



Las Positas College

Discipline Program Review Data Packet

Fall 2018 to Spring 2023

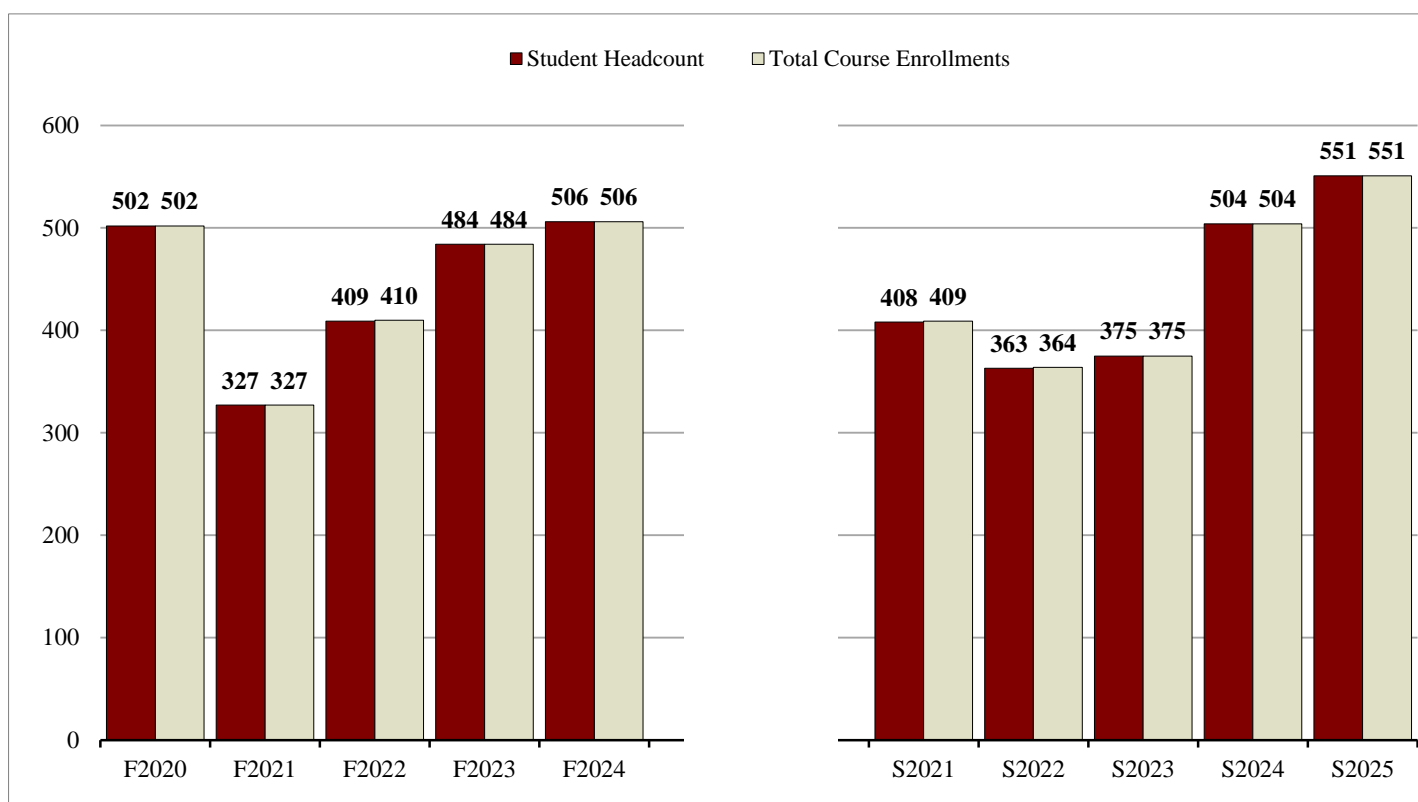
Discipline:

Chemistry (CHEM)

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Headcount & Enrollment

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Student Headcount	502	327	409	484	506	408	363	375	504	551
Total Course Enrollments	502	327	410	484	506	409	364	375	504	551



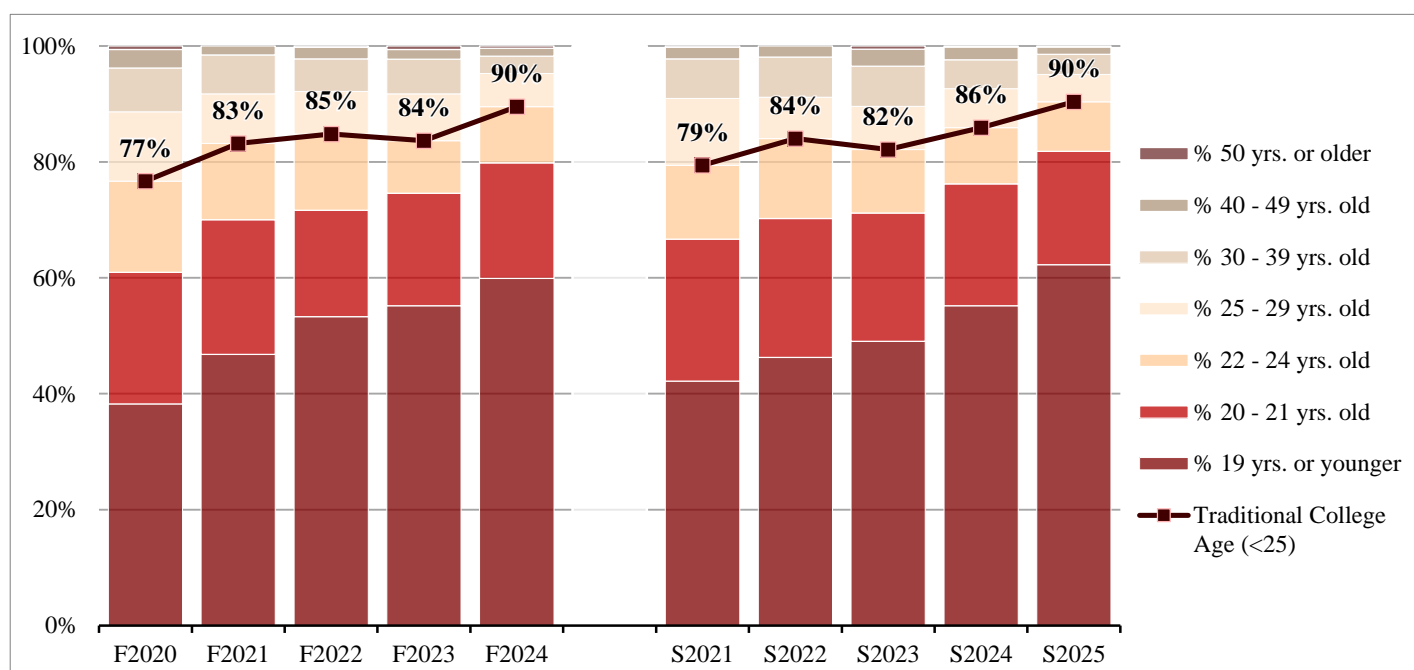
Definitions:

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.

