



Las Positas College

Discipline Program Review Data Packet

Fall 2021 to Spring 2026

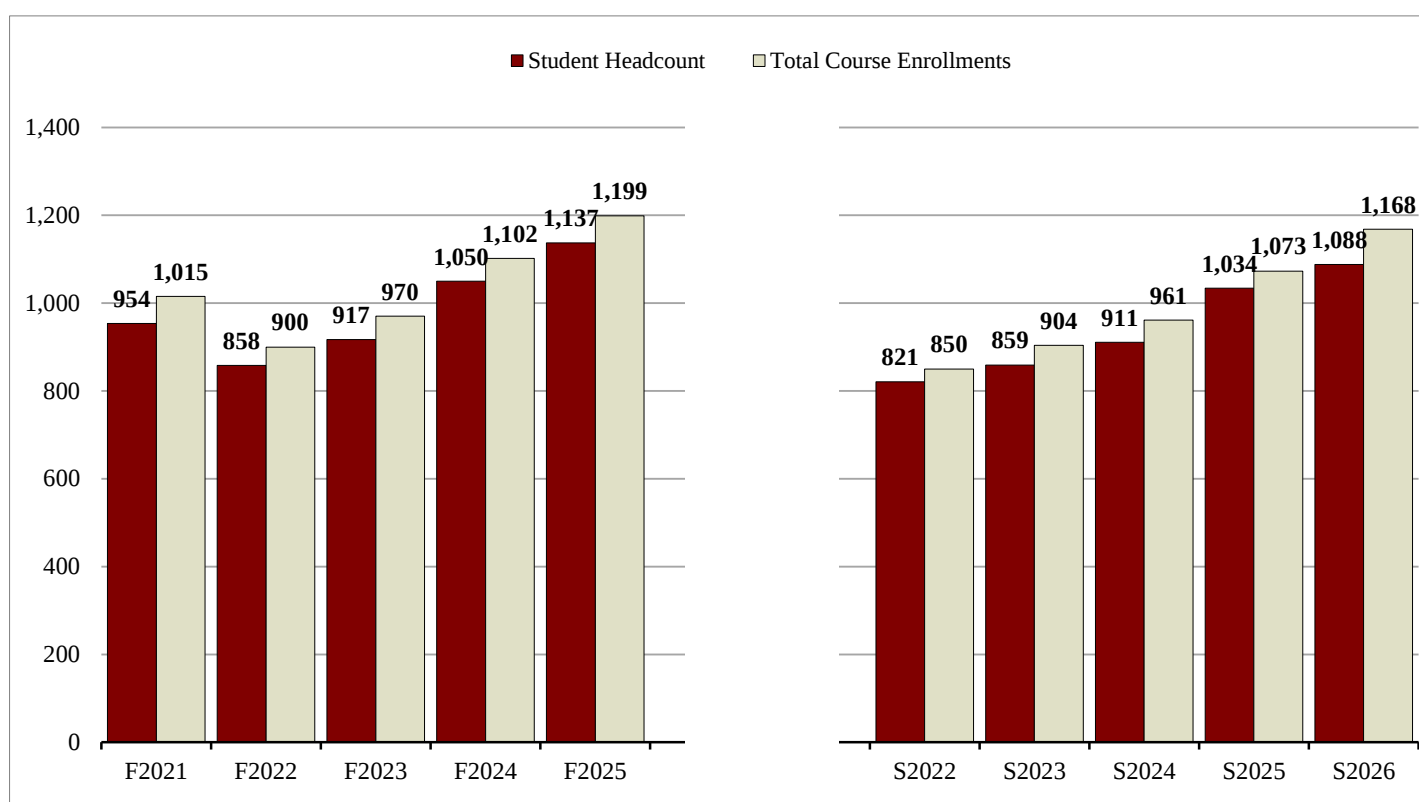
Discipline:

Biological Sciences (BIO)

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Headcount & Enrollment

Biological Sciences (BIO)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
Student Headcount	954	858	917	1,050	1,137	821	859	911	1,034	1,088
Total Course Enrollments	1,015	900	970	1,102	1,199	850	904	961	1,073	1,168



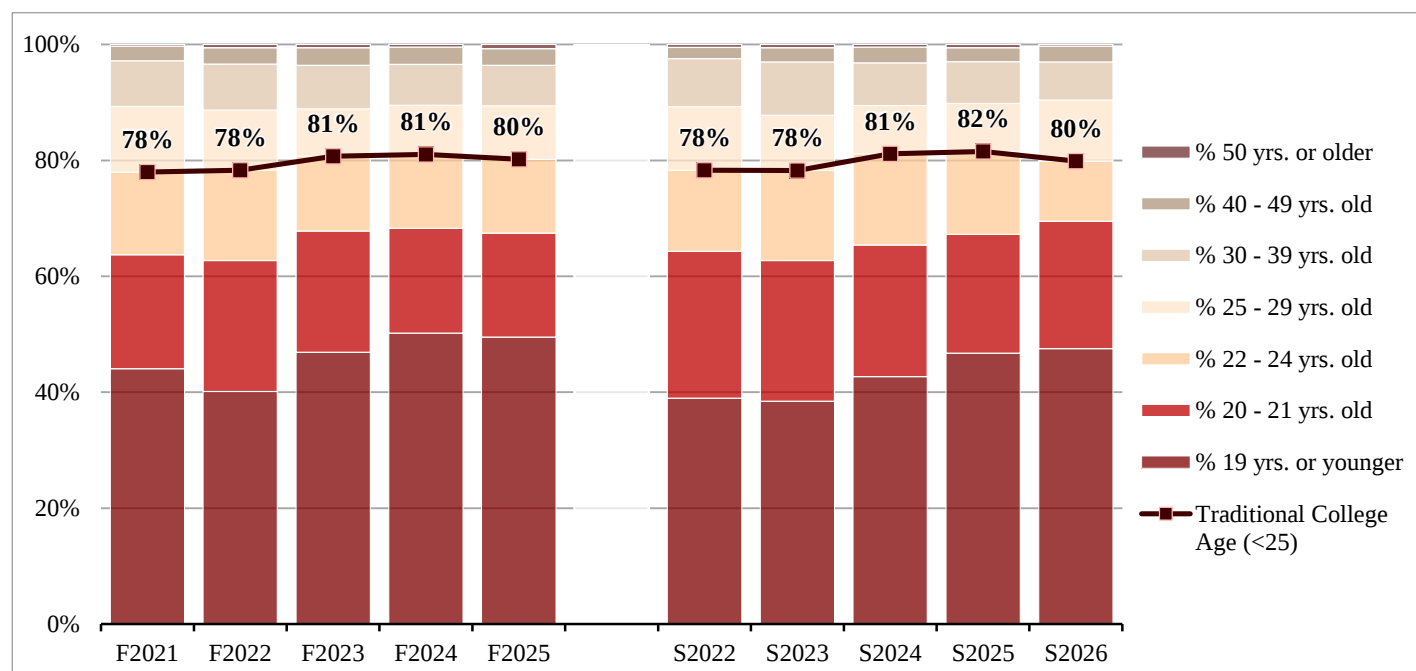
Definitions:

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.

