



Las Positas College

Discipline Program Review Data Packet

Fall 2021 to Spring 2026

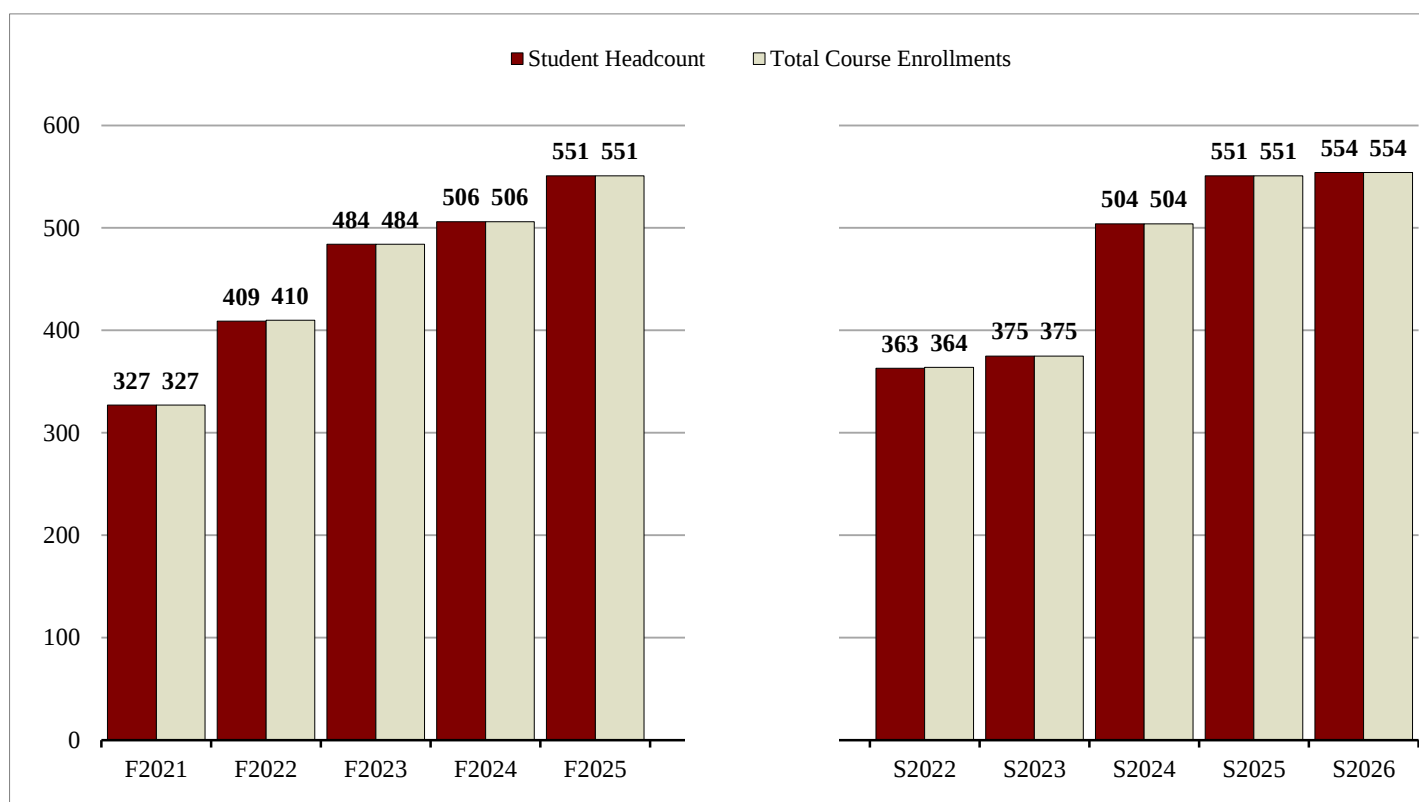
Discipline:

Chemistry (CHEM)

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Headcount & Enrollment

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
Student Headcount	327	409	484	506	551	363	375	504	551	554
Total Course Enrollments	327	410	484	506	551	364	375	504	551	554



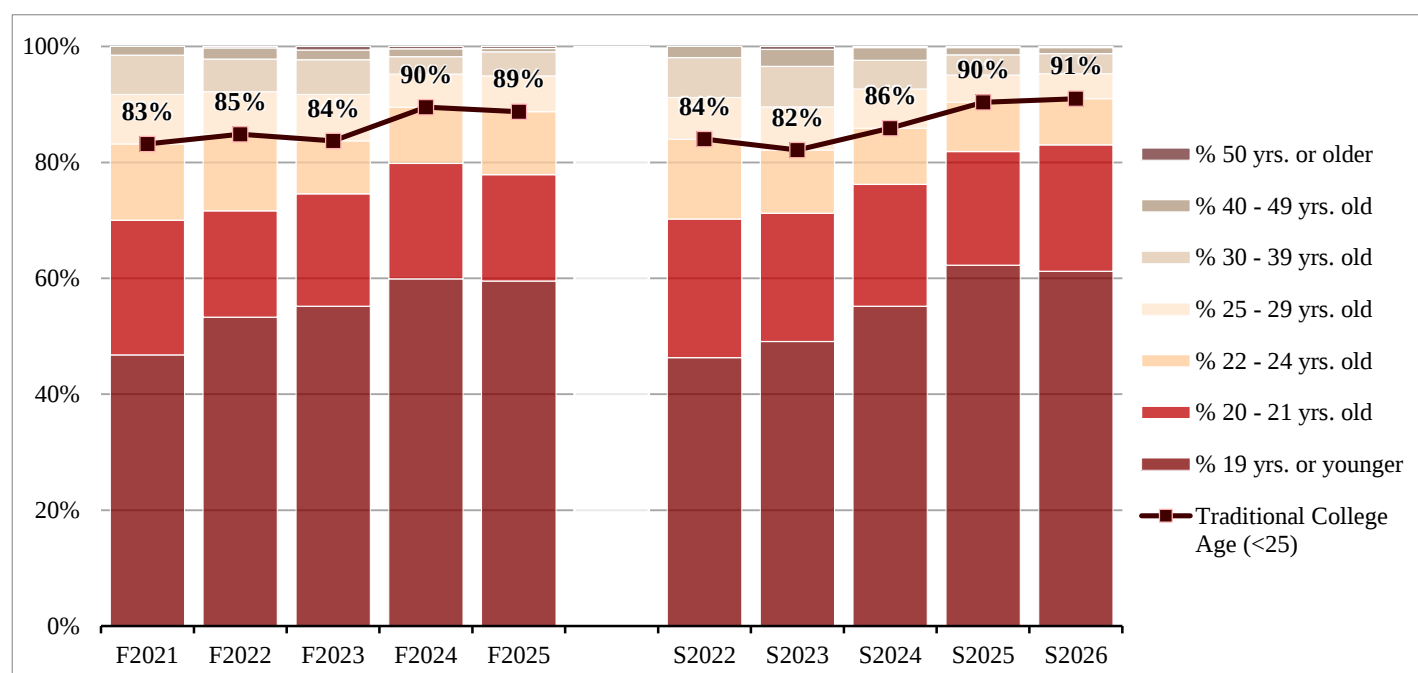
Definitions:

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.