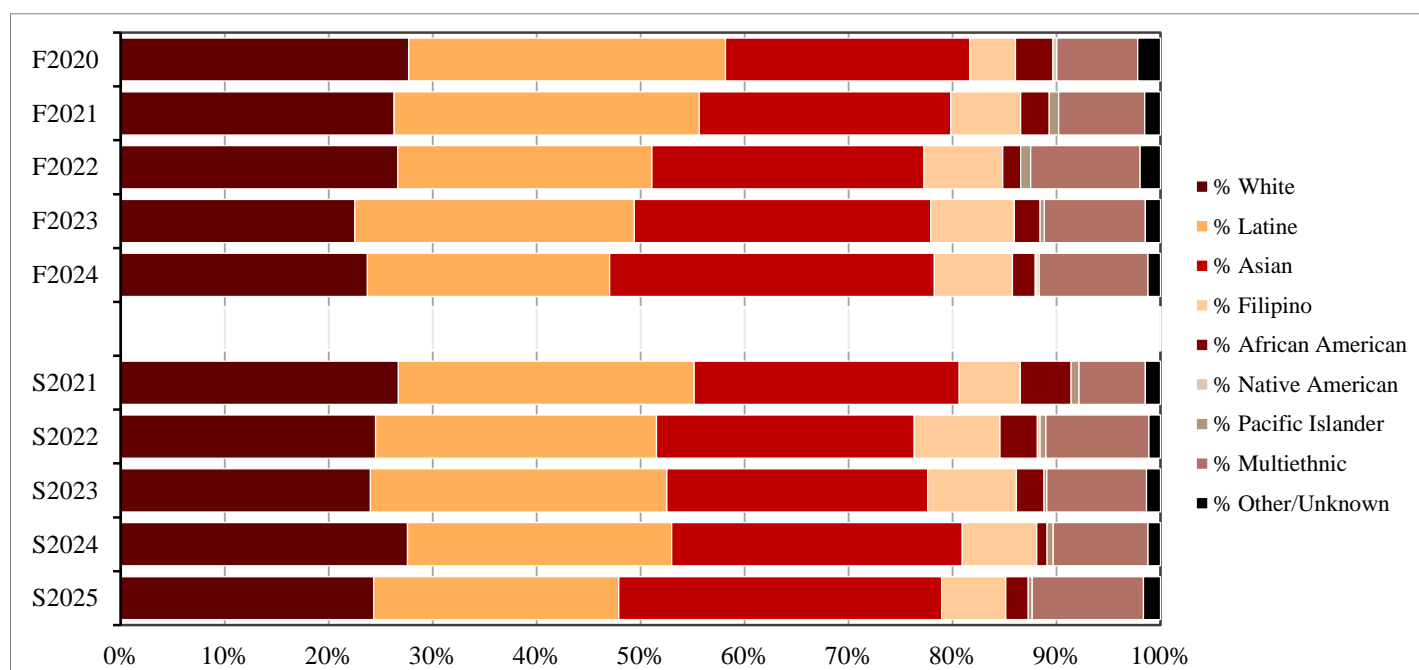
Student Demographics: Gender & Age

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Female	305	186	234	249	264	253	211	208	265	322
Male	192	135	171	212	212	151	151	161	205	223
19 yrs. or younger	192	153	218	267	303	172	168	184	278	343
20-21 yrs. old	114	76	75	94	101	100	87	83	106	108
22-24 yrs. old	79	43	54	44	49	52	50	41	49	47
25-29 yrs. old	60	28	30	39	29	47	26	28	34	26
30-39 yrs. old	38	22	23	29	15	28	25	26	25	19
40-49 yrs. old	16	5	8	8	7	8	7	11	11	7
50 yrs. or older	3	0	1	3	2	1	0	2	1	1
% Female	61%	58%	58%	54%	55%	63%	58%	56%	56%	59%
% Male	39%	42%	42%	46%	45%	37%	42%	44%	44%	41%
% 19 yrs. or younger	38%	47%	53%	55%	60%	42%	46%	49%	55%	62%
% 20 - 21 yrs. old	23%	23%	18%	19%	20%	25%	24%	22%	21%	20%
% 22 - 24 yrs. old	16%	13%	13%	9%	10%	13%	14%	11%	10%	9%
% 25 - 29 yrs. old	12%	9%	7%	8%	6%	12%	7%	7%	7%	5%
% 30 - 39 yrs. old	8%	7%	6%	6%	3%	7%	7%	7%	5%	3%
% 40 - 49 yrs. old	3%	2%	2%	2%	1%	2%	2%	3%	2%	1%
% 50 yrs. or older	1%	0%	<1%	1%	<1%	<1%	0%	1%	<1%	<1%



