325	303	305
Associate Degree Only (AA/AS)	10	9	25	21	15	9	10	9	13	10
Occupational Certificate / Job Training	16	36	31	18	20	14	22	24	21	23
Improve English/Math Basic Skills	2	2	1	1	0	0	2	2	1	2
Personal Development (intellectual/cultural)	13	14	9	8	5	8	7	9	6	8
Other	5	8	4	4	5	6	3	7	4	2
Undecided	33	31	31	22	31	23	23	32	15	25
Unknown	1	1	0	0	0	0	1	0	0	0
% Transfer (w/ or w/o AA/AS degree)	83%	79%	80%	77%	81%	86%	85%	80%	83%	81%
% Associate Degree Only (AA/AS)	2%	2%	5%	6%	4%	2%	2%	2%	4%	3%
% Occupational Certificate / Job Training	3%	7%	6%	6%	5%	3%	5%	6%	6%	6%
% Improve English/Math Basic Skills	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	<1%	1%
% Personal Dev. (intellectual/cultural)	3%	3%	2%	2%	1%	2%	2%	2%	2%	2%
% Other	1%	2%	1%	1%	1%	1%	1%	2%	1%	1%
% Undecided	7%	6%	6%	7%	8%	5%	5%	8%	4%	7%
% Unknown	<1%	<1%	0%	0%	0%	0%	<1%	0%	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.

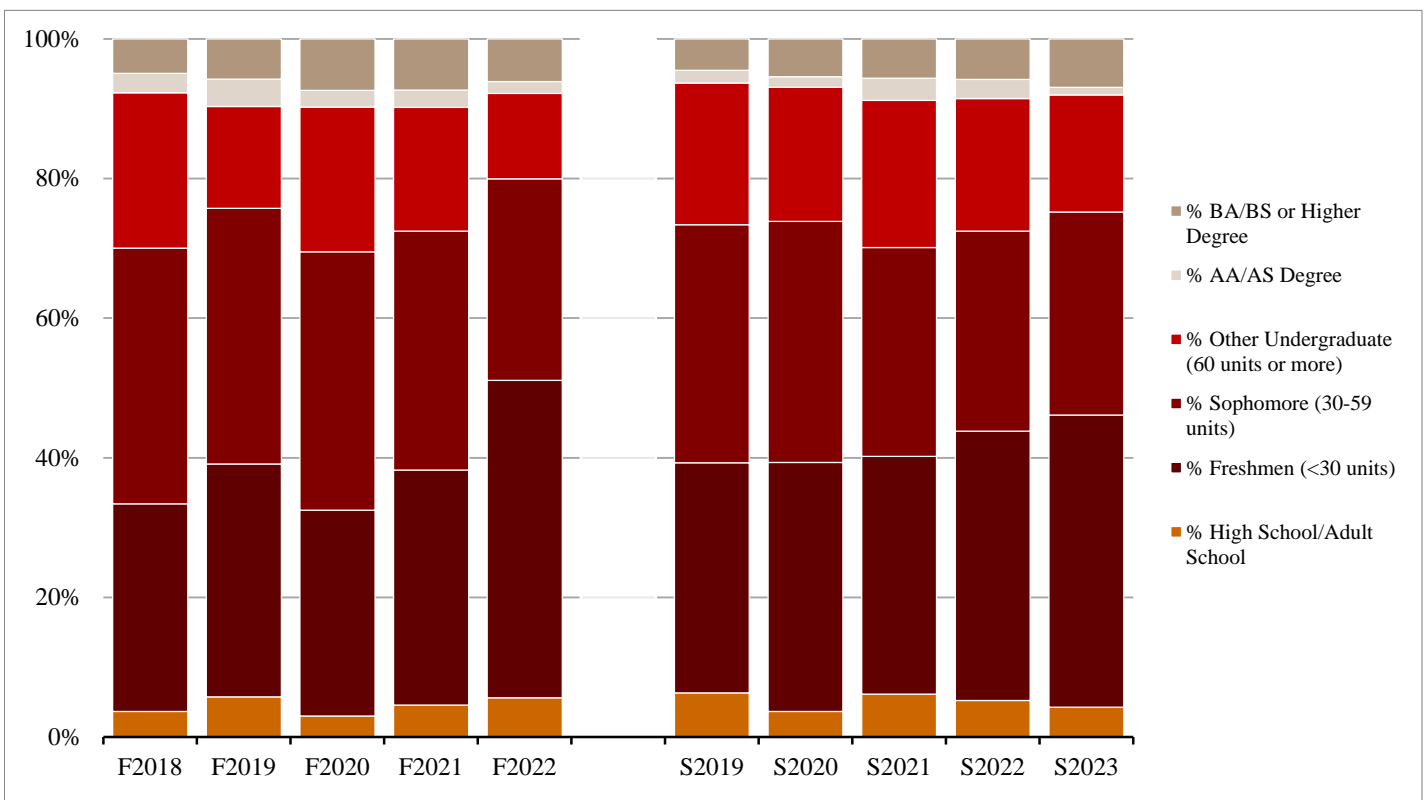
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