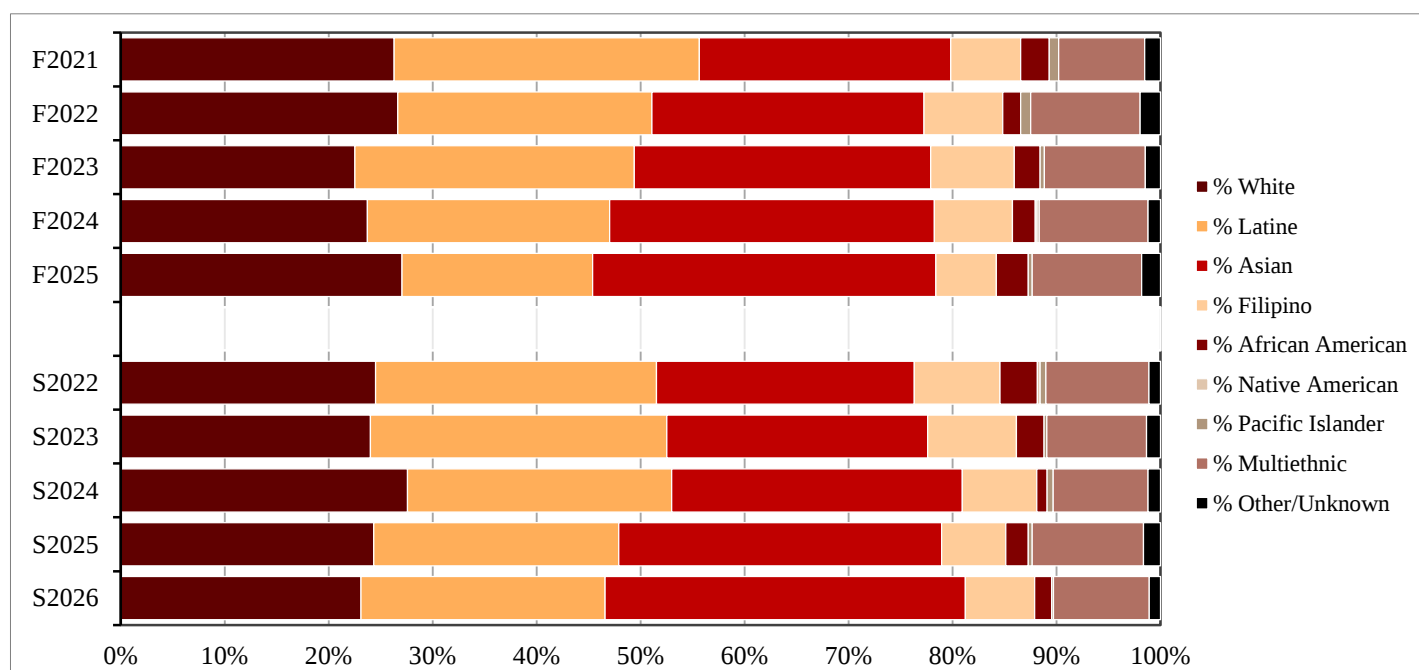
Student Demographics: Gender & Age

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
Female	186	234	249	264	308	211	208	265	322	338
Male	135	171	212	212	231	151	161	205	223	201
Non-Binary	0	0	0	0	6	0	0	0	2	2
19 yrs. or younger	153	218	267	303	328	168	184	278	343	339
20-21 yrs. old	76	75	94	101	101	87	83	106	108	121
22-24 yrs. old	43	54	44	49	60	50	41	49	47	44
25-29 yrs. old	28	30	39	29	34	26	28	34	26	24
30-39 yrs. old	22	23	29	15	23	25	26	25	19	19
40-49 yrs. old	5	8	8	7	3	7	11	11	7	6
50 yrs. or older	0	1	3	2	2	0	2	1	1	1
% Female	58%	58%	54%	55%	57%	58%	56%	56%	59%	62%
% Male	42%	42%	46%	45%	42%	42%	44%	44%	41%	37%
% Non-Binary	0%	0%	0%	0%	1%	0%	0%	0%	<1%	<1%
% 19 yrs. or younger	47%	53%	55%	60%	60%	46%	49%	55%	62%	61%
% 20 - 21 yrs. old	23%	18%	19%	20%	18%	24%	22%	21%	20%	22%
% 22 - 24 yrs. old	13%	13%	9%	10%	11%	14%	11%	10%	9%	8%
% 25 - 29 yrs. old	9%	7%	8%	6%	6%	7%	7%	7%	5%	4%
% 30 - 39 yrs. old	7%	6%	6%	3%	4%	7%	7%	5%	3%	3%
% 40 - 49 yrs. old	2%	2%	2%	1%	1%	2%	3%	2%	1%	1%
% 50 yrs. or older	0%	<1%	1%	<1%	<1%	0%	1%	<1%	<1%	<1%