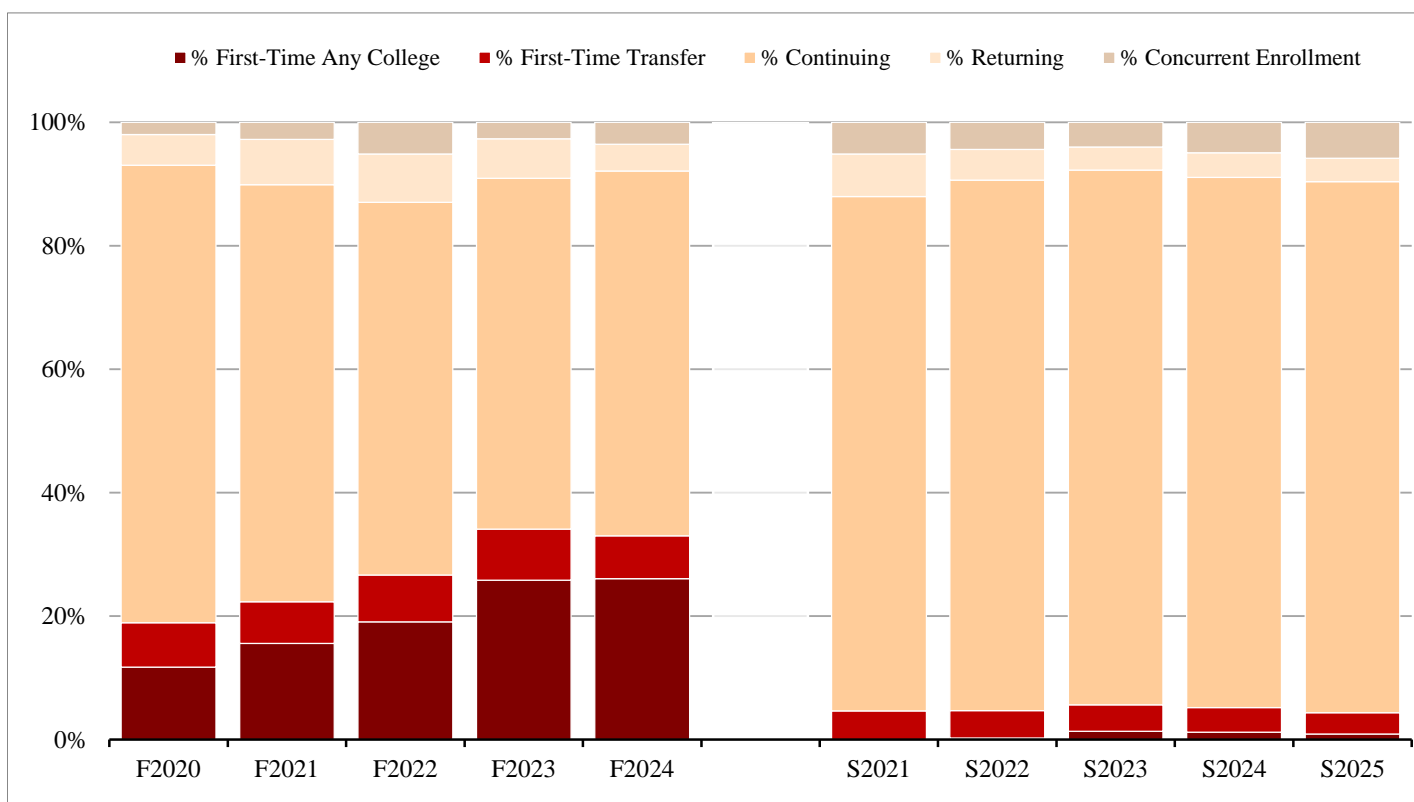
Student Demographic: Race-Ethnicity

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
African American	18	9	7	12	11	20	13	10	5	12
Asian	118	79	107	138	158	104	90	94	141	171
Filipino	22	22	31	39	38	24	30	32	36	34
Latine	153	96	100	130	118	116	98	107	128	130
Native American	2	0	0	0	1	0	1	0	0	0
Pacific Islander	0	3	4	2	1	3	2	1	3	2
White	139	86	109	109	120	109	89	90	139	134
Multiethnic	39	27	43	47	53	26	36	36	46	59
Other/Unknown	11	5	8	7	6	6	4	5	6	9
% African American	4%	3%	2%	2%	2%	5%	4%	3%	1%	2%
% Asian	24%	24%	26%	29%	31%	25%	25%	25%	28%	31%
% Filipino	4%	7%	8%	8%	8%	6%	8%	9%	7%	6%
% Latine	30%	29%	24%	27%	23%	28%	27%	29%	25%	24%
% Native American	<1%	0%	0%	0%	<1%	0%	<1%	0%	0%	0%
% Pacific Islander	0%	1%	1%	<1%	<1%	1%	1%	<1%	1%	<1%
% White	28%	26%	27%	23%	24%	27%	25%	24%	28%	24%
% Multiethnic	8%	8%	11%	10%	10%	6%	10%	10%	9%	11%
% Other/Unknown	2%	2%	2%	1%	1%	1%	1%	1%	1%	2%



Student Enrollment Status

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
First-Time Any College	59	51	78	125	132	0	1	5	6	5
First-Time Transfer	36	22	31	40	35	19	16	16	20	19
Continuing	372	221	247	275	299	340	312	325	433	474
Returning	25	24	32	31	22	28	18	14	20	21
Concurrent Enrollment	10	9	21	13	18	21	16	15	25	32
% First-Time Any College	12%	16%	19%	26%	26%	0%	<1%	1%	1%	1%
% First-Time Transfer	7%	7%	8%	8%	7%	5%	4%	4%	4%	3%
% Continuing	74%	68%	60%	57%	59%	83%	86%	87%	86%	86%
% Returning	5%	7%	8%	6%	4%	7%	5%	4%	4%	4%
% Concurrent Enrollment	2%	3%	5%	3%	4%	5%	4%	4%	5%	6%



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.

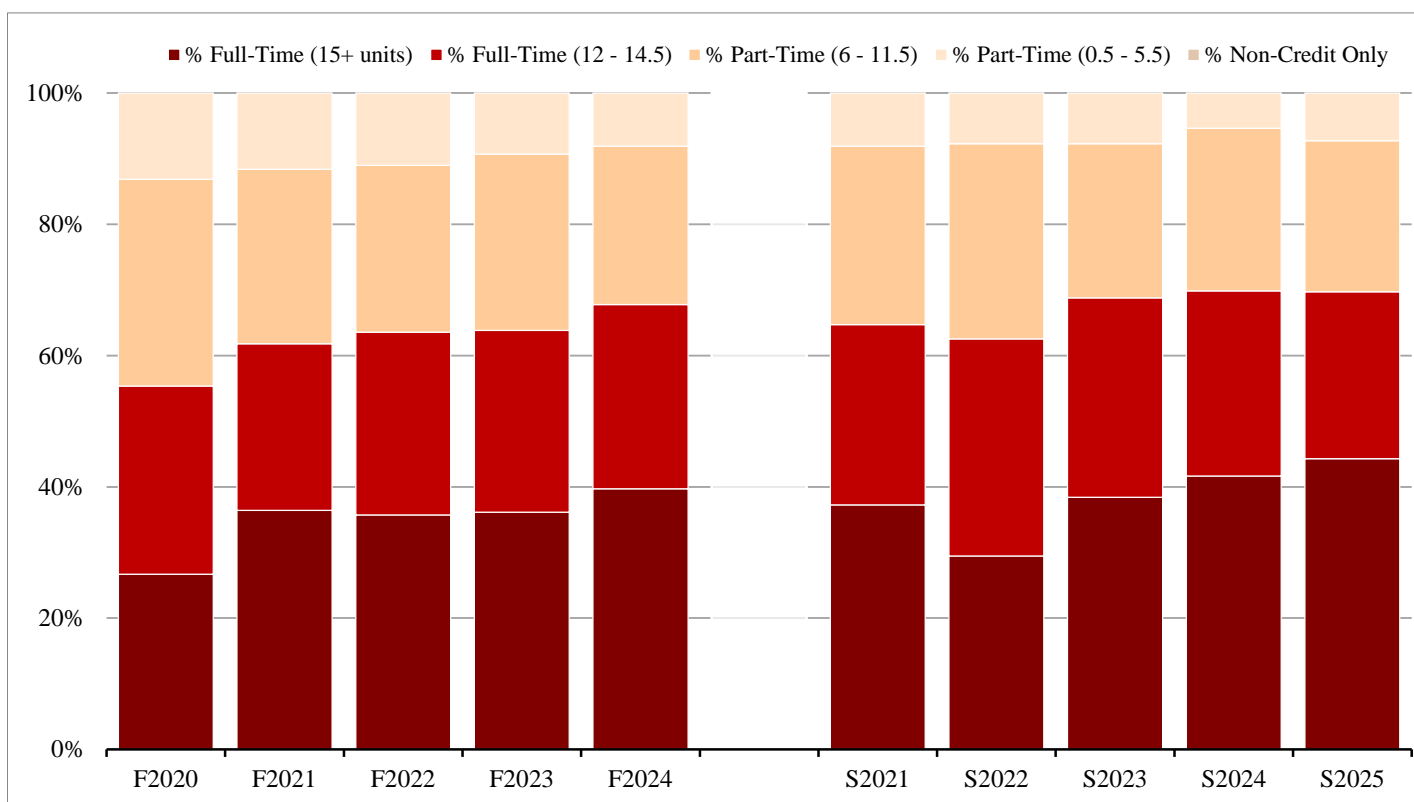
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