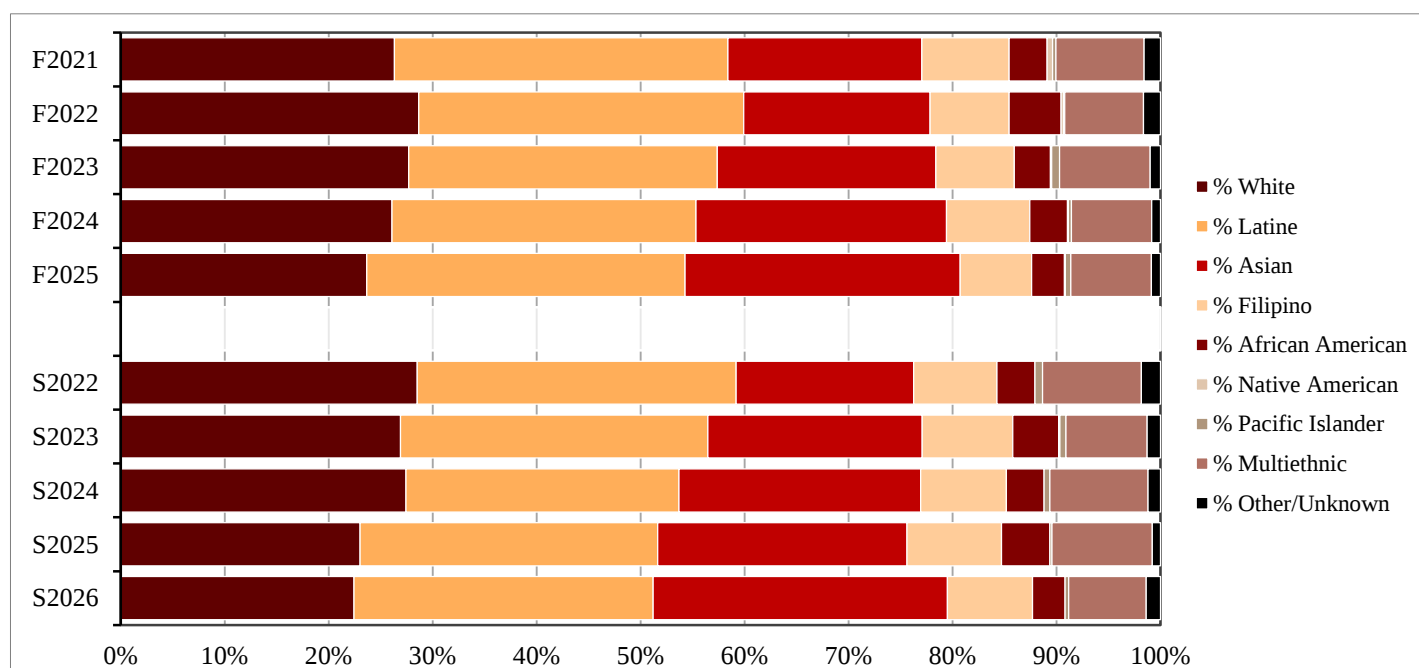
Student Demographics: Gender & Age

Biological Sciences (BIO)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
Female	625	547	562	621	750	524	539	551	657	700
Male	316	300	304	369	368	291	305	315	363	361
Non-Binary	0	0	0	0	8	0	0	0	6	7
19 yrs. or younger	420	344	430	527	563	320	330	389	483	517
20-21 yrs. old	188	194	192	190	204	208	209	207	212	239
22-24 yrs. old	136	134	118	134	145	115	133	143	148	113
25-29 yrs. old	108	89	75	89	105	90	82	76	86	115
30-39 yrs. old	75	68	69	74	79	68	79	67	74	71
40-49 yrs. old	24	24	28	31	33	16	21	25	25	30
50 yrs. or older	3	5	5	5	8	4	5	4	6	3
% Female	66%	65%	65%	63%	67%	64%	64%	64%	64%	66%
% Male	34%	35%	35%	37%	33%	36%	36%	36%	35%	34%
% Non-Binary	0%	0%	0%	0%	1%	0%	0%	0%	1%	1%
% 19 yrs. or younger	44%	40%	47%	50%	50%	39%	38%	43%	47%	48%
% 20 - 21 yrs. old	20%	23%	21%	18%	18%	25%	24%	23%	21%	22%
% 22 - 24 yrs. old	14%	16%	13%	13%	13%	14%	15%	16%	14%	10%
% 25 - 29 yrs. old	11%	10%	8%	8%	9%	11%	10%	8%	8%	11%
% 30 - 39 yrs. old	8%	8%	8%	7%	7%	8%	9%	7%	7%	7%
% 40 - 49 yrs. old	3%	3%	3%	3%	3%	2%	2%	3%	2%	3%
% 50 yrs. or older	<1%	1%	1%	<1%	1%	<1%	1%	<1%	1%	<1%