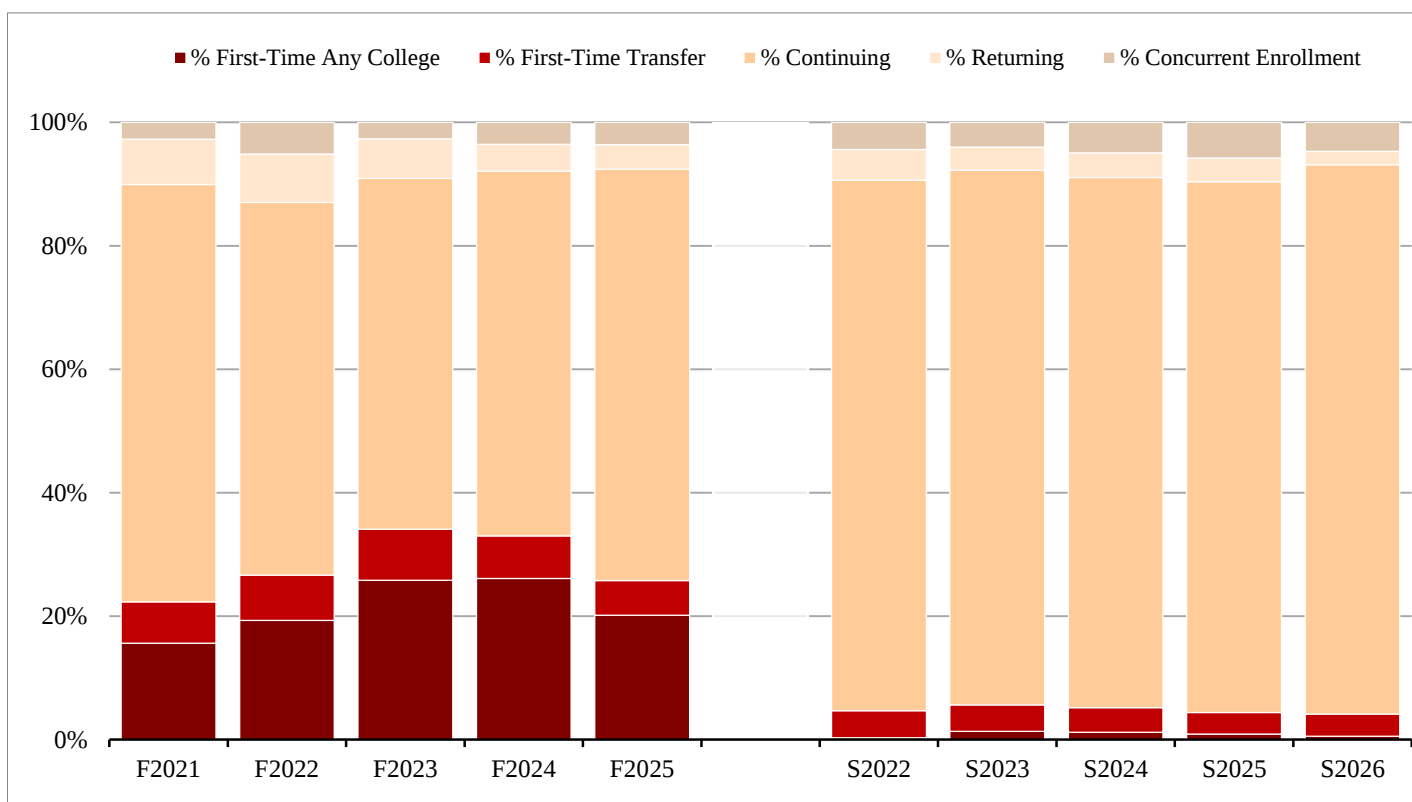
Student Demographic: Race-Ethnicity

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
African American	9	7	12	11	17	13	10	5	12	9
Asian	79	107	138	158	182	90	94	141	171	192
Filipino	22	31	39	38	32	30	32	36	34	37
Latine	96	100	130	118	101	98	107	128	130	130
Native American	0	0	0	1	0	1	0	0	0	0
Pacific Islander	3	4	2	1	2	2	1	3	2	1
White	86	109	109	120	149	89	90	139	134	128
Multiethnic	27	43	47	53	58	36	36	46	59	51
Other/Unknown	5	8	7	6	10	4	5	6	9	6
% African American	3%	2%	2%	2%	3%	4%	3%	1%	2%	2%
% Asian	24%	26%	29%	31%	33%	25%	25%	28%	31%	35%
% Filipino	7%	8%	8%	8%	6%	8%	9%	7%	6%	7%
% Latine	29%	24%	27%	23%	18%	27%	29%	25%	24%	23%
% Native American	0%	0%	0%	<1%	0%	<1%	0%	0%	0%	0%
% Pacific Islander	1%	1%	<1%	<1%	<1%	1%	<1%	1%	<1%	<1%
% White	26%	27%	23%	24%	27%	25%	24%	28%	24%	23%
% Multiethnic	8%	11%	10%	10%	11%	10%	10%	9%	11%	9%
% Other/Unknown	2%	2%	1%	1%	2%	1%	1%	1%	2%	1%



Student Enrollment Status

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
First-Time Any College	51	79	125	132	111	1	5	6	5	3
First-Time Transfer	22	30	40	35	31	16	16	20	19	20
Continuing	221	247	275	299	367	312	325	433	474	493
Returning	24	32	31	22	22	18	14	20	21	12
Concurrent Enrollment	9	21	13	18	20	16	15	25	32	26
% First-Time Any College	16%	19%	26%	26%	20%	<1%	1%	1%	1%	1%
% First-Time Transfer	7%	7%	8%	7%	6%	4%	4%	4%	3%	4%
% Continuing	68%	60%	57%	59%	67%	86%	87%	86%	86%	89%
% Returning	7%	8%	6%	4%	4%	5%	4%	4%	4%	2%
% Concurrent Enrollment	3%	5%	3%	4%	4%	4%	4%	5%	6%	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.

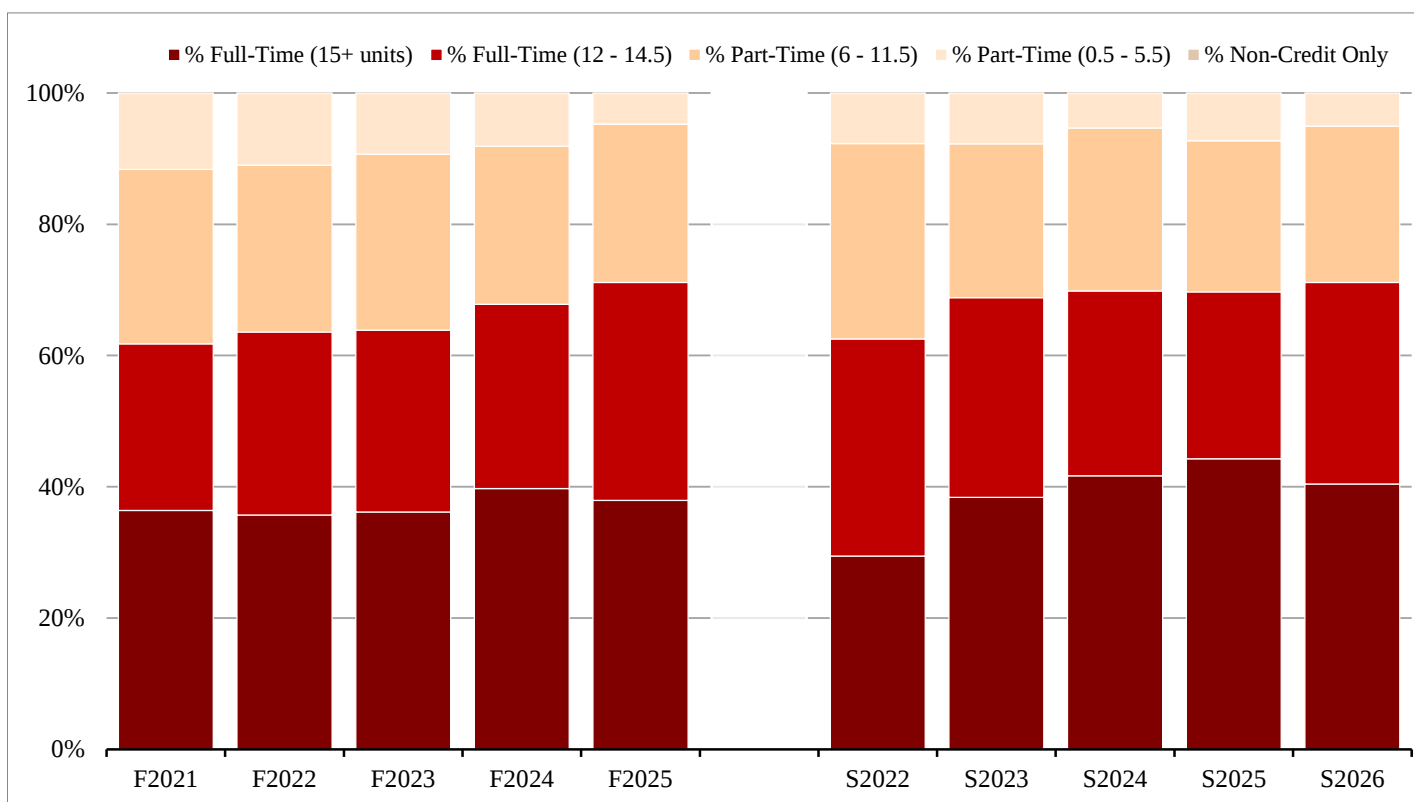
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