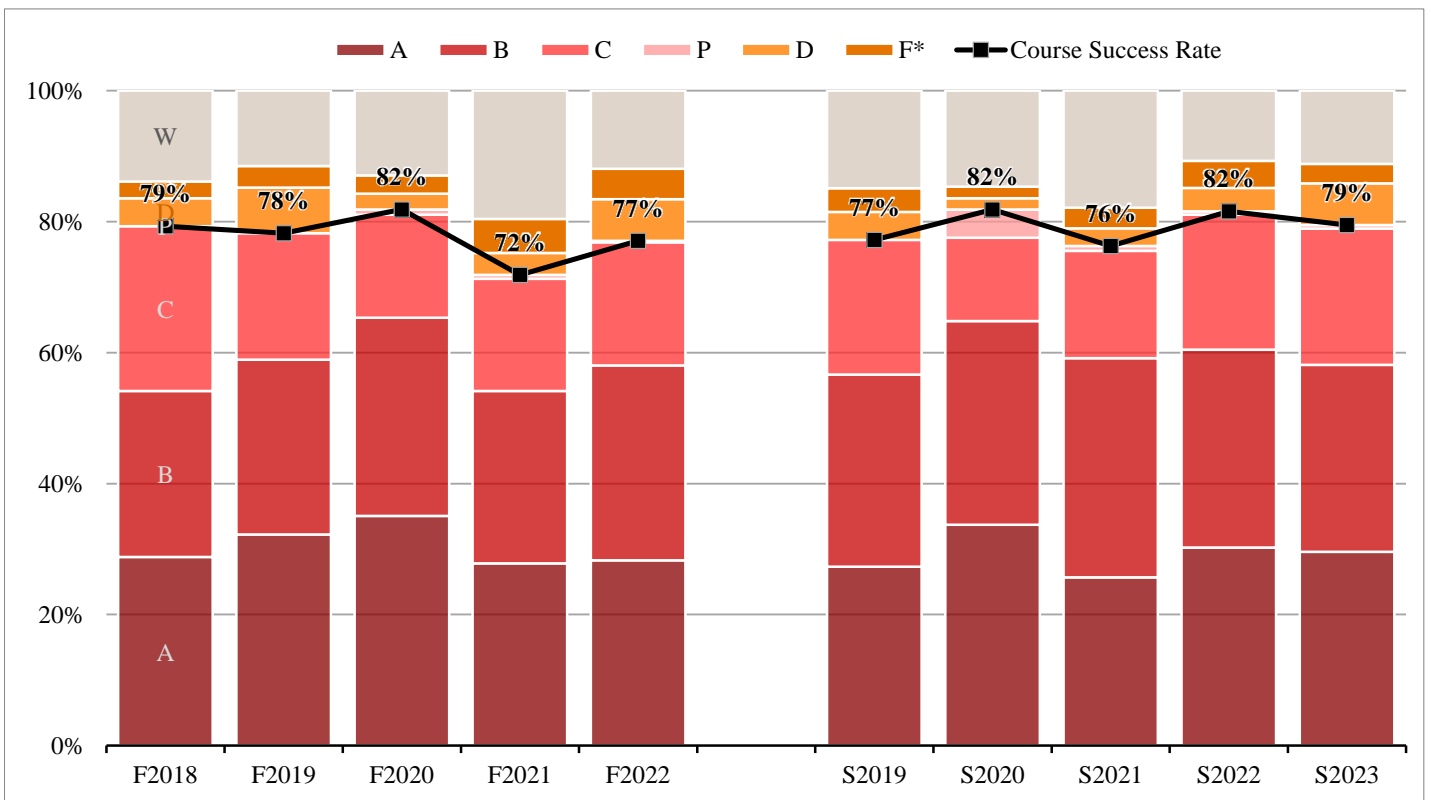
Highest Educational Level of Students

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
High School/Adult School	17	28	15	15	23	28	17	25	19	16
Freshmen (<30 units)	139	162	148	110	186	146	165	139	140	157
Sophomore (30-59 units)	171	178	186	112	118	151	160	122	104	109
Other Undergraduate (60 units or more)	104	71	104	58	50	90	89	86	69	63
AA/AS Degree	13	19	12	8	7	8	7	13	10	4
BA/BS or Higher Degree	23	28	37	24	25	20	25	23	21	26
% High School/Adult School	4%	6%	3%	5%	6%	6%	4%	6%	5%	4%
% Freshmen (<30 units)	30%	33%	29%	34%	45%	33%	36%	34%	39%	42%
% Sophomore (30-59 units)	37%	37%	37%	34%	29%	34%	35%	30%	29%	29%
% Other Undergraduate (60 units or more)	22%	15%	21%	18%	12%	20%	19%	21%	19%	17%
% AA/AS Degree	3%	4%	2%	2%	2%	2%	2%	3%	3%	1%
% BA/BS or Higher Degree	5%	6%	7%	7%	6%	5%	5%	6%	6%	7%



Student Performance: Grade Distribution

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Total Course Enrollments	469	487	502	327	410	443	463	409	364	375
Course Success Rates	79%	78%	82%	72%	77%	77%	82%	76%	82%	79%
A	29%	32%	35%	28%	28%	27%	34%	26%	30%	30%
B	25%	27%	30%	26%	30%	29%	31%	33%	30%	29%
C	25%	19%	16%	17%	19%	21%	13%	16%	21%	21%
P	0%	0%	1%	1%	<1%	0%	4%	1%	1%	1%
Course Non-Success Rate	7%	10%	5%	9%	11%	8%	3%	6%	8%	9%
D	4%	7%	2%	3%	6%	4%	2%	3%	4%	6%
F*	3%	3%	3%	5%	5%	4%	2%	3%	4%	3%
Withdrawals (See Note)	14%	11%	13%	20%	12%	15%	15%	18%	11%	11%



Definitions:

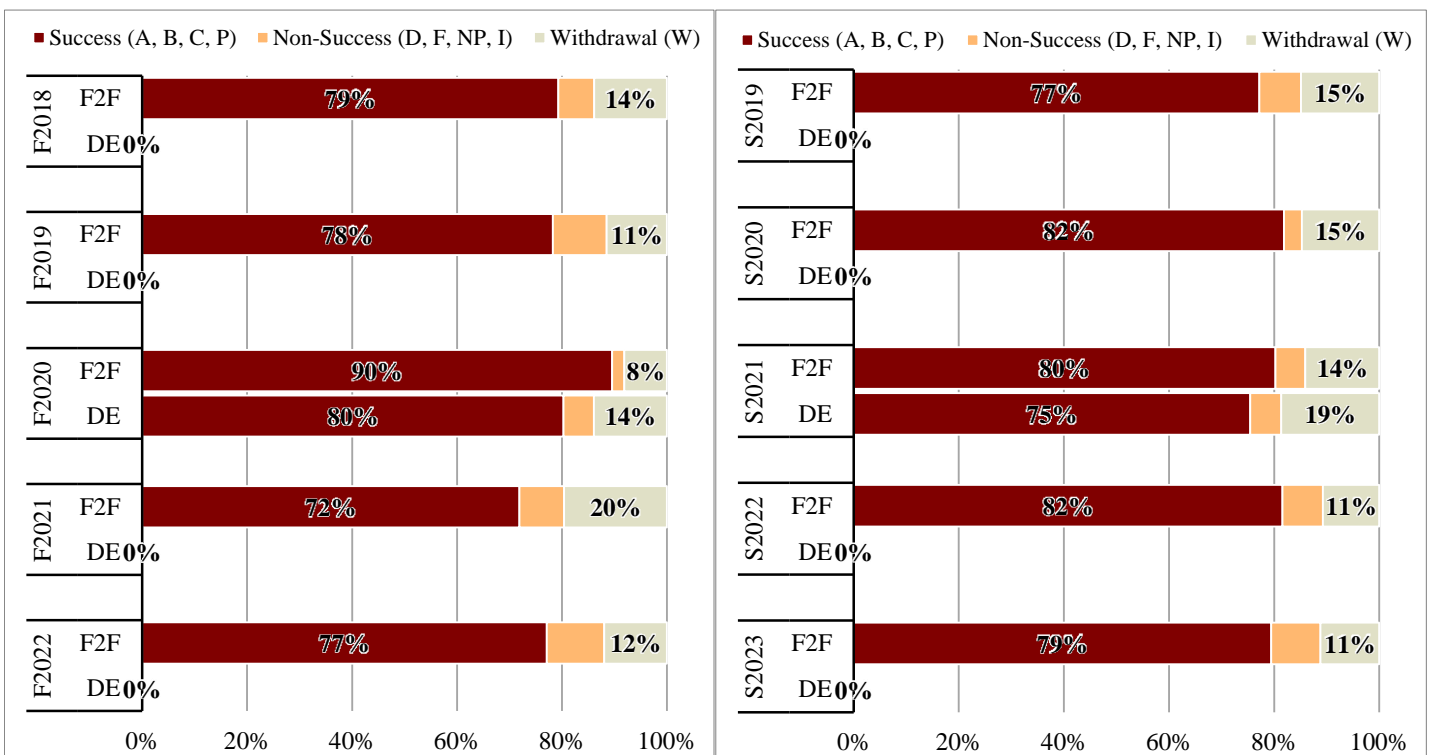
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

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)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Total Course Enrollments	469	487	502	327	410	443	463	409	364	375
Face-to-Face (F2F) Sections	469	487	86	327	410	443	463	71	364	375
Success Rates	79%	78%	90%	72%	77%	77%	82%	80%	82%	79%
Non-Success Rates	7%	10%	2%	9%	11%	8%	3%	6%	8%	9%
Withdrawals	14%	11%	8%	20%	12%	15%	15%	14%	11%	11%
Distance Education (DE) Sections	0	0	416	0	0	0	0	338	0	0
Success Rates	—	—	80%	—	—	—	—	75%	—	—
Non-Success Rates	—	—	6%	—	—	—	—	6%	—	—
Withdrawals	—	—	14%	—	—	—	—	19%	—	—



Definitions:

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

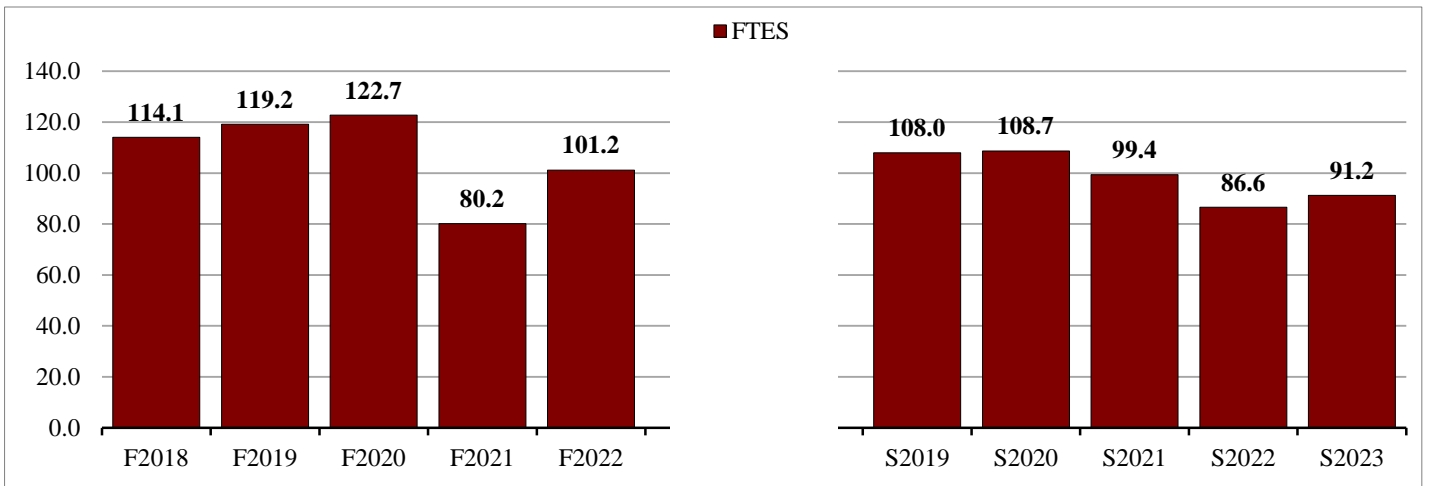
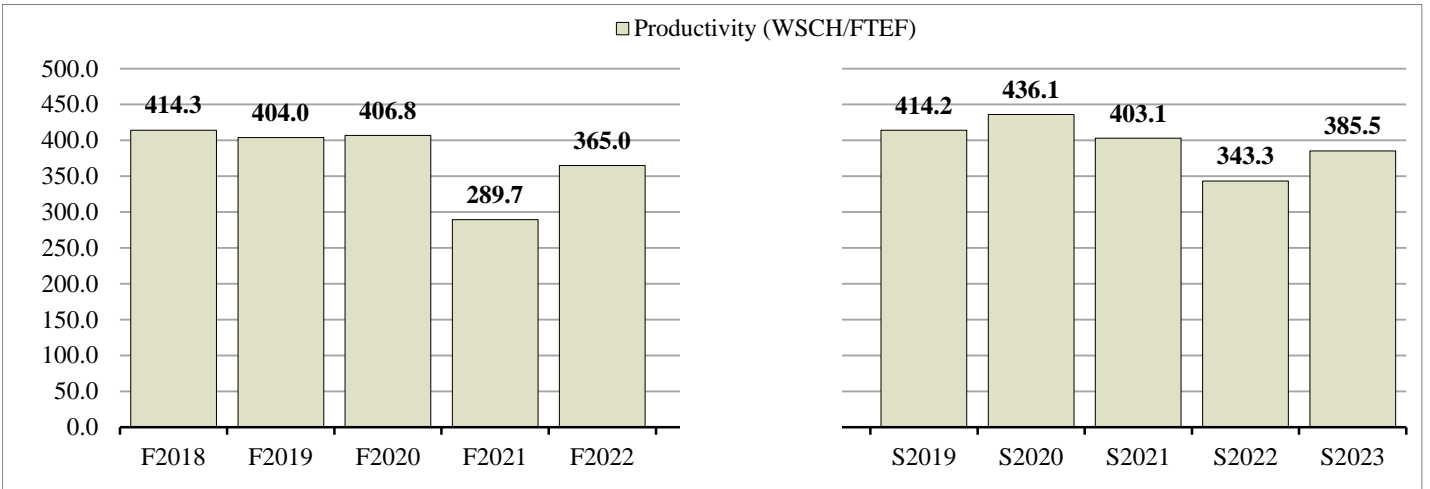
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