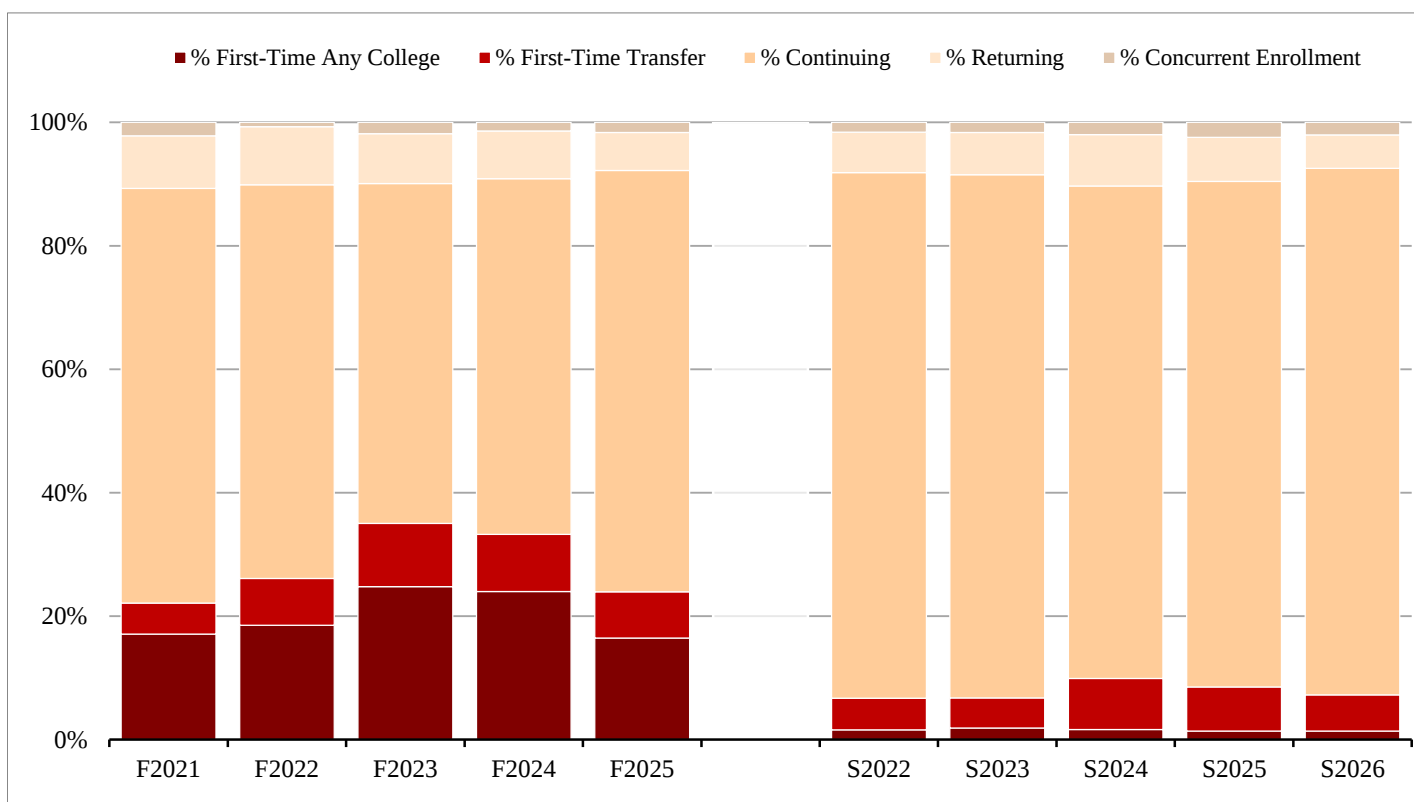
Student Demographic: Race-Ethnicity

Biological Sciences (BIO)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
African American	35	43	32	38	36	30	38	33	48	34
Asian	178	154	193	253	301	140	177	212	248	308
Filipino	80	65	69	84	78	66	75	75	94	89
Latine	306	268	272	307	348	252	254	239	296	313
Native American	5	2	1	1	1	0	1	0	0	0
Pacific Islander	3	1	7	3	6	6	5	5	2	4
White	251	246	254	274	269	234	231	250	238	244
Multiethnic	81	65	80	81	88	78	67	86	100	81
Other/Unknown	15	14	9	9	10	15	11	11	8	15
% African American	4%	5%	3%	4%	3%	4%	4%	4%	5%	3%
% Asian	19%	18%	21%	24%	26%	17%	21%	23%	24%	28%
% Filipino	8%	8%	8%	8%	7%	8%	9%	8%	9%	8%
% Latine	32%	31%	30%	29%	31%	31%	30%	26%	29%	29%
% Native American	1%	<1%	<1%	<1%	<1%	0%	<1%	0%	0%	0%
% Pacific Islander	<1%	<1%	1%	<1%	1%	1%	1%	1%	<1%	<1%
% White	26%	29%	28%	26%	24%	29%	27%	27%	23%	22%
% Multiethnic	8%	8%	9%	8%	8%	10%	8%	9%	10%	7%
% Other/Unknown	2%	2%	1%	1%	1%	2%	1%	1%	1%	1%



Student Enrollment Status

Biological Sciences (BIO)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
First-Time Any College	163	159	227	252	187	13	16	15	14	15
First-Time Transfer	48	65	94	97	85	42	42	75	74	64
Continuing	641	547	505	605	776	699	728	727	847	928
Returning	81	81	74	81	70	54	59	76	74	59
Concurrent Enrollment	21	6	17	15	19	13	14	18	25	22
% First-Time Any College	17%	19%	25%	24%	16%	2%	2%	2%	1%	1%
% First-Time Transfer	5%	8%	10%	9%	7%	5%	5%	8%	7%	6%
% Continuing	67%	64%	55%	58%	68%	85%	85%	80%	82%	85%
% Returning	8%	9%	8%	8%	6%	7%	7%	8%	7%	5%
% Concurrent Enrollment	2%	1%	2%	1%	2%	2%	2%	2%	2%	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.

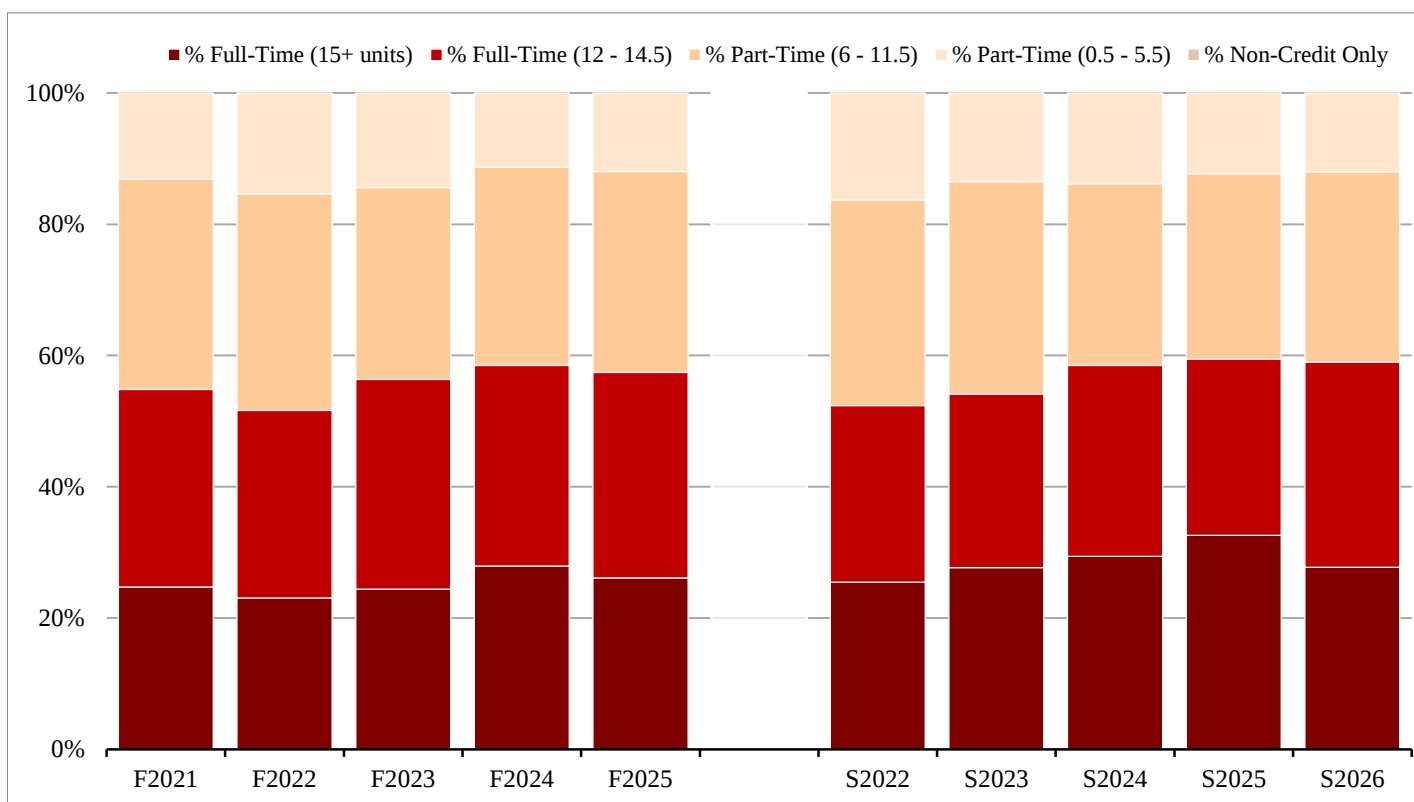
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