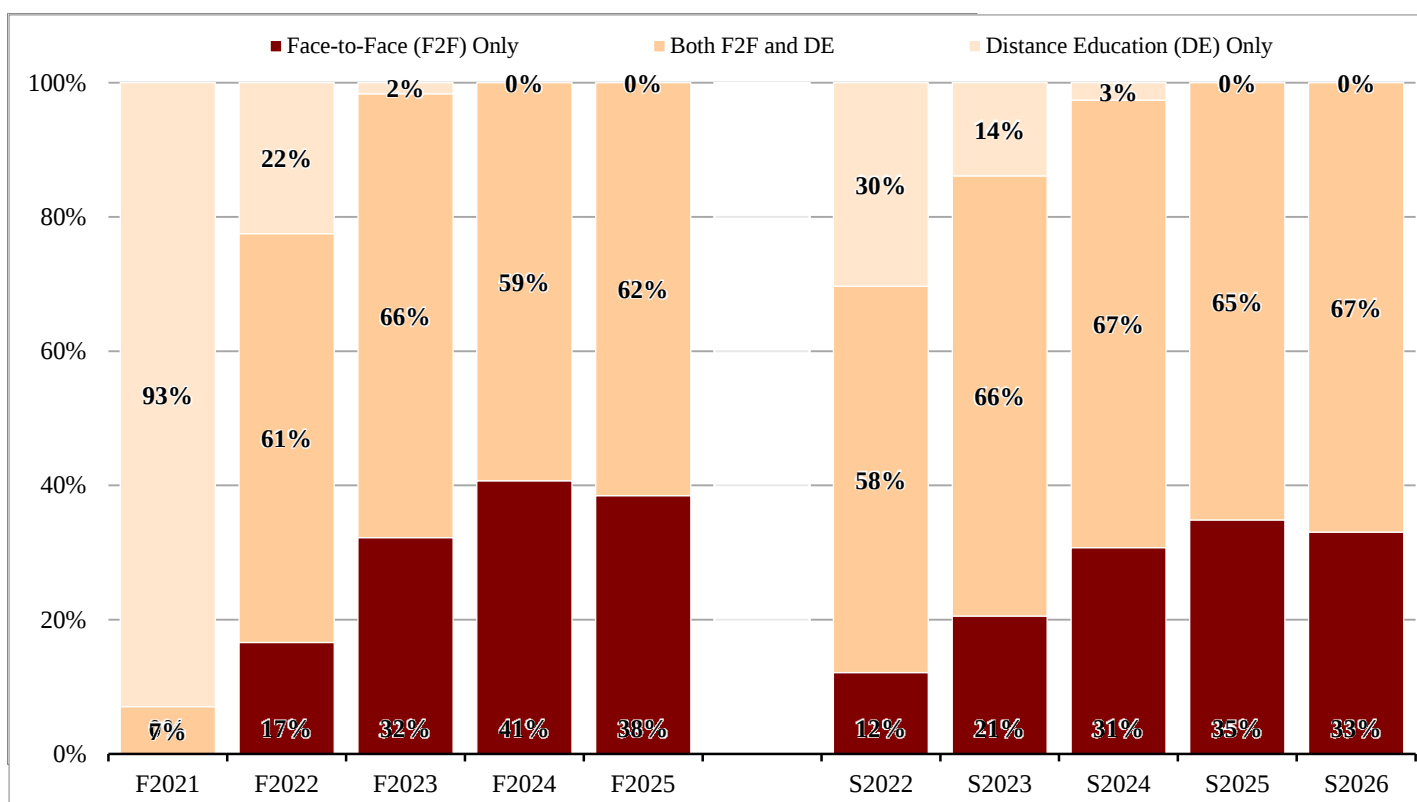
Student Unit Load

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
Full-Time (15+ units)	119	146	175	201	209	107	144	210	244	224
Full-Time (12 - 14.5 units)	83	114	134	142	183	120	114	142	140	170
Part-Time (6 - 11.5 units)	87	104	130	122	133	108	88	125	127	132
Part-Time (0.5 - 5.5 units)	38	45	45	41	26	28	29	27	40	28
Non-Credit Only	0	0	0	0	0	0	0	0	0	0
% Full-Time (15+ units)	36%	36%	36%	40%	38%	29%	38%	42%	44%	40%
% Full-Time (12 - 14.5)	25%	28%	28%	28%	33%	33%	30%	28%	25%	31%
% Part-Time (6 - 11.5)	27%	25%	27%	24%	24%	30%	23%	25%	23%	24%
% Part-Time (0.5 - 5.5)	12%	11%	9%	8%	5%	8%	8%	5%	7%	5%
% 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				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
Face-to-Face (F2F) Only	0	68	156	206	212	44	77	155	192	183
Both F2F and DE	23	249	320	300	339	209	246	336	359	371
Distance Education (DE) Only	304	92	8	0	0	110	52	13	0	0
% Face-to-Face (F2F) Only	0%	17%	32%	41%	38%	12%	21%	31%	35%	33%
% Both F2F and DE	7%	61%	66%	59%	62%	58%	66%	67%	65%	67%
% Distance Education (DE) Only	93%	22%	2%	0%	0%	30%	14%	3%	0%	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.

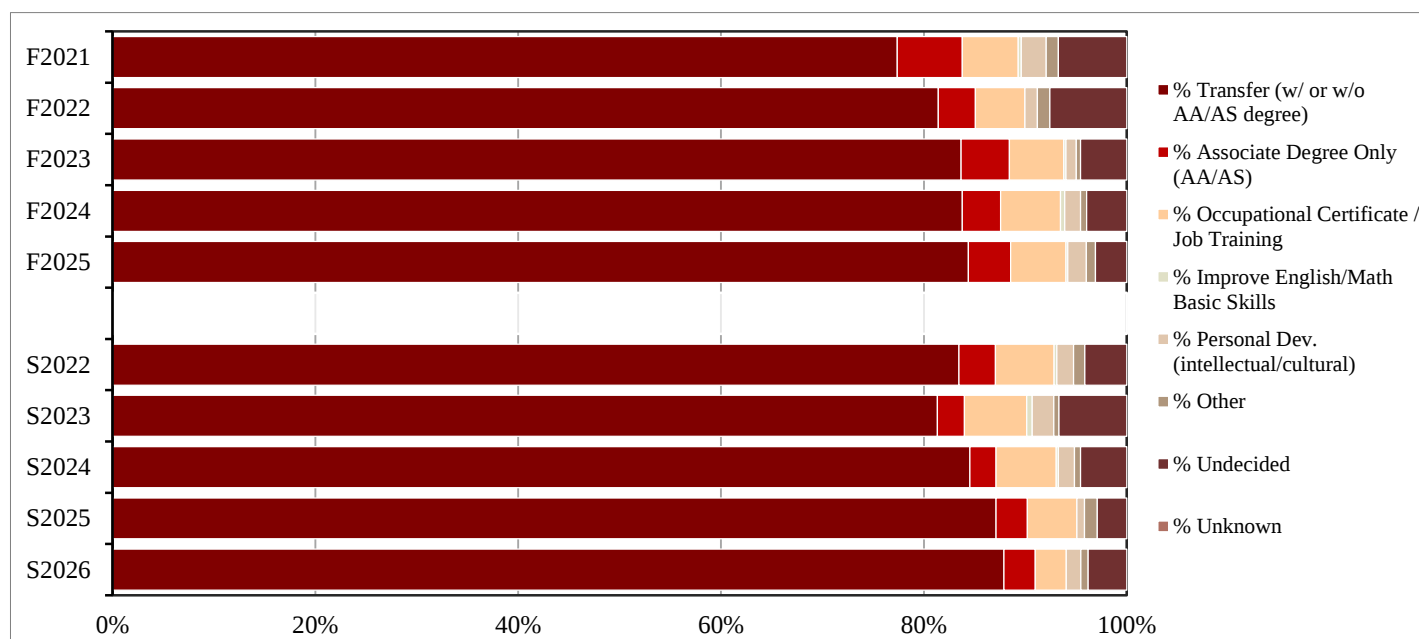
In Summer 2020 and Fall 2020, due to the COVID-19 pandemic, via web comments for each section; identified as any with an online component.