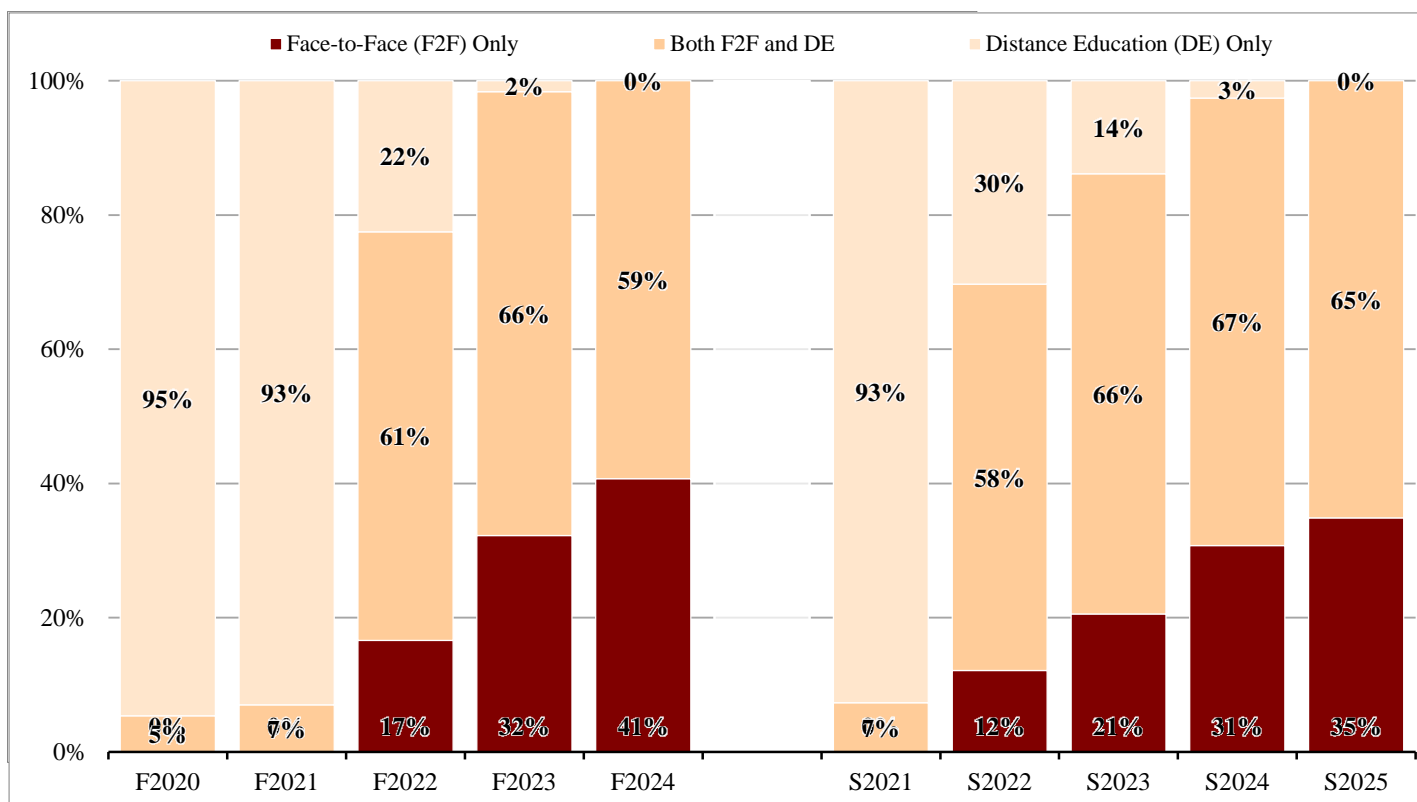
Student Unit Load

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Full-Time (15+ units)	134	119	146	175	201	152	107	144	210	244
Full-Time (12 - 14.5 units)	144	83	114	134	142	112	120	114	142	140
Part-Time (6 - 11.5 units)	158	87	104	130	122	111	108	88	125	127
Part-Time (0.5 - 5.5 units)	66	38	45	45	41	33	28	29	27	40
Non-Credit Only	0	0	0	0	0	0	0	0	0	0
% Full-Time (15+ units)	27%	36%	36%	36%	40%	37%	29%	38%	42%	44%
% Full-Time (12 - 14.5)	29%	25%	28%	28%	28%	27%	33%	30%	28%	25%
% Part-Time (6 - 11.5)	31%	27%	25%	27%	24%	27%	30%	23%	25%	23%
% Part-Time (0.5 - 5.5)	13%	12%	11%	9%	8%	8%	8%	8%	5%	7%
% 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				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Face-to-Face (F2F) Only	0	0	68	156	206	0	44	77	155	192
Both F2F and DE	27	23	249	320	300	30	209	246	336	359
Distance Education (DE) Only	475	304	92	8	0	378	110	52	13	0
% Face-to-Face (F2F) Only	0%	0%	17%	32%	41%	0%	12%	21%	31%	35%
% Both F2F and DE	5%	7%	61%	66%	59%	7%	58%	66%	67%	65%
% Distance Education (DE) Only	95%	93%	22%	2%	0%	93%	30%	14%	3%	0%



Definitions:

Distance Education (DE) includes enrollments in course sections that deliver course content online. Courses are categorized using the following methods:

Prior to Summer 2020, via section numbers (i.e., start with 'DE', 'HD', 'LD' and 'LO'); courses with 51% of content delivered online.

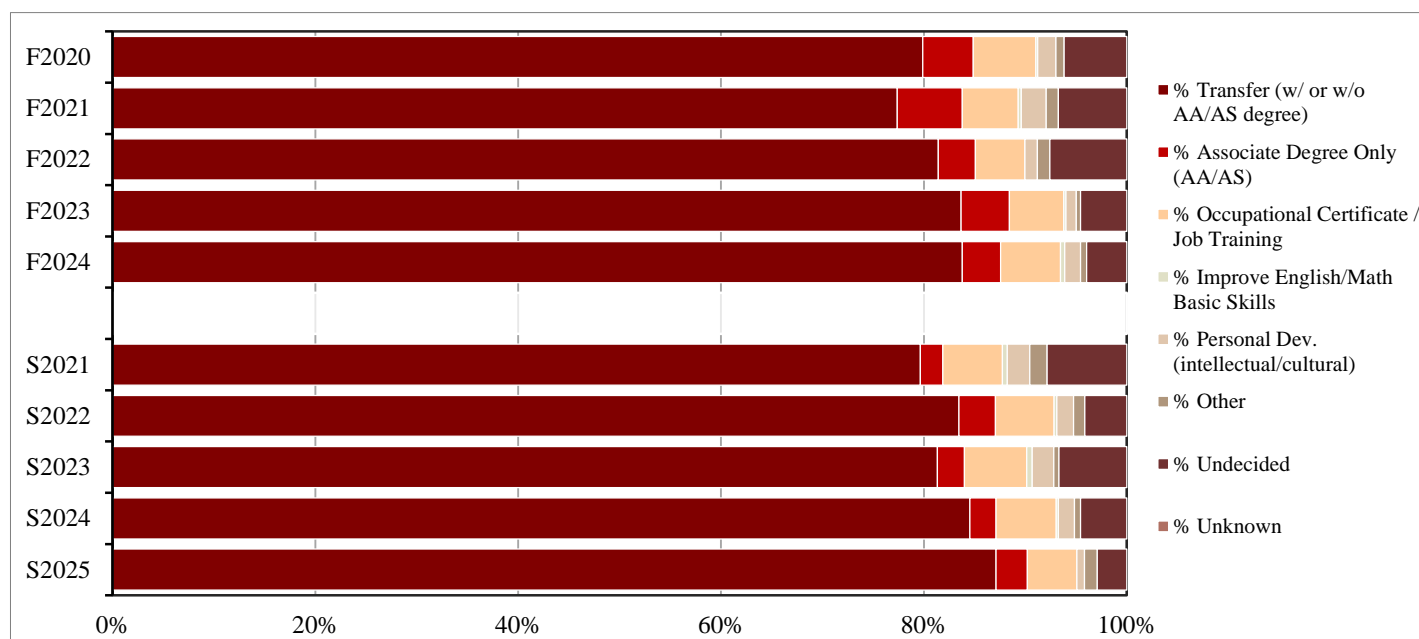
In Summer 2020 and Fall 2020, due to the COVID-19 pandemic, via web comments for each section; identified as any with an online component.

In Spring 2021 and Summer 2021, via section numbers (i.e., 'A##', 'S##', 'B##', 'H##', 'HF#').

Since Fall 2021 to present, via course attributes identifying course modality, or, when no attributes are provided, via section numbers (as previously indicated).