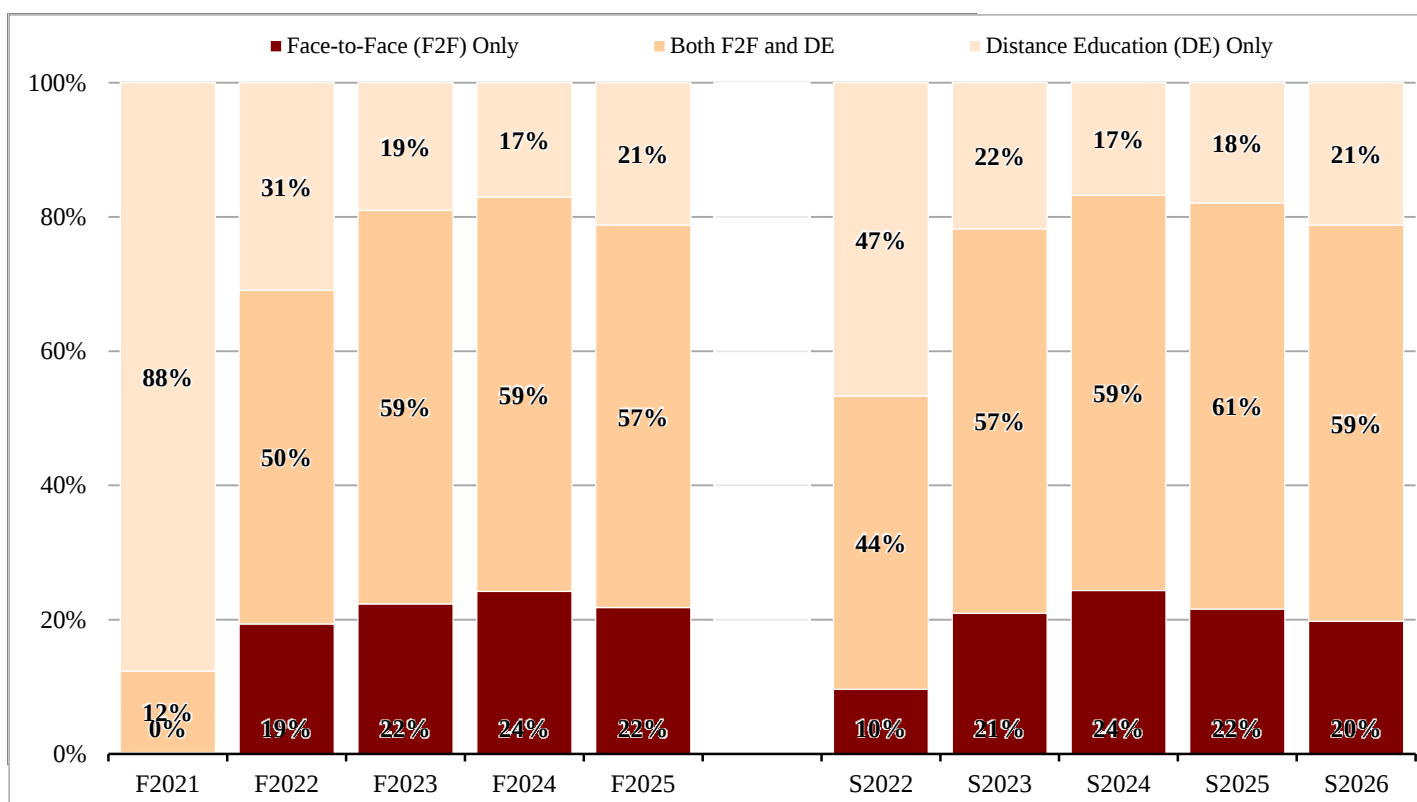
Student Unit Load

Biological Sciences (BIO)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
Full-Time (15+ units)	236	198	224	293	297	209	238	268	337	302
Full-Time (12 - 14.5 units)	287	245	293	321	356	221	227	265	278	340
Part-Time (6 - 11.5 units)	306	283	268	317	348	257	278	252	292	315
Part-Time (0.5 - 5.5 units)	125	132	132	119	136	134	116	126	127	131
Non-Credit Only	0	0	0	0	0	0	0	0	0	0
% Full-Time (15+ units)	25%	23%	24%	28%	26%	25%	28%	29%	33%	28%
% Full-Time (12 - 14.5)	30%	29%	32%	31%	31%	27%	26%	29%	27%	31%
% Part-Time (6 - 11.5)	32%	33%	29%	30%	31%	31%	32%	28%	28%	29%
% Part-Time (0.5 - 5.5)	13%	15%	14%	11%	12%	16%	14%	14%	12%	12%
% Non-Credit Only	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



Students Using Distance Education

Biological Sciences (BIO)										
<i>(Categories reflect college-wide coursework)</i>	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
Face-to-Face (F2F) Only	2	166	205	254	248	79	180	222	223	215
Both F2F and DE	116	427	538	617	648	359	492	536	626	642
Distance Education (DE) Only	837	265	174	179	241	383	187	153	185	231
% Face-to-Face (F2F) Only	<1%	19%	22%	24%	22%	10%	21%	24%	22%	20%
% Both F2F and DE	12%	50%	59%	59%	57%	44%	57%	59%	61%	59%
% Distance Education (DE) Only	88%	31%	19%	17%	21%	47%	22%	17%	18%	21%



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.