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				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
Transfer (w/ or w/o AA/AS degree)	253	333	405	424	465	303	305	426	480	487
Associate Degree Only (AA/AS)	21	15	23	19	23	13	10	13	17	17
Occupational Certificate / Job Training	18	20	26	30	30	21	23	30	27	17
Improve English/Math Basic Skills	1	0	1	2	1	1	2	1	0	0
Personal Development (intellectual/cultural)	8	5	5	8	10	6	8	8	4	8
Other	4	5	2	3	5	4	2	3	7	4
Undecided	22	31	22	20	17	15	25	23	16	21
Unknown	0	0	0	0	0	0	0	0	0	0
% Transfer (w/ or w/o AA/AS degree)	77%	81%	84%	84%	84%	83%	81%	85%	87%	88%
% Associate Degree Only (AA/AS)	6%	4%	5%	4%	4%	4%	3%	3%	3%	3%
% Occupational Certificate / Job Training	6%	5%	5%	6%	5%	6%	6%	6%	5%	3%
% Improve English/Math Basic Skills	<1%	0%	<1%	<1%	<1%	<1%	1%	<1%	0%	0%
% Personal Dev. (intellectual/cultural)	2%	1%	1%	2%	2%	2%	2%	2%	1%	1%
% Other	1%	1%	<1%	1%	1%	1%	1%	1%	1%	1%
% Undecided	7%	8%	5%	4%	3%	4%	7%	5%	3%	4%
% 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.

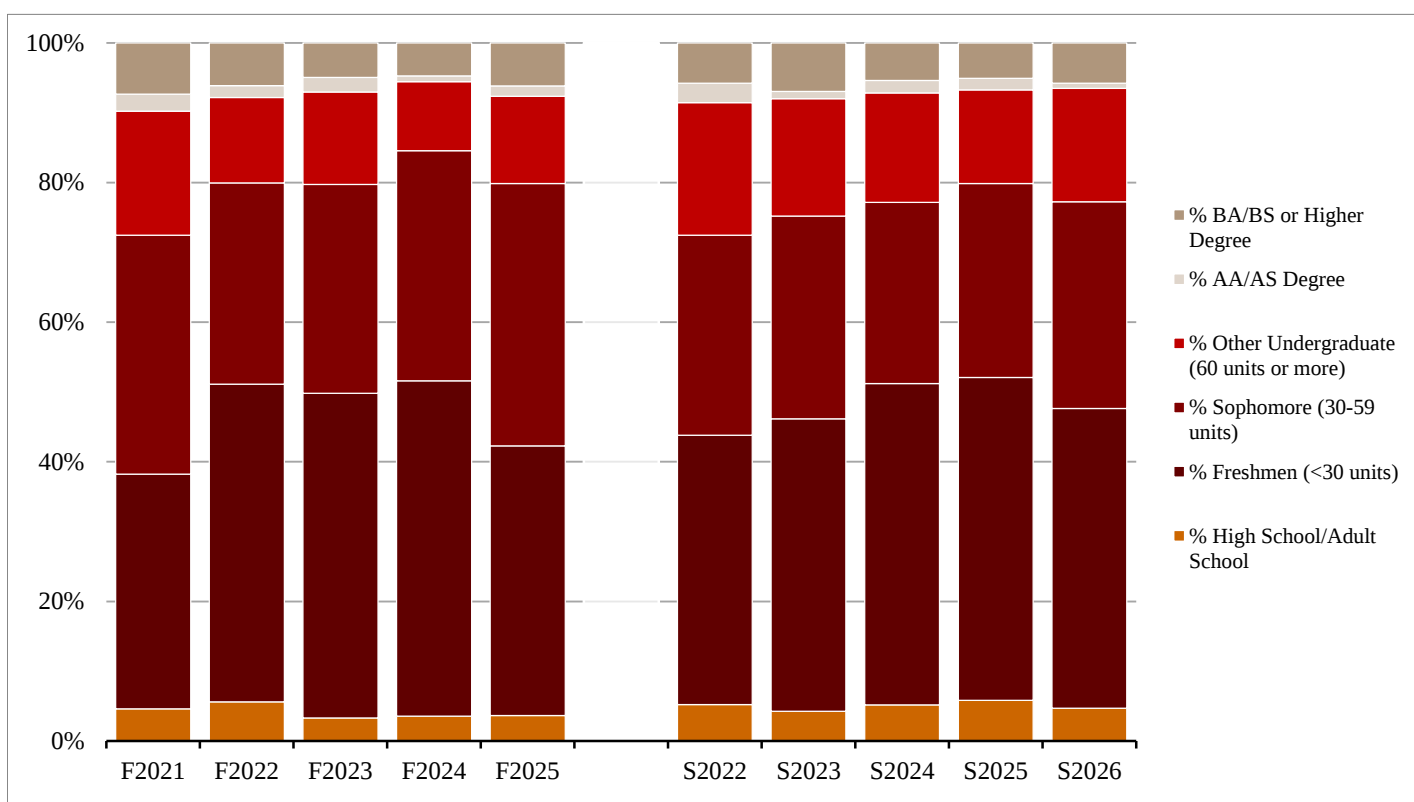
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