Student Educational Goal

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Transfer (w/ or w/o AA/AS degree)	401	253	333	405	424	325	303	305	426	480
Associate Degree Only (AA/AS)	25	21	15	23	19	9	13	10	13	17
Occupational Certificate / Job Training	31	18	20	26	30	24	21	23	30	27
Improve English/Math Basic Skills	1	1	0	1	2	2	1	2	1	0
Personal Development (intellectual/cultural)	9	8	5	5	8	9	6	8	8	4
Other	4	4	5	2	3	7	4	2	3	7
Undecided	31	22	31	22	20	32	15	25	23	16
Unknown	0	0	0	0	0	0	0	0	0	0
% Transfer (w/ or w/o AA/AS degree)	80%	77%	81%	84%	84%	80%	83%	81%	85%	87%
% Associate Degree Only (AA/AS)	5%	6%	4%	5%	4%	2%	4%	3%	3%	3%
% Occupational Certificate / Job Training	6%	6%	5%	5%	6%	6%	6%	6%	6%	5%
% Improve English/Math Basic Skills	<1%	<1%	0%	<1%	<1%	0%	<1%	1%	<1%	0%
% Personal Dev. (intellectual/cultural)	2%	2%	1%	1%	2%	2%	2%	2%	2%	1%
% Other	1%	1%	1%	<1%	1%	2%	1%	1%	1%	1%
% Undecided	6%	7%	8%	5%	4%	8%	4%	7%	5%	3%
% Unknown	0%	0%	0%	0%	0%	0%	0%	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.

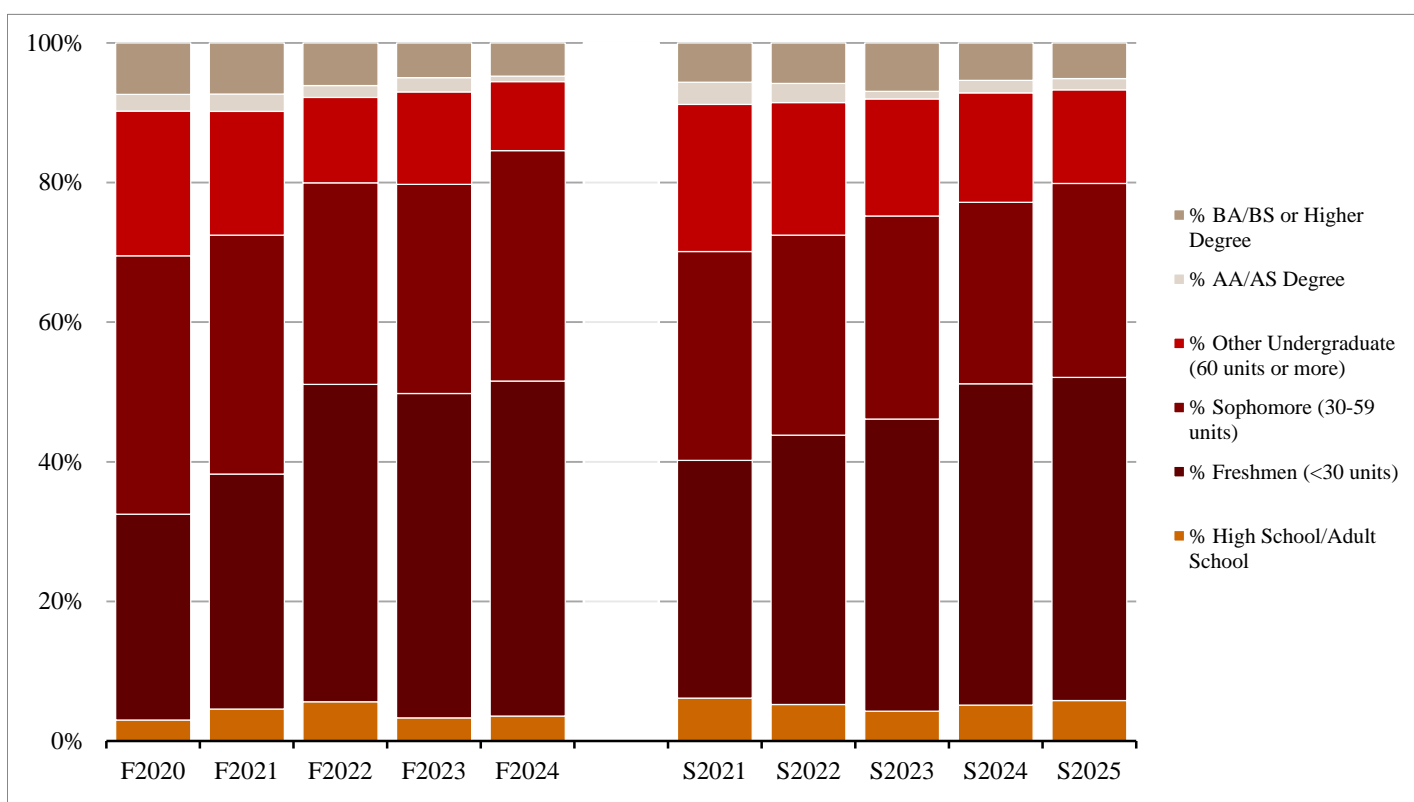
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