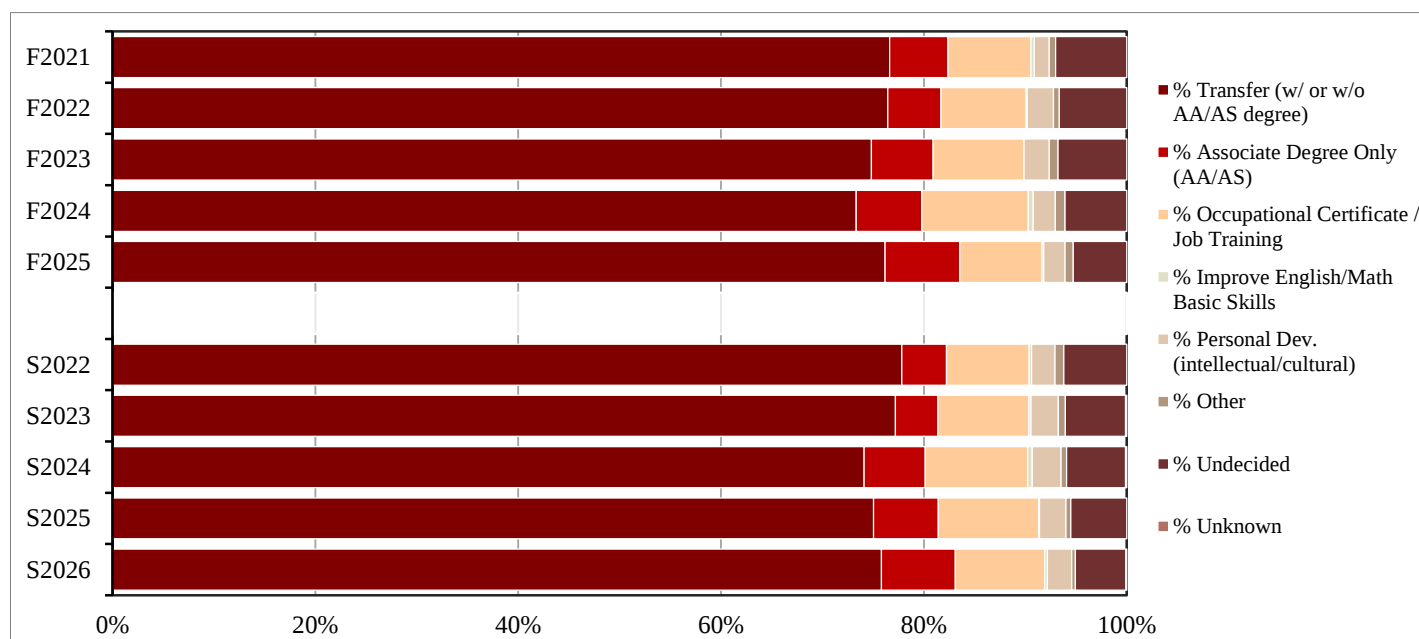
In Summer 2020 and Fall 2020, due to the COVID-19 pandemic, via web comments for each section; identified as any with an online component.

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

Biological Sciences (BIO)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
Transfer (w/ or w/o AA/AS degree)	731	656	686	770	866	639	663	675	776	825
Associate Degree Only (AA/AS)	55	45	56	68	84	36	36	55	66	79
Occupational Certificate / Job Training	78	72	82	110	92	67	77	92	102	96
Improve English/Math Basic Skills	3	1	0	5	2	2	2	4	1	3
Personal Development (intellectual/cultural)	14	22	23	23	24	19	23	26	27	26
Other	6	5	8	10	9	7	6	5	5	4
Undecided	67	57	62	64	60	51	51	53	57	54
Unknown	0	0	0	0	0	0	1	1	0	1
% Transfer (w/ or w/o AA/AS degree)	77%	76%	75%	73%	76%	78%	77%	74%	75%	76%
% Associate Degree Only (AA/AS)	6%	5%	6%	6%	7%	4%	4%	6%	6%	7%
% Occupational Certificate / Job Training	8%	8%	9%	10%	8%	8%	9%	10%	10%	9%
% Improve English/Math Basic Skills	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
% Personal Dev. (intellectual/cultural)	1%	3%	3%	2%	2%	2%	3%	3%	3%	2%
% Other	1%	1%	1%	1%	1%	1%	1%	1%	<1%	<1%
% Undecided	7%	7%	7%	6%	5%	6%	6%	6%	6%	5%
% Unknown	0%	0%	0%	0%	0%	0%	<1%	<1%	0%	<1%



Definitions:

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

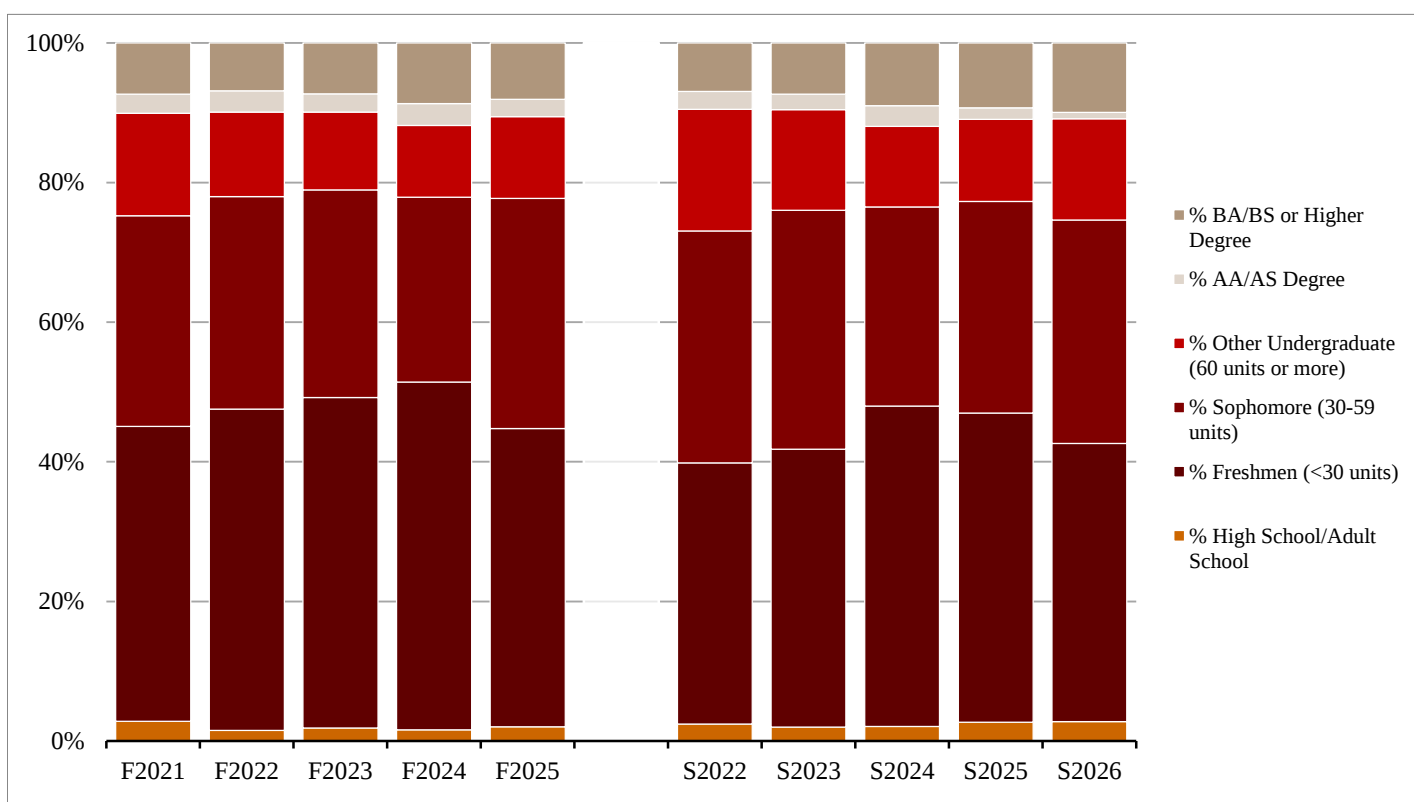
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