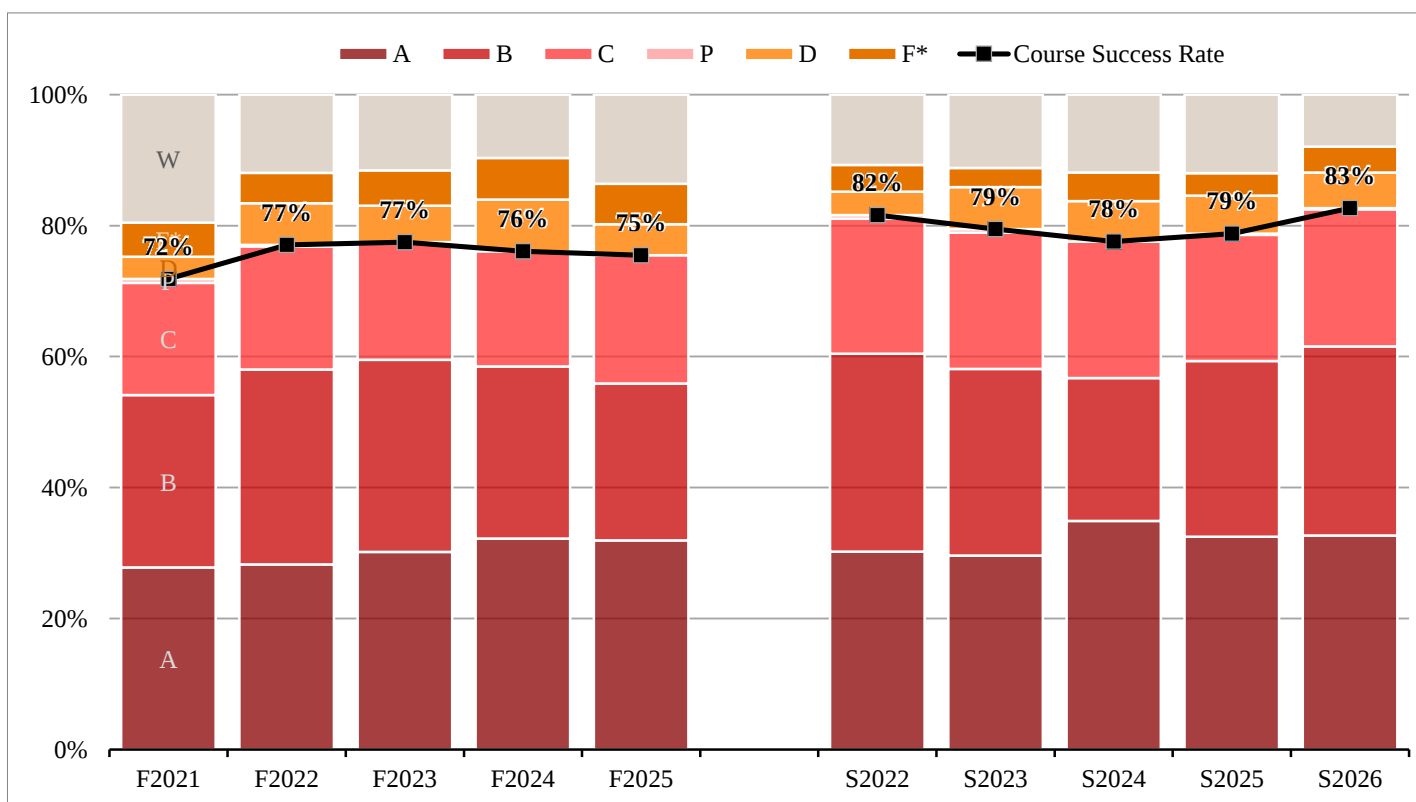
Highest Educational Level of Students

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
High School/Adult School	15	23	16	18	20	19	16	26	32	26
Freshmen (<30 units)	110	186	225	243	213	140	157	232	255	238
Sophomore (30-59 units)	112	118	145	167	207	104	109	131	153	164
Other Undergraduate (60 units or more)	58	50	64	50	69	69	63	79	74	90
AA/AS Degree	8	7	10	4	8	10	4	9	9	4
BA/BS or Higher Degree	24	25	24	24	34	21	26	27	28	32
% High School/Adult School	5%	6%	3%	4%	4%	5%	4%	5%	6%	5%
% Freshmen (<30 units)	34%	45%	46%	48%	39%	39%	42%	46%	46%	43%
% Sophomore (30-59 units)	34%	29%	30%	33%	38%	29%	29%	26%	28%	30%
% Other Undergraduate (60 units or more)	18%	12%	13%	10%	13%	19%	17%	16%	13%	16%
% AA/AS Degree	2%	2%	2%	1%	1%	3%	1%	2%	2%	1%
% BA/BS or Higher Degree	7%	6%	5%	5%	6%	6%	7%	5%	5%	6%



Student Performance: Grade Distribution

Chemistry (CHEM)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
Total Course Enrollments	327	410	484	506	551	364	375	504	551	554
Course Success Rates	72%	77%	77%	76%	75%	82%	79%	78%	79%	83%
A	28%	28%	30%	32%	32%	30%	30%	35%	32%	33%
B	26%	30%	29%	26%	24%	30%	29%	22%	27%	29%
C	17%	19%	18%	18%	20%	21%	21%	21%	19%	21%
P	1%	<1%	0%	0%	0%	1%	1%	0%	<1%	<1%
Course Non-Success Rate	9%	11%	11%	14%	11%	8%	9%	11%	9%	9%
D	3%	6%	6%	8%	5%	4%	6%	6%	6%	5%
F*	5%	5%	5%	6%	6%	4%	3%	4%	3%	4%
Withdrawals (See Note)	20%	12%	12%	10%	14%	11%	11%	12%	12%	8%



Definitions:

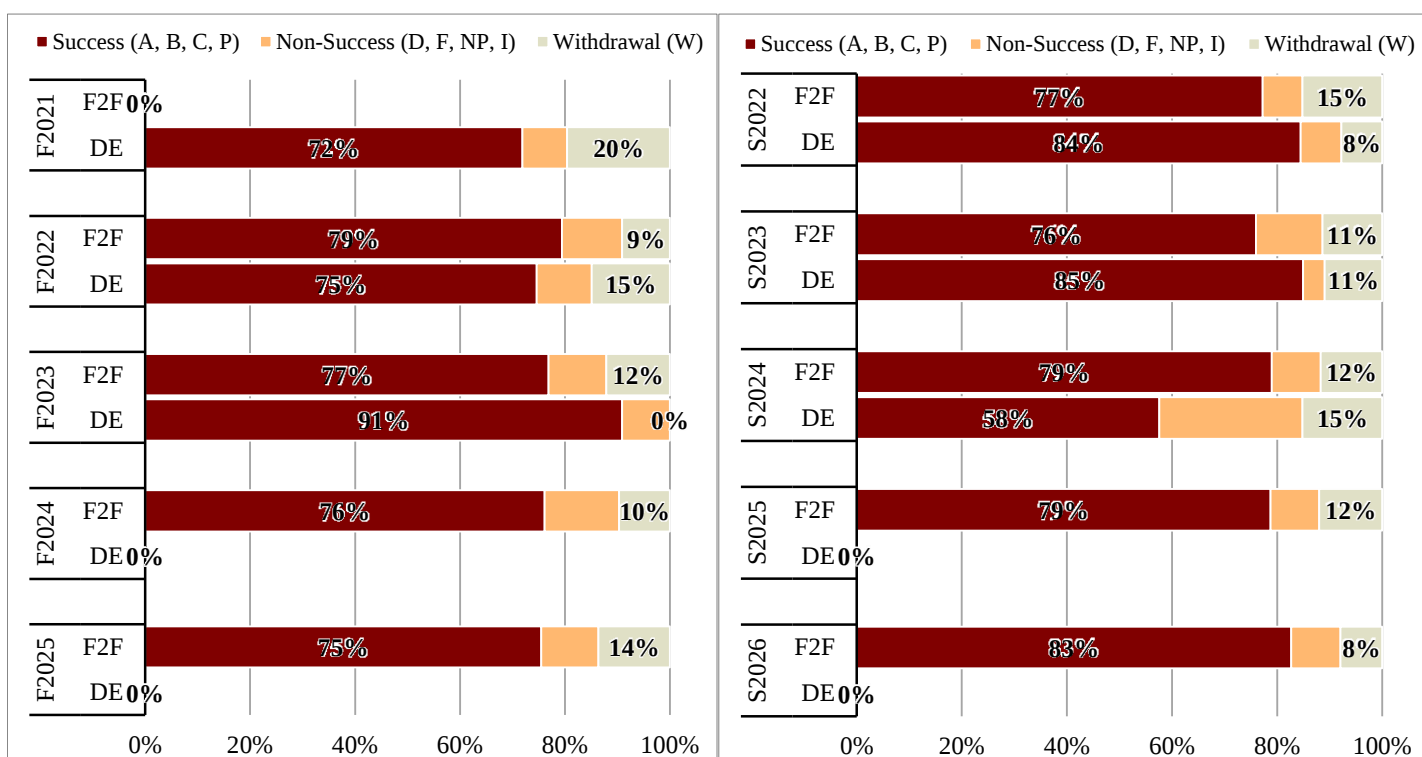
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