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)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
WSCH	3,501	3,636	3,732	2,448	3,084	3,272	3,369	3,033	2,652	2,766
FTES	114.1	119.2	122.7	80.2	101.2	108.0	108.7	99.4	86.6	91.2
FTEF	8.5	9.0	9.2	8.5	8.5	7.9	7.7	7.5	7.7	7.2
Productivity (WSCH/FTEF)	414.3	404.0	406.8	289.7	365.0	414.2	436.1	403.1	343.3	385.5



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.

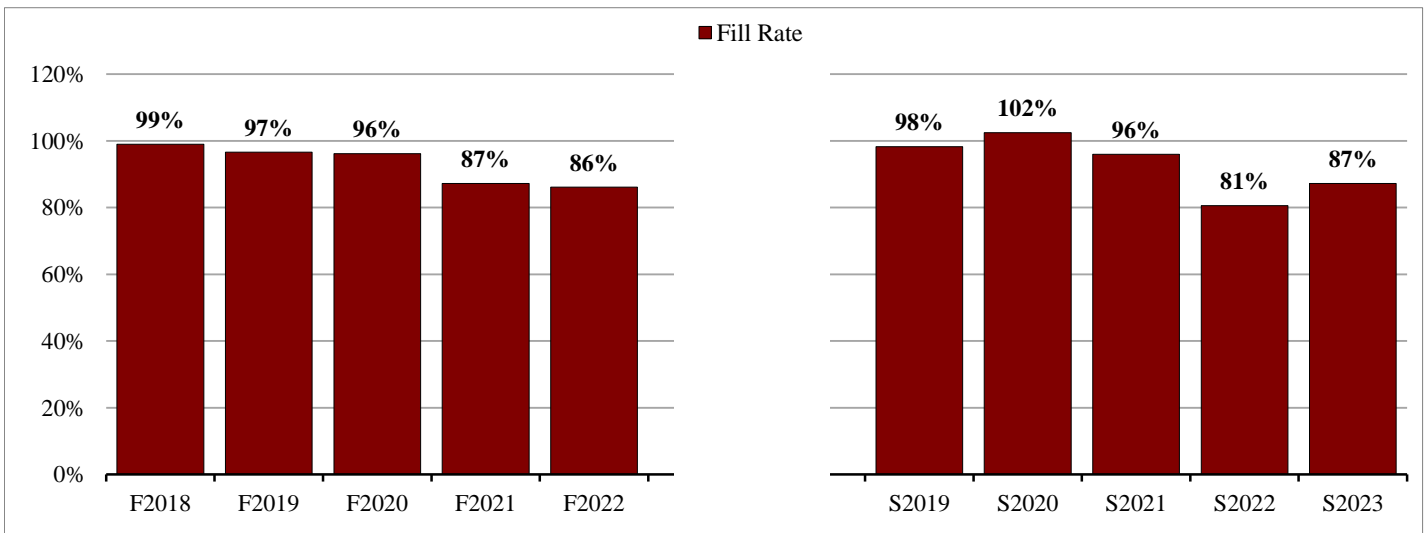
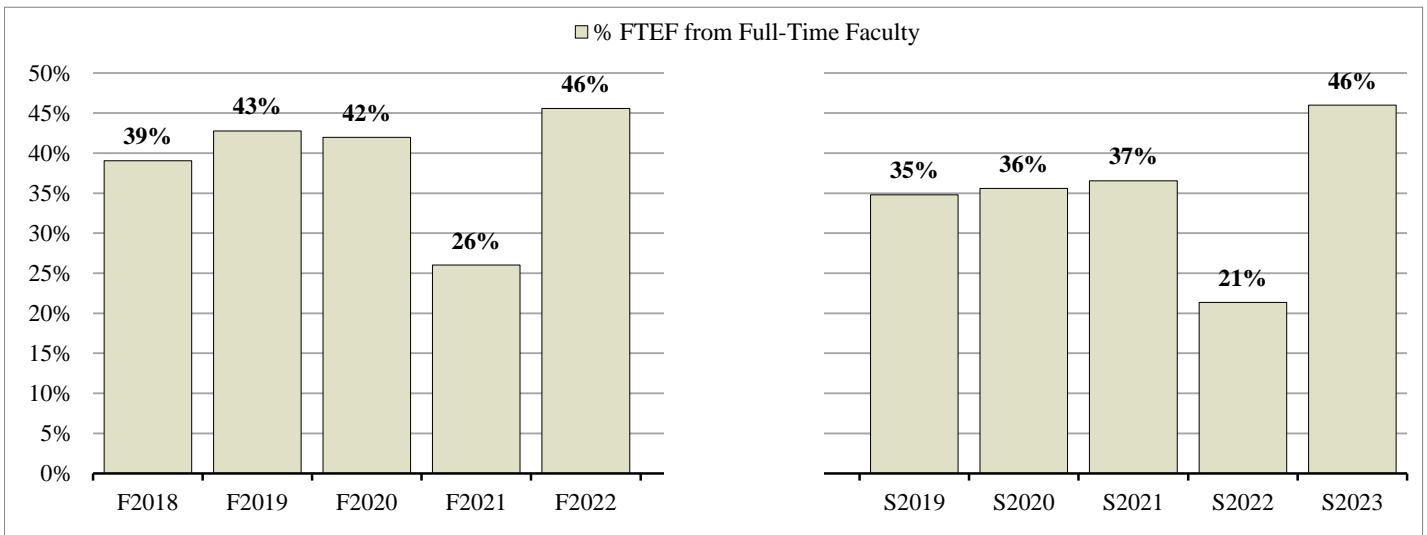
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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