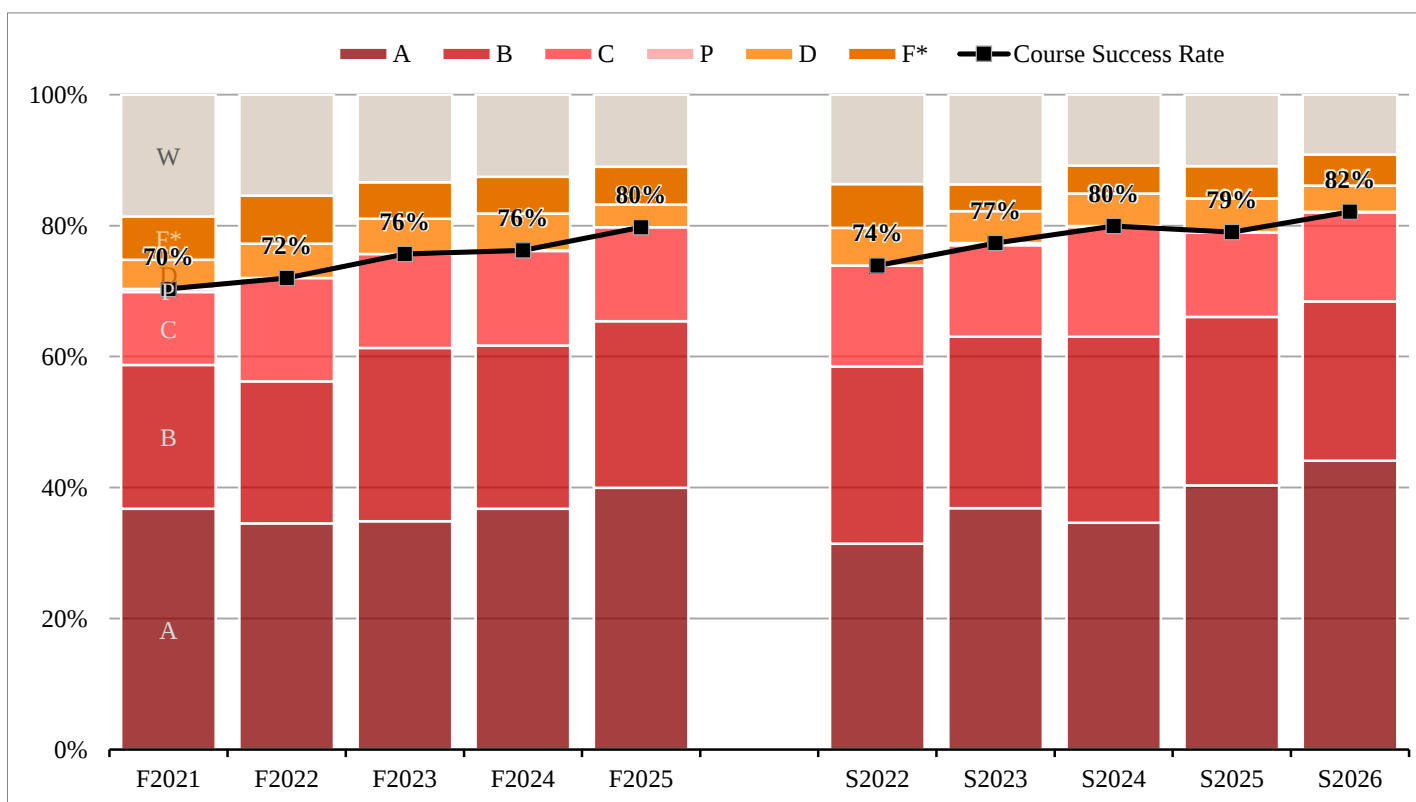
Highest Educational Level of Students

Biological Sciences (BIO)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
High School/Adult School	27	13	17	17	23	20	17	19	28	30
Freshmen (<30 units)	403	395	434	523	486	307	342	418	458	434
Sophomore (30-59 units)	288	261	273	278	375	273	294	260	313	348
Other Undergraduate (60 units or more)	140	104	102	108	133	143	124	105	122	158
AA/AS Degree	26	26	24	33	28	21	19	27	17	10
BA/BS or Higher Degree	70	59	67	91	92	57	63	82	96	108
% High School/Adult School	3%	2%	2%	2%	2%	2%	2%	2%	3%	3%
% Freshmen (<30 units)	42%	46%	47%	50%	43%	37%	40%	46%	44%	40%
% Sophomore (30-59 units)	30%	30%	30%	26%	33%	33%	34%	29%	30%	32%
% Other Undergraduate (60 units or more)	15%	12%	11%	10%	12%	17%	14%	12%	12%	15%
% AA/AS Degree	3%	3%	3%	3%	2%	3%	2%	3%	2%	1%
% BA/BS or Higher Degree	7%	7%	7%	9%	8%	7%	7%	9%	9%	10%



Student Performance: Grade Distribution

Biological Sciences (BIO)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
Total Course Enrollments	1,015	900	970	1,102	1,199	850	904	961	1,073	1,168
Course Success Rates	70%	72%	76%	76%	80%	74%	77%	80%	79%	82%
A	37%	35%	35%	37%	40%	31%	37%	35%	40%	44%
B	22%	22%	26%	25%	25%	27%	26%	28%	26%	24%
C	11%	16%	14%	14%	14%	15%	14%	17%	13%	14%
P	0%	0%	0%	<1%	0%	0%	<1%	<1%	<1%	<1%
Course Non-Success Rate	11%	13%	11%	11%	9%	12%	9%	9%	10%	9%
D	4%	5%	5%	6%	4%	6%	5%	5%	5%	4%
F*	7%	7%	6%	6%	6%	7%	4%	4%	5%	5%
Withdrawals (See Note)	19%	15%	13%	13%	11%	14%	14%	11%	11%	9%



Definitions:

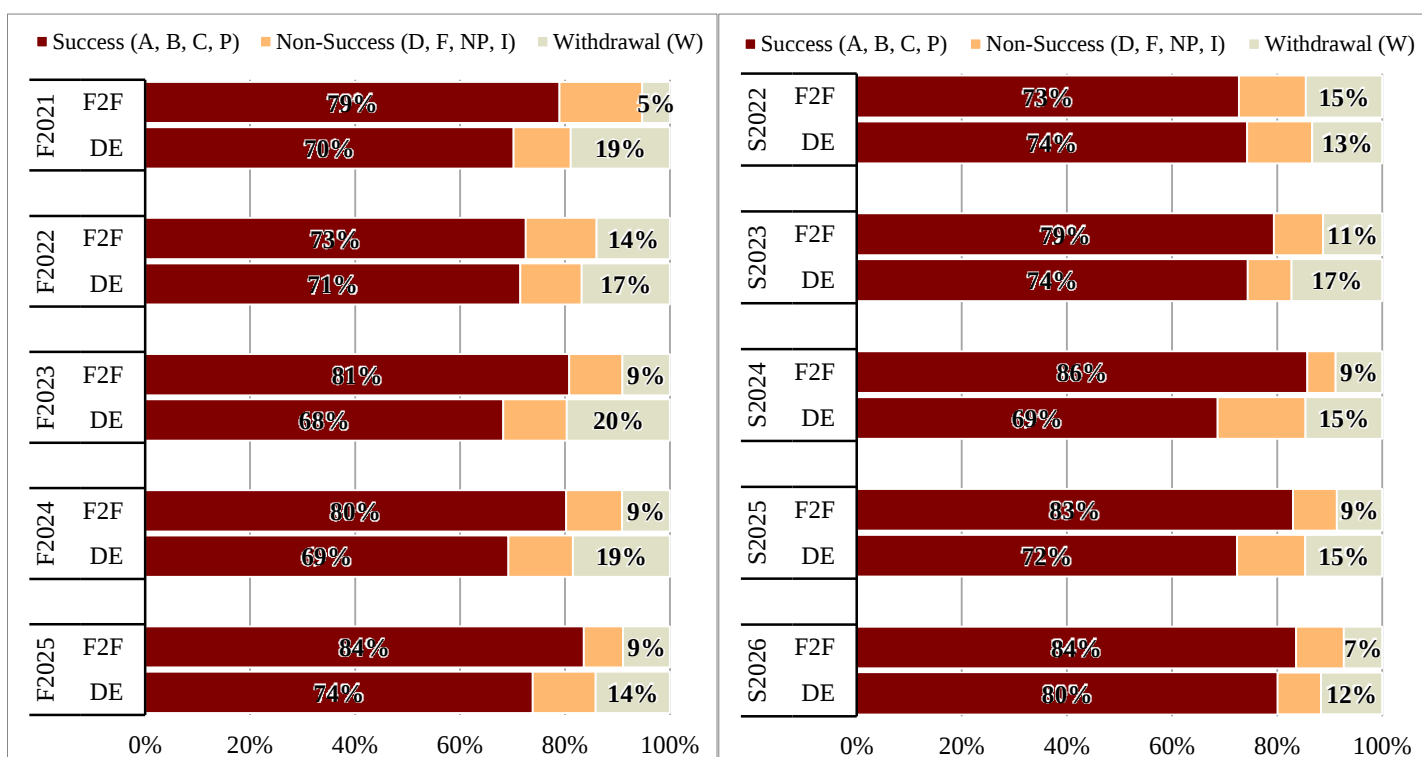
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

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

Biological Sciences (BIO)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
Total Course Enrollments	1,015	900	970	1,102	1,199	850	904	961	1,073	1,168
Face-to-Face (F2F) Sections	19	437	573	702	725	220	533	632	671	671
Success Rates	79%	73%	81%	80%	84%	73%	79%	86%	83%	84%
Non-Success Rates	16%	14%	10%	11%	7%	13%	9%	5%	8%	9%
Withdrawals	5%	14%	9%	9%	9%	15%	11%	9%	9%	7%
Distance Education (DE) Sections	996	463	397	400	474	630	371	329	402	497
Success Rates	70%	71%	68%	69%	74%	74%	74%	69%	72%	80%
Non-Success Rates	11%	12%	12%	12%	12%	12%	8%	17%	13%	8%
Withdrawals	19%	17%	20%	19%	14%	13%	17%	15%	15%	12%



Definitions:

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

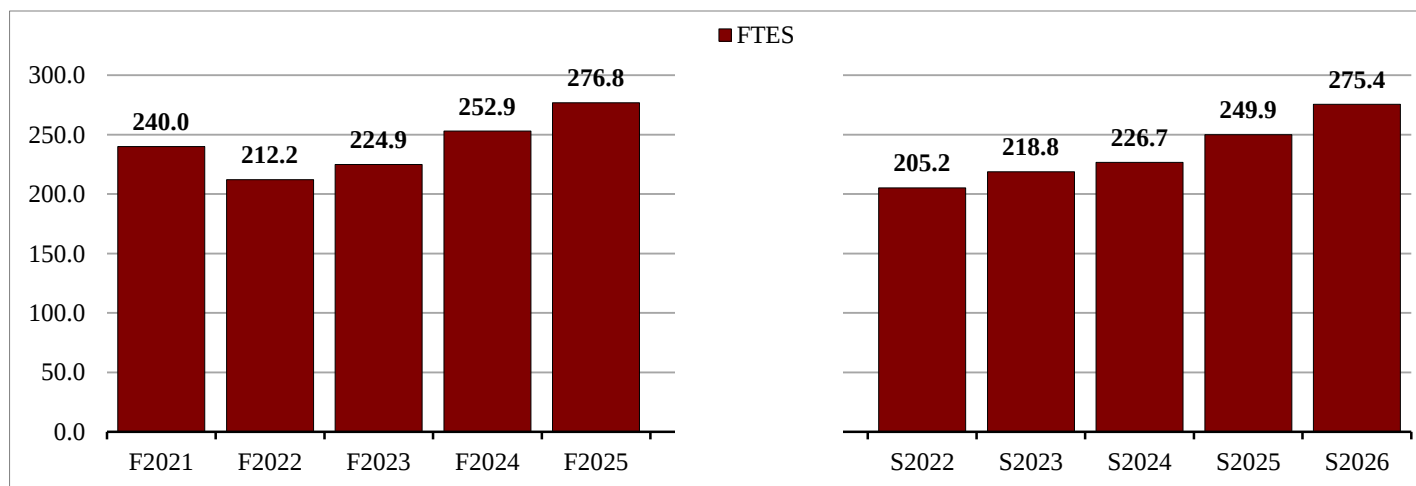
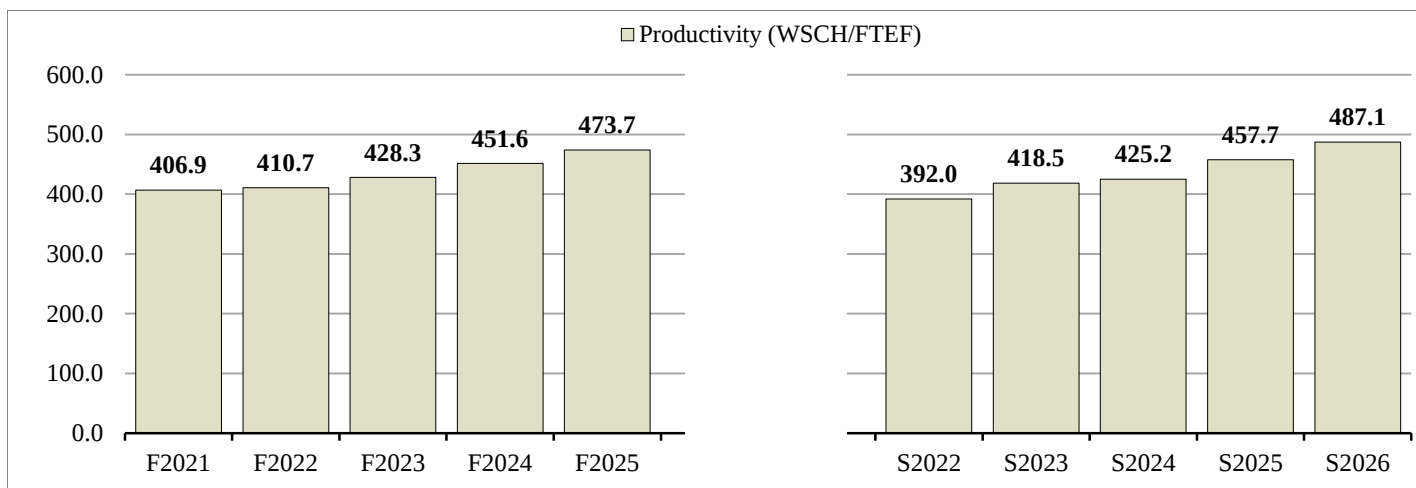
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