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				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
Total Course Enrollments	327	410	484	506	551	364	375	504	551	554
Face-to-Face (F2F) Sections	0	209	462	506	551	145	229	471	551	554
Success Rates	—	79%	77%	76%	75%	77%	76%	79%	79%	83%
Non-Success Rates	—	11%	11%	14%	11%	8%	13%	9%	9%	9%
Withdrawals	—	9%	12%	10%	14%	15%	11%	12%	12%	8%
Distance Education (DE) Sections	327	201	22	0	0	219	146	33	0	0
Success Rates	72%	75%	91%	—	—	84%	85%	58%	—	—
Non-Success Rates	9%	10%	9%	—	—	8%	4%	27%	—	—
Withdrawals	20%	15%	0%	—	—	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').

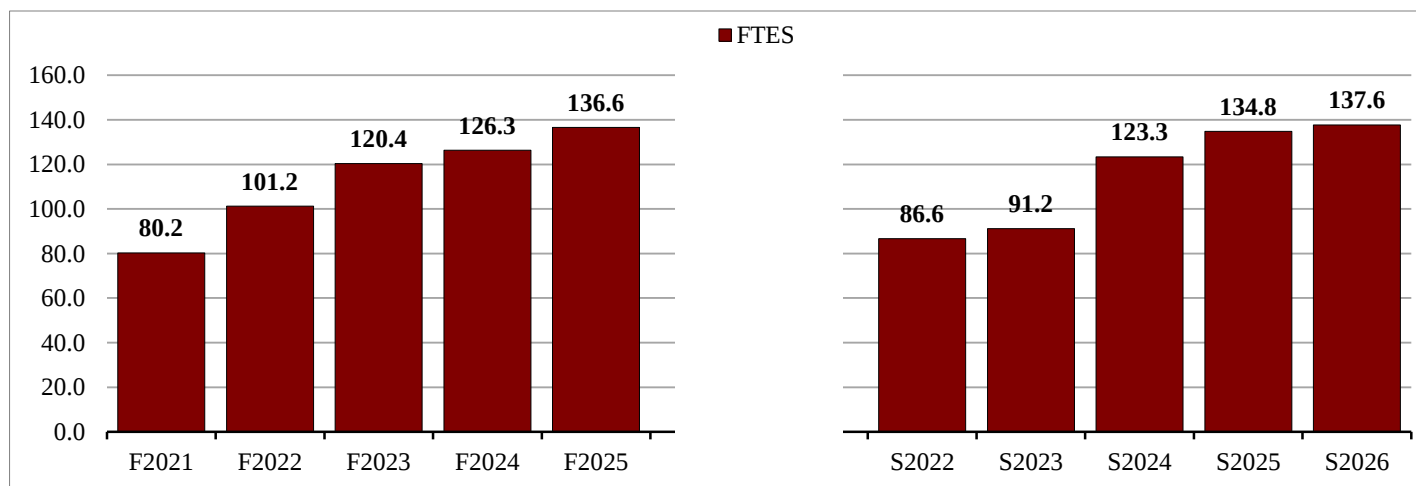
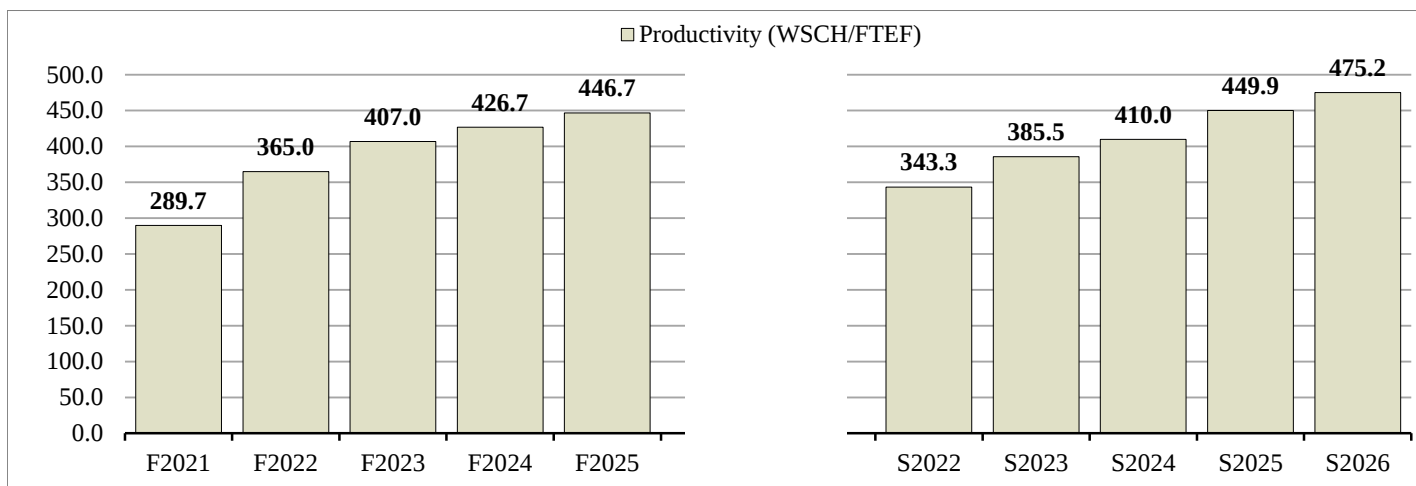
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

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				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
WSCH	2,448	3,084	3,663	3,840	4,188	2,652	2,766	3,762	4,128	4,182
FTES	80.2	101.2	120.4	126.3	136.6	86.6	91.2	123.3	134.8	137.6
FTEF	8.5	8.5	9.0	9.0	9.4	7.7	7.2	9.2	9.2	8.8
Productivity (WSCH/FTEF)	289.7	365.0	407.0	426.7	446.7	343.3	385.5	410.0	449.9	475.2



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.