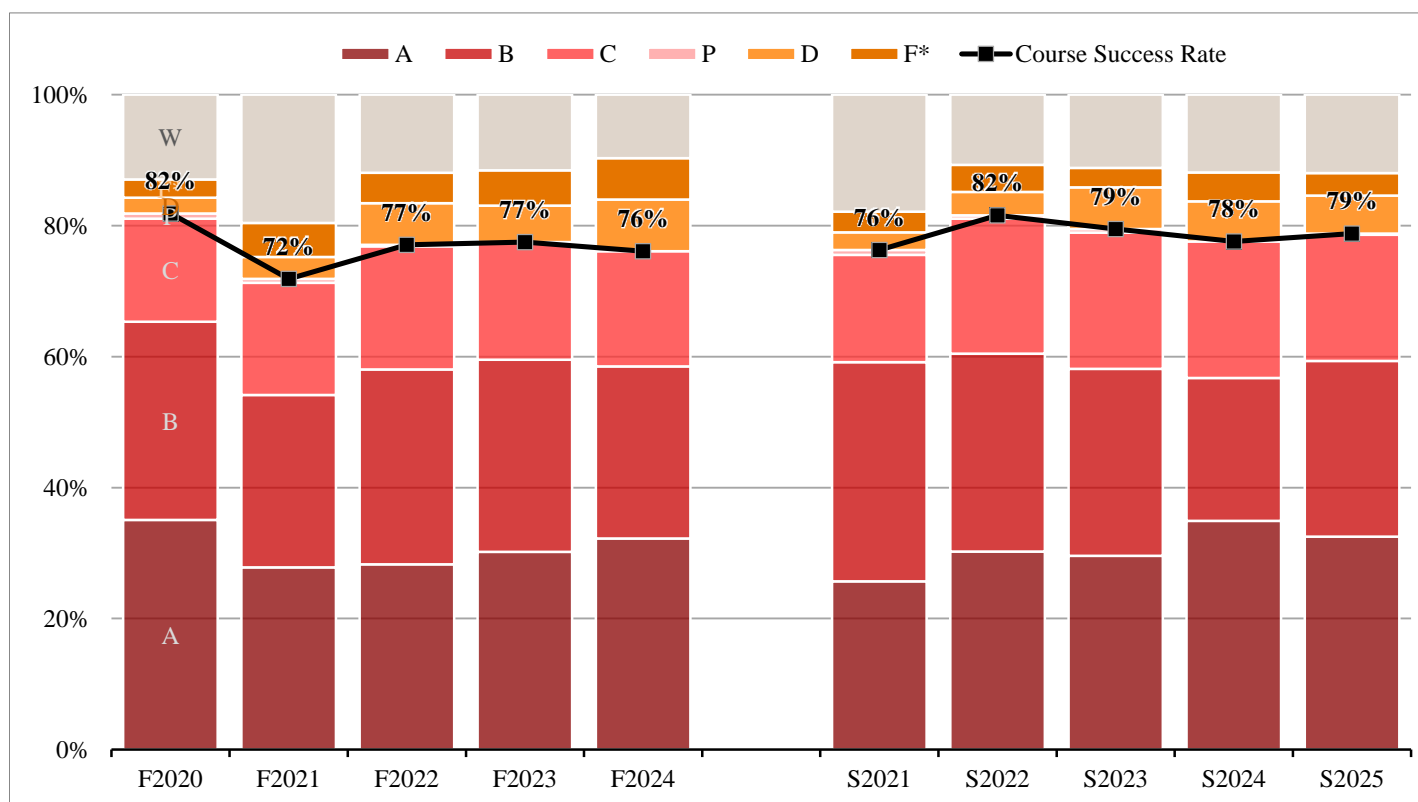
Highest Educational Level of Students

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
High School/Adult School	15	15	23	16	18	25	19	16	26	32
Freshmen (<30 units)	148	110	186	225	243	139	140	157	232	255
Sophomore (30-59 units)	186	112	118	145	167	122	104	109	131	153
Other Undergraduate (60 units or more)	104	58	50	64	50	86	69	63	79	74
AA/AS Degree	12	8	7	10	4	13	10	4	9	9
BA/BS or Higher Degree	37	24	25	24	24	23	21	26	27	28
% High School/Adult School	3%	5%	6%	3%	4%	6%	5%	4%	5%	6%
% Freshmen (<30 units)	29%	34%	45%	46%	48%	34%	39%	42%	46%	46%
% Sophomore (30-59 units)	37%	34%	29%	30%	33%	30%	29%	29%	26%	28%
% Other Undergraduate (60 units or more)	21%	18%	12%	13%	10%	21%	19%	17%	16%	13%
% AA/AS Degree	2%	2%	2%	2%	1%	3%	3%	1%	2%	2%
% BA/BS or Higher Degree	7%	7%	6%	5%	5%	6%	6%	7%	5%	5%



Student Performance: Grade Distribution

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Total Course Enrollments	502	327	410	484	506	409	364	375	504	551
Course Success Rates	82%	72%	77%	77%	76%	76%	82%	79%	78%	79%
A	35%	28%	28%	30%	32%	26%	30%	30%	35%	32%
B	30%	26%	30%	29%	26%	33%	30%	29%	22%	27%
C	16%	17%	19%	18%	18%	16%	21%	21%	21%	19%
P	1%	1%	<1%	0%	0%	1%	1%	1%	0%	<1%
Course Non-Success Rate	5%	9%	11%	11%	14%	6%	8%	9%	11%	9%
D	2%	3%	6%	6%	8%	3%	4%	6%	6%	6%
F*	3%	5%	5%	5%	6%	3%	4%	3%	4%	3%
Withdrawals (See Note)	13%	20%	12%	12%	10%	18%	11%	11%	12%	12%



Definitions:

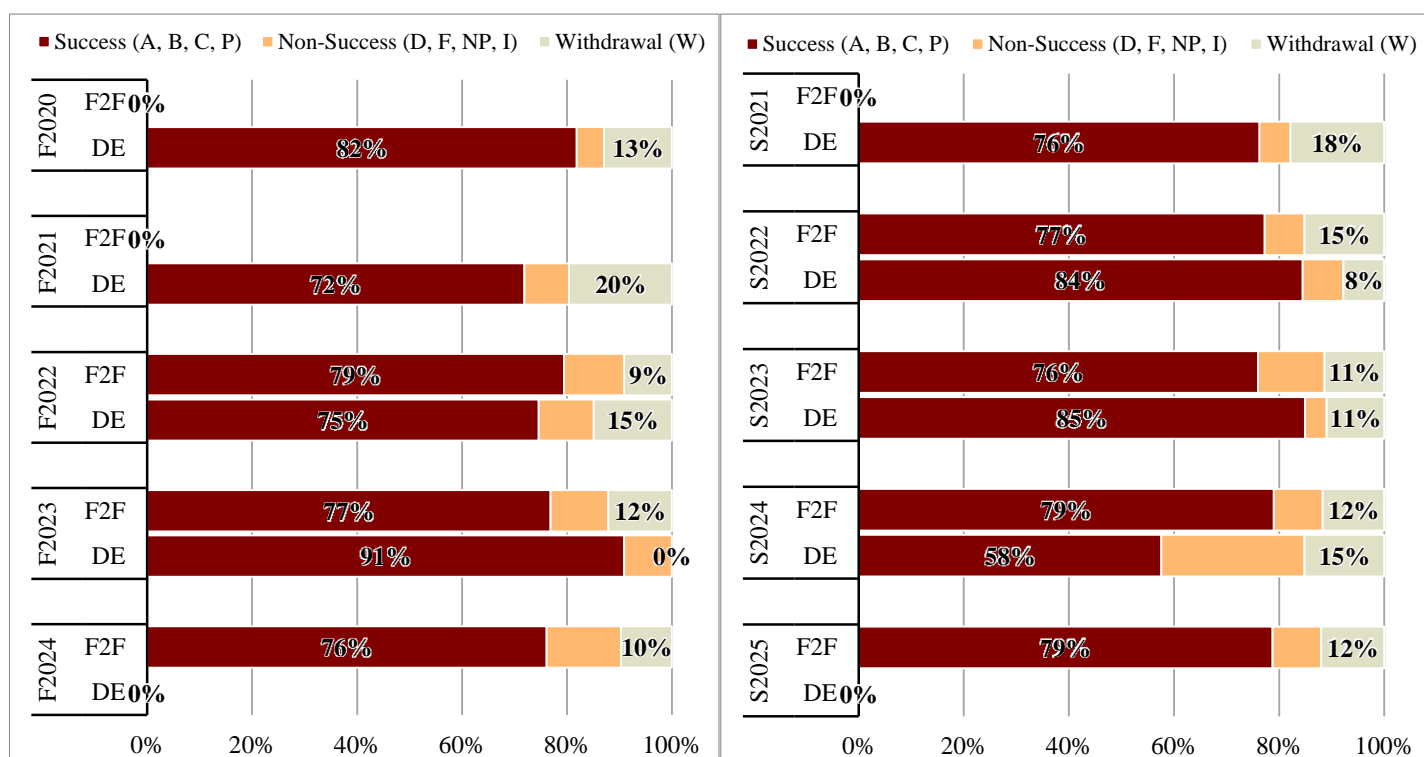
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

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)										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Total Course Enrollments	502	327	410	484	506	409	364	375	504	551
Face-to-Face (F2F) Sections	0	0	209	462	506	0	145	229	471	551
Success Rates	—	—	79%	77%	76%	—	77%	76%	79%	79%
Non-Success Rates	—	—	11%	11%	14%	—	8%	13%	9%	9%
Withdrawals	—	—	9%	12%	10%	—	15%	11%	12%	12%
Distance Education (DE) Sections	502	327	201	22	0	409	219	146	33	0
Success Rates	82%	72%	75%	91%	—	76%	84%	85%	58%	—
Non-Success Rates	5%	9%	10%	9%	—	6%	8%	4%	27%	—
Withdrawals	13%	20%	15%	0%	—	18%	8%	11%	15%	—