Note: Enrollment Management data are of all courses accounted except NTUT / TUTR 200; latest data accessed on 7/25/23.

Enrollment Management: Part 2

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
FTEF from Full-Time Faculty	3.3	3.9	3.9	2.2	3.9	2.8	2.8	2.8	1.7	3.3
% FTEF from Full-Time Faculty	39%	43%	42%	26%	46%	35%	36%	37%	21%	46%
Enrollments	469	487	502	327	410	443	463	409	364	375
Capacity (seats available)	474	504	522	375	476	451	452	426	452	430
Fill Rate	99%	97%	96%	87%	86%	98%	102%	96%	81%	87%



Definitions:

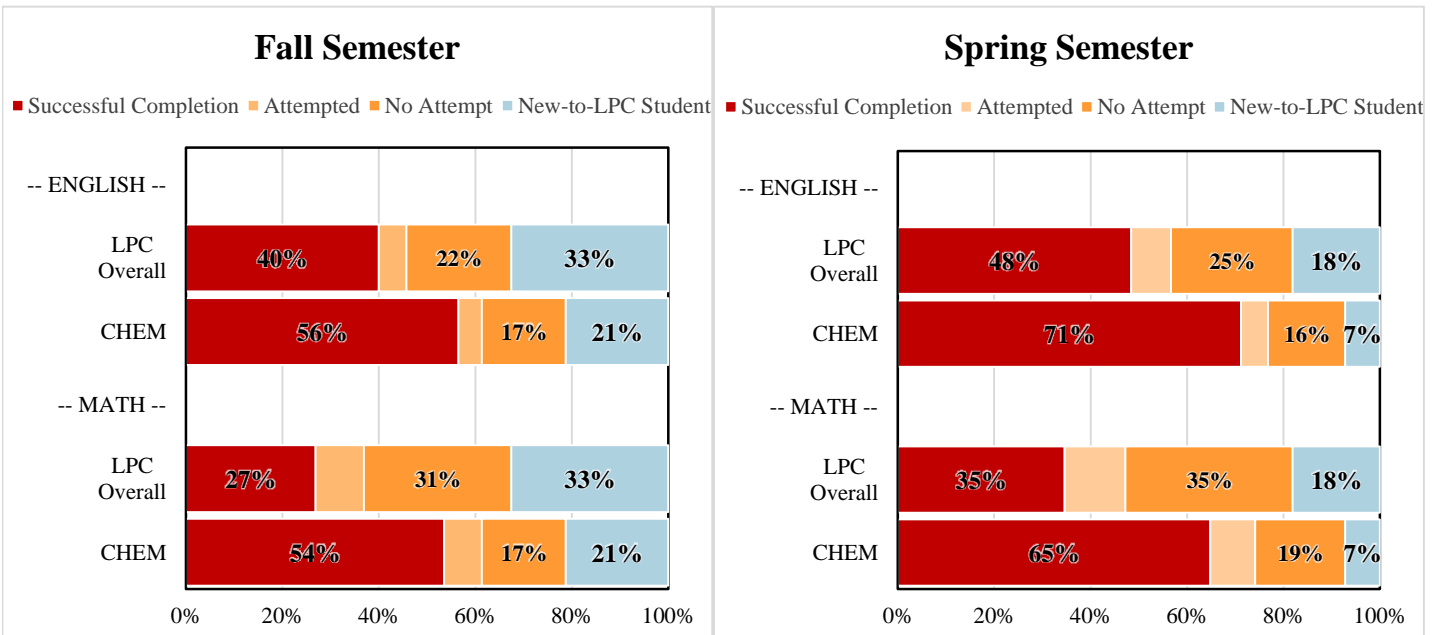
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 7/25/23.

Prior Experience in English & Math

<i>(English and math status prior to the start of the term)</i>	Fall 2022				Spring 2023			
	CHEM		LPC Overall		CHEM		LPC Overall	
	Num	Pct	Num	Pct	Num	Pct	Num	Pct
Transfer-level English								
Successful Completion*	231	56%	2,729	40%	267	71%	3,203	48%
Attempted (<i>not successful</i>)	20	5%	391	6%	21	6%	546	8%
No Attempt	71	17%	1,484	22%	60	16%	1,672	25%
New-to-LPC Student	87	21%	2,221	33%	27	7%	1,197	18%
Transfer-level Math								
Successful Completion*	219	54%	1,835	27%	243	65%	2,288	35%
Attempted (<i>not successful</i>)	32	8%	683	10%	35	9%	837	13%
No Attempt	71	17%	2,086	31%	70	19%	2,296	35%
New-to-LPC Student	87	21%	2,221	33%	27	7%	1,197	18%



Definitions:

Transfer-Level English:

- Successful Completion** = earned a passing grade in ENG 1A or 1AEX, or attempted a higher transfer-level course in the sequence in prior terms.
- Attempted (no successful completion)** = attempted ENG 1A or 1AEX in prior terms but did not receive a passing grade.
- No Prior Attempt** = no prior enrollment in transfer-level English within the sequence.
- New LPC Student** = enrollments from students with no for credit enrollments within our district prior to the current term.

Transfer-Level Math:

- Successful Completion** = earned a passing grade in a transfer-level math course or attempted a higher transfer-level course in the sequence in prior terms.
- Attempted (no successful completion)** = attempted an entry transfer-level math course in prior terms but did not receive a passing grade.
- No Prior Attempt** = no prior enrollment in transfer-level math within the sequence.
- New-to-LPC Student** = enrollments from students with no for credit enrollments within our district prior to the current term.