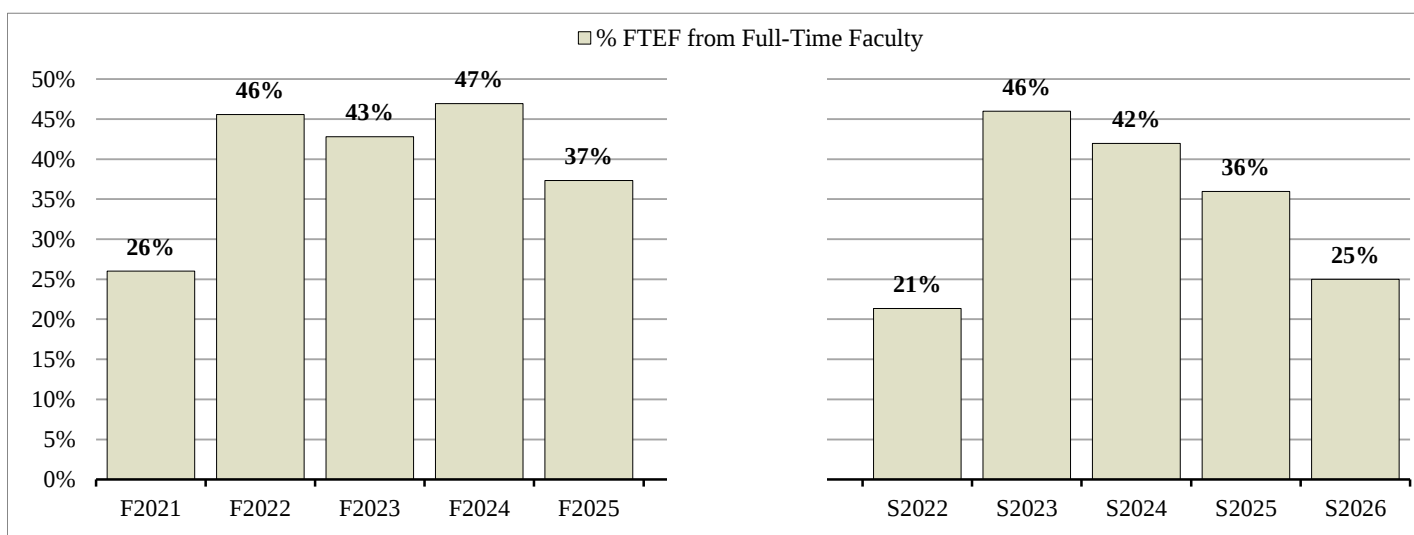
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
FTEF from Full-Time Faculty	2.2	3.9	3.9	4.2	3.5	1.7	3.3	3.9	3.3	2.2
% FTEF from Full-Time Faculty	26%	46%	43%	47%	37%	21%	46%	42%	36%	25%
Enrollments	327	410	484	506	551	364	375	504	551	554
Capacity (seats available)	375	476	498	498	522	452	430	520	522	498
Fill Rate	87%	86%	97%	102%	106%	81%	87%	97%	106%	111%



Definitions:

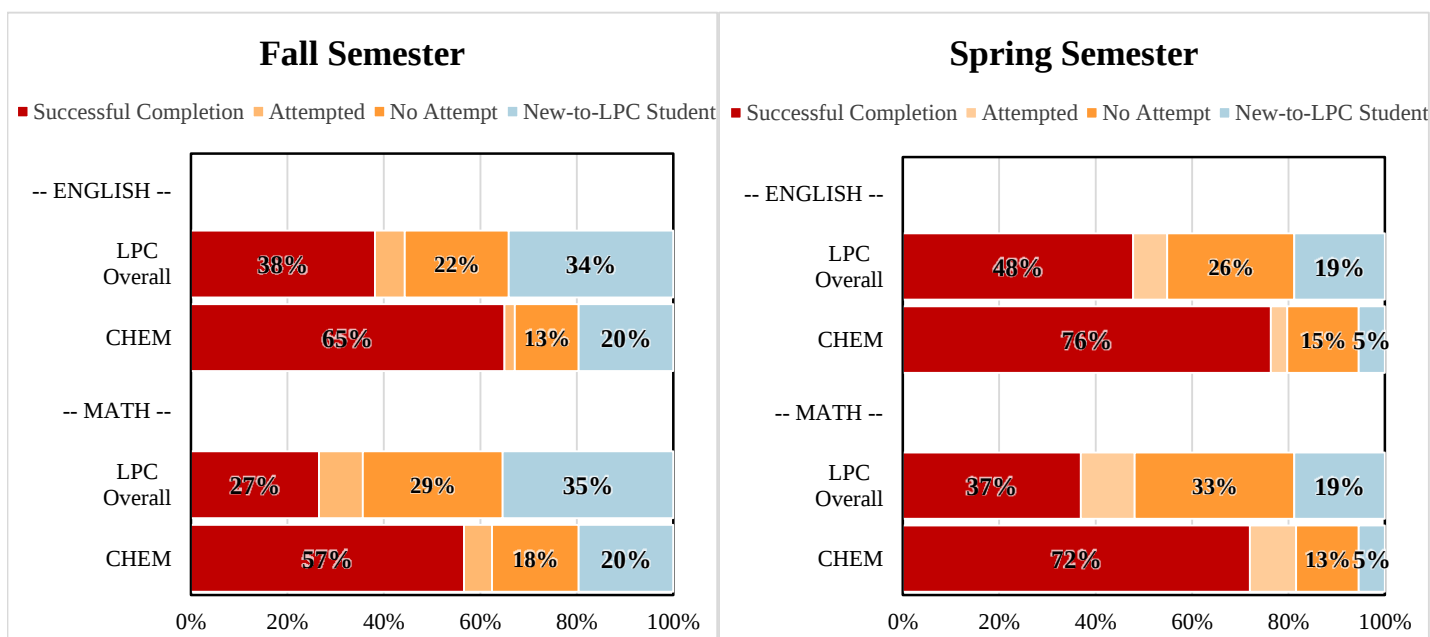
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 2025				Spring 2026			
	CHEM		LPC Overall		CHEM		LPC Overall	
	Num	Pct	Num	Pct	Num	Pct	Num	Pct
Transfer-level English								
Successful Completion*	358	65%	3,416	38%	423	76%	4,091	48%
Attempted (not successful)	12	2%	553	6%	19	3%	607	7%
No Attempt	73	13%	1,931	22%	82	15%	2,260	26%
New-to-LPC Student	108	20%	3,057	34%	30	5%	1,609	19%
Transfer-level Math								
Successful Completion*	312	57%	2,211	27%	399	72%	3,163	37%
Attempted (not successful)	32	6%	756	9%	53	10%	959	11%
No Attempt	99	18%	2,410	29%	72	13%	2,836	33%
New-to-LPC Student	108	20%	2,946	35%	30	5%	1,609	19%



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.