Definitions:

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

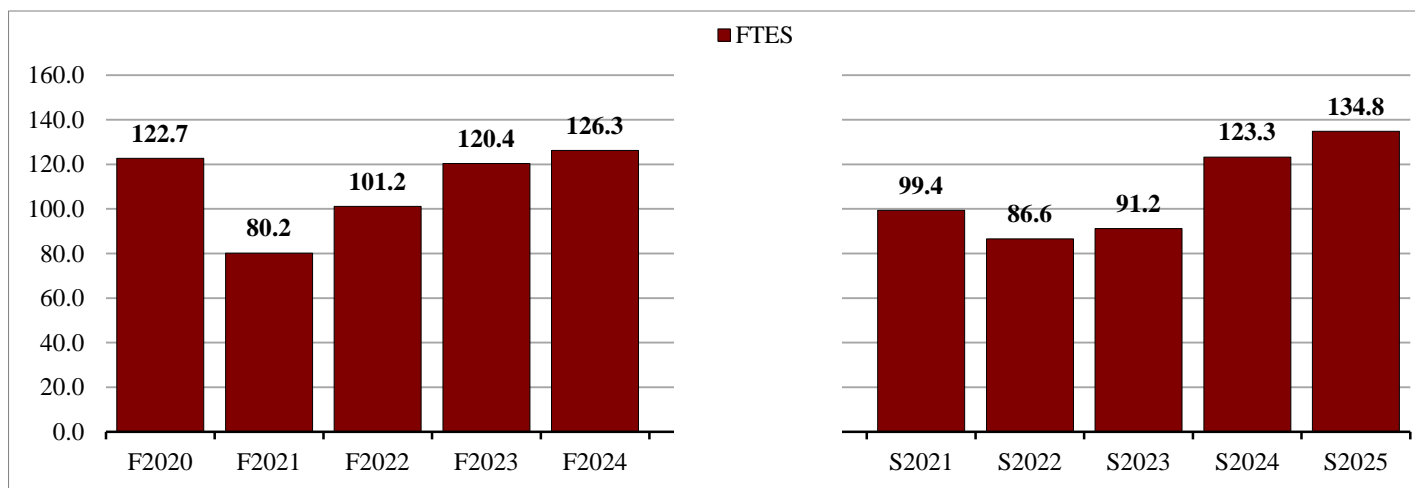
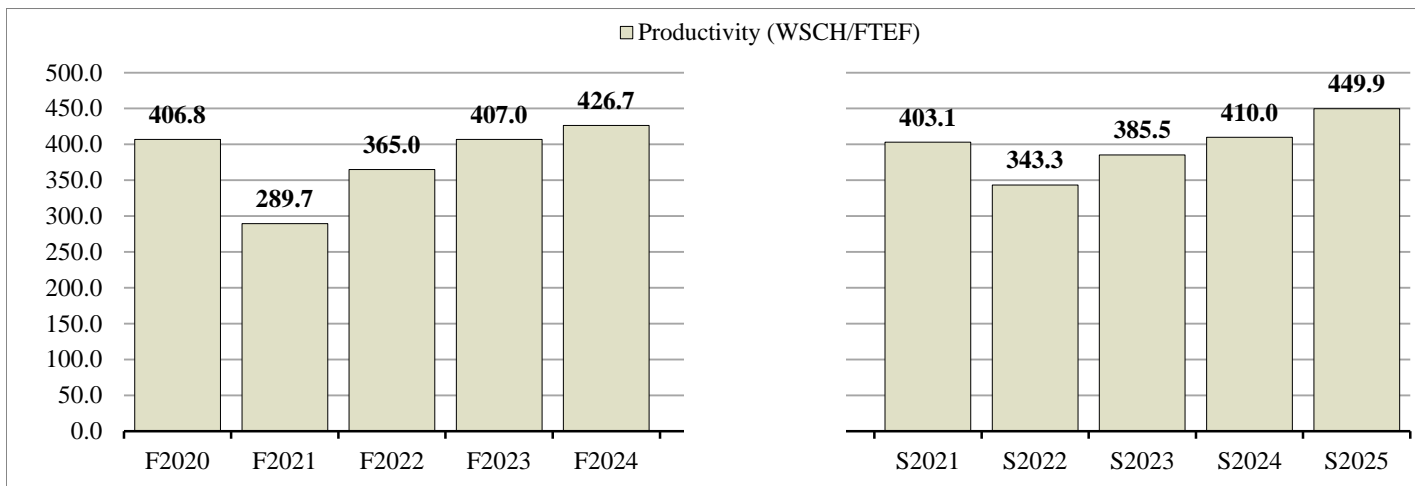
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

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 deliver course content online. (see note in "Students Using Distance Education" for details.)

Enrollment Management: Part 1

	Chemistry (CHEM)									
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
WSCH	3,732	2,448	3,084	3,663	3,840	3,033	2,652	2,766	3,762	4,128
FTES	122.7	80.2	101.2	120.4	126.3	99.4	86.6	91.2	123.3	134.8
FTEF	9.2	8.5	8.5	9.0	9.0	7.5	7.7	7.2	9.2	9.2
Productivity (WSCH/FTEF)	406.8	289.7	365.0	407.0	426.7	403.1	343.3	385.5	410.0	449.9



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.

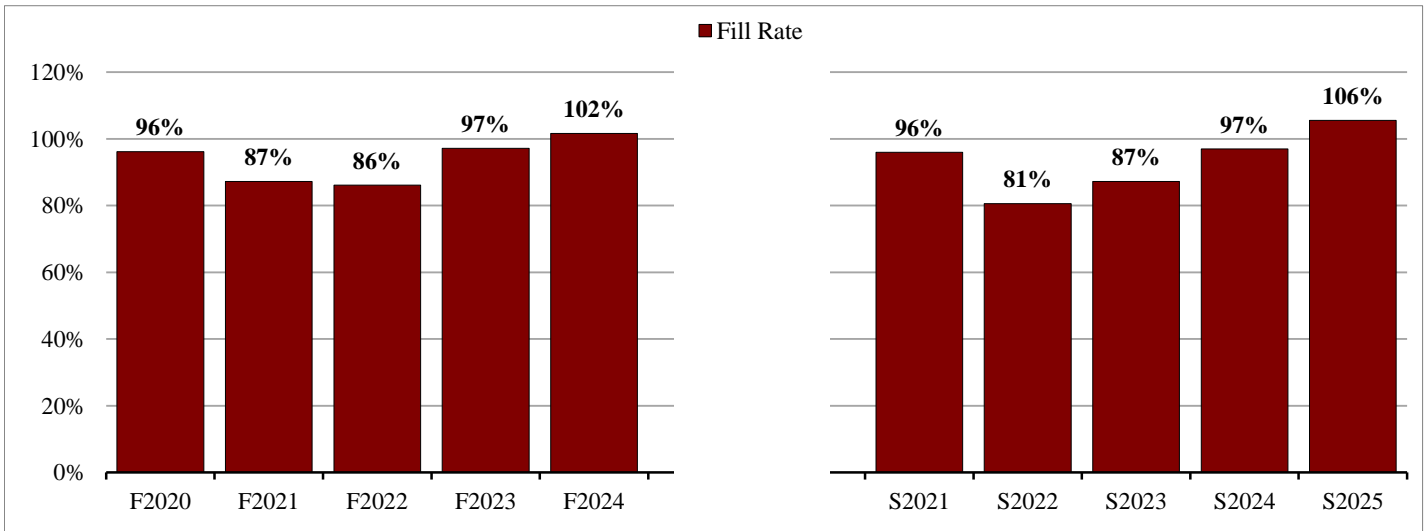
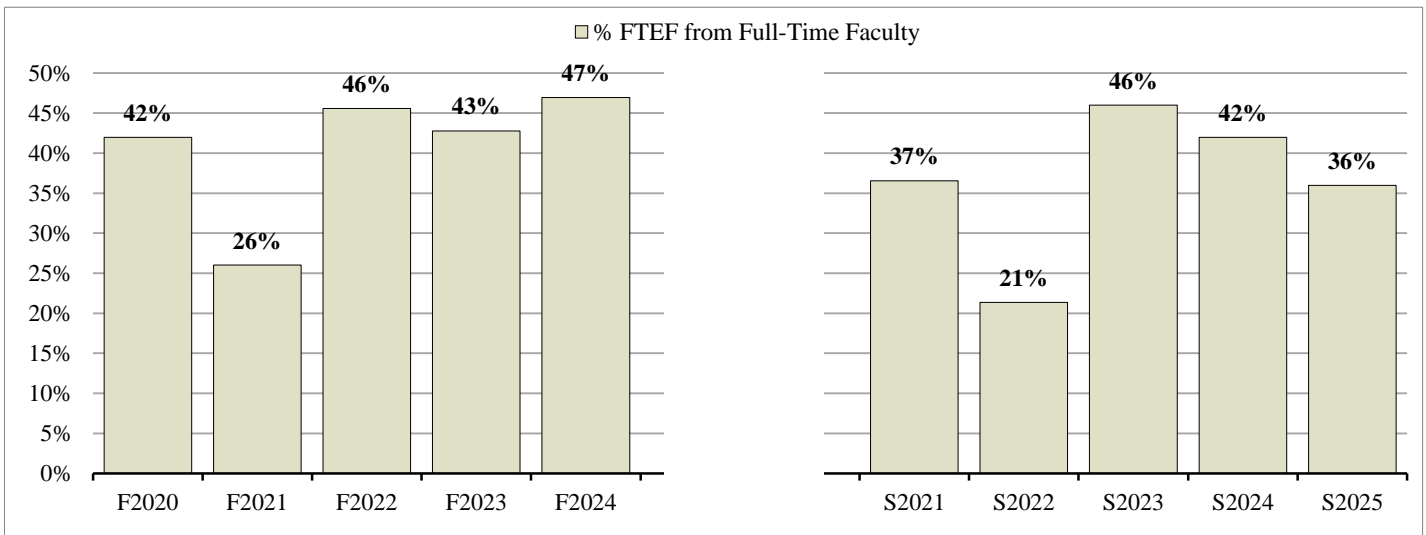
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
FTEF from Full-Time Faculty	3.9	2.2	3.9	3.9	4.2	2.8	1.7	3.3	3.9	3.3
% FTEF from Full-Time Faculty	42%	26%	46%	43%	47%	37%	21%	46%	42%	36%
Enrollments	502	327	410	484	506	409	364	375	504	551
Capacity (seats available)	522	375	476	498	498	426	452	430	520	522
Fill Rate	96%	87%	86%	97%	102%	96%	81%	87%	97%	106%



Definitions:

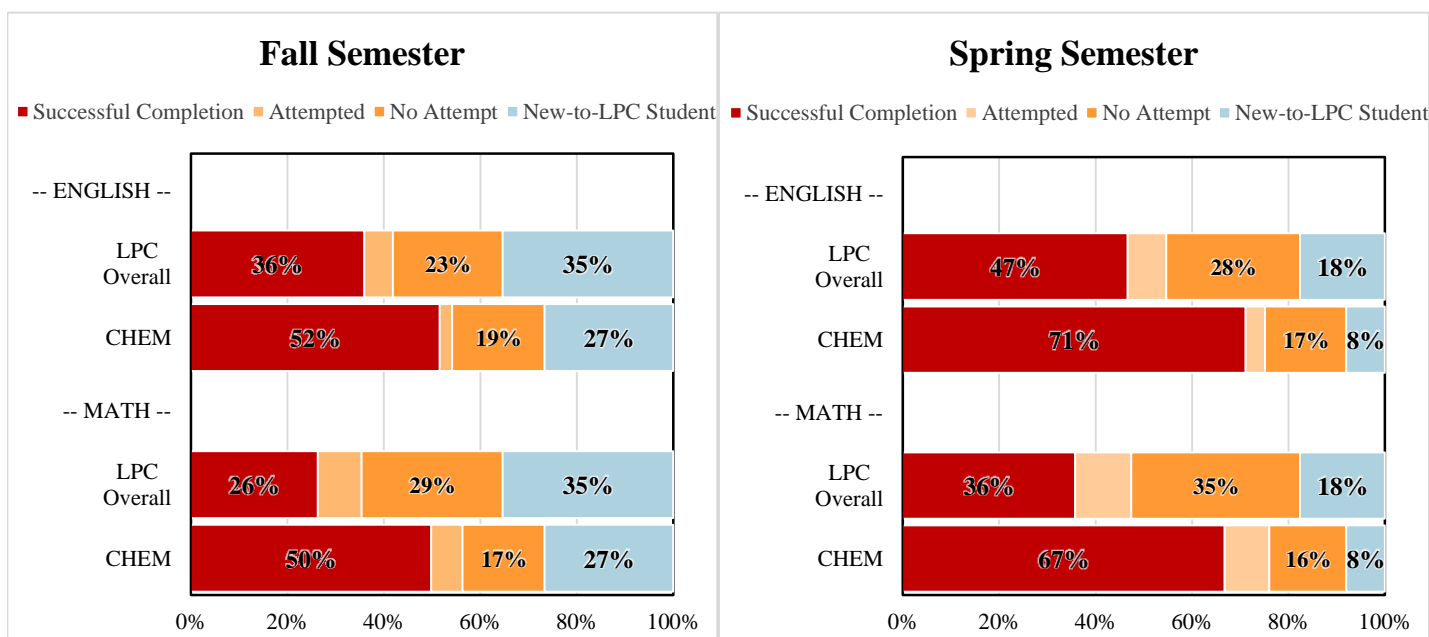
Fill Rate is number of enrollments over the total capacity (seats available).

% 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

(English and math status prior to the start of the term)	Fall 2024				Spring 2025			
	CHEM		LPC Overall		CHEM		LPC Overall	
	Num	Pct	Num	Pct	Num	Pct	Num	Pct
Transfer-level English								
Successful Completion*	261	52%	2,993	36%	392	71%	3,734	47%
Attempted (not successful)	13	3%	492	6%	22	4%	641	8%
No Attempt	97	19%	1,892	23%	93	17%	2,223	28%
New-to-LPC Student	135	27%	2,946	35%	44	8%	1,409	18%
Transfer-level Math								
Successful Completion*	252	50%	2,189	26%	368	67%	2,859	36%
Attempted (not successful)	33	7%	757	9%	51	9%	935	12%
No Attempt	86	17%	2,431	29%	88	16%	2,804	35%
New-to-LPC Student	135	27%	2,946	35%	44	8%	1,409	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-to-LPC Student = 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 a 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 = students with no for credit enrollments within our district prior to the current term.