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

	Biological Sciences (BIO)									
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
WSCH	7,288	6,491	6,854	7,710	8,486	6,245	6,641	6,926	7,690	8,436
FTES	240.0	212.2	224.9	252.9	276.8	205.2	218.8	226.7	249.9	275.4
FTEF	17.9	15.8	16.0	17.1	17.9	15.9	15.9	16.3	16.8	17.3
Productivity (WSCH/FTEF)	406.9	410.7	428.3	451.6	473.7	392.0	418.5	425.2	457.7	487.1



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.

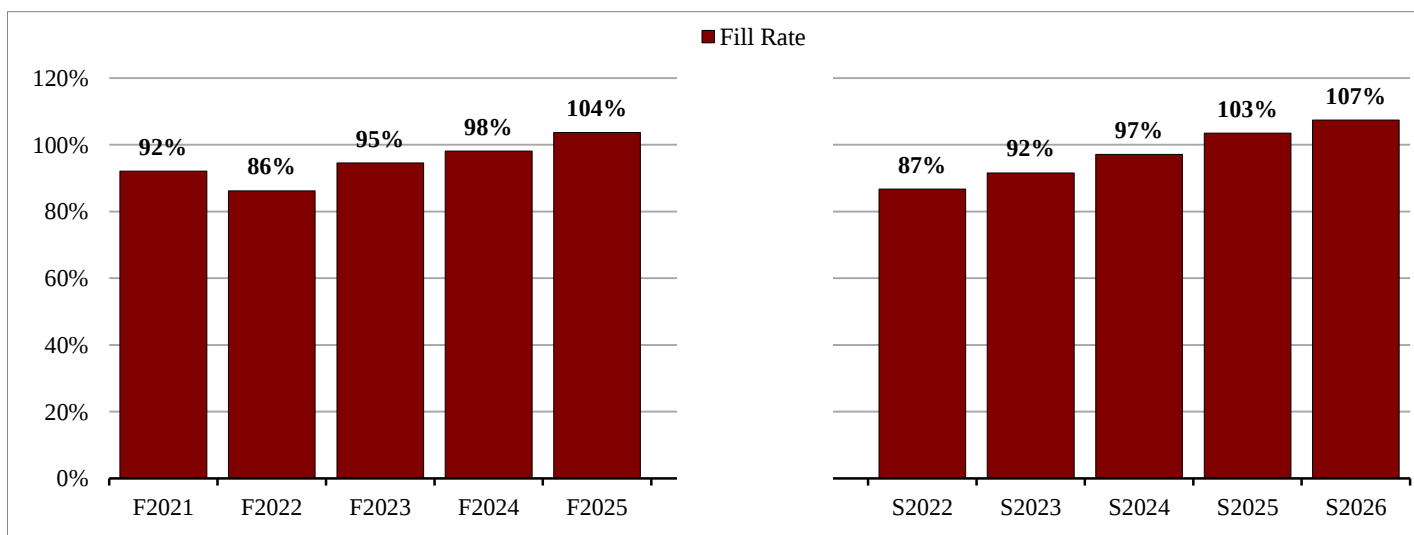
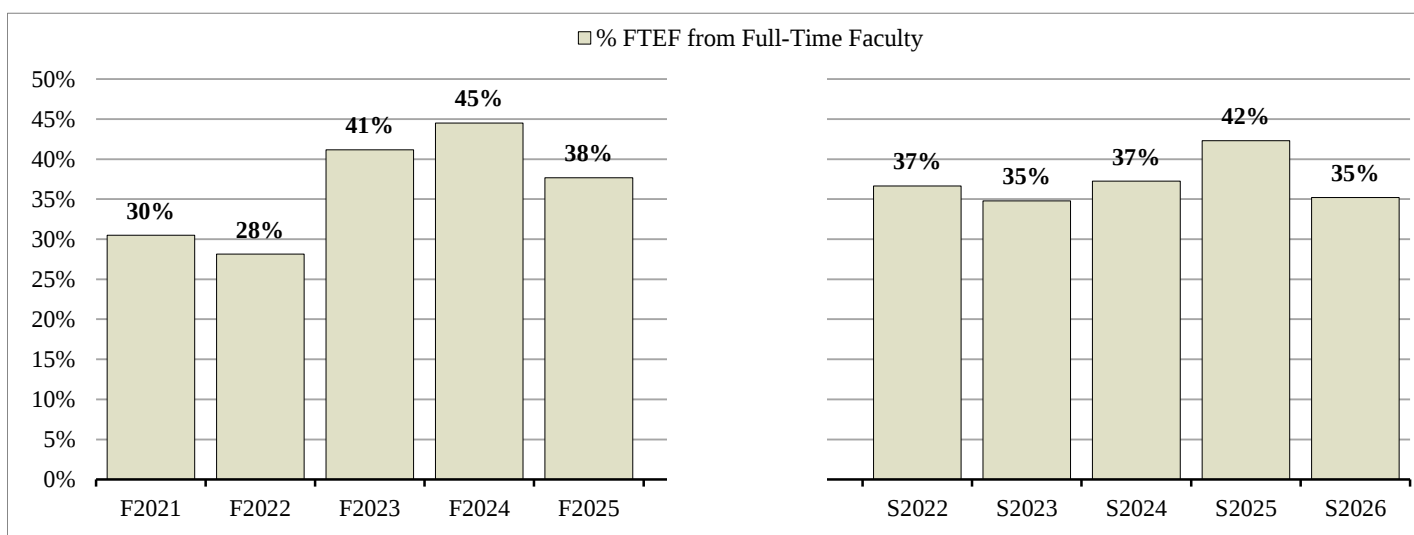
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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

Biological Sciences (BIO)										
	Fall Terms					Spring Terms				
	F2021	F2022	F2023	F2024	F2025	S2022	S2023	S2024	S2025	S2026
FTEF from Full-Time Faculty	5.5	4.5	6.6	7.6	6.8	5.8	5.5	6.1	7.1	6.1
% FTEF from Full-Time Faculty	30%	28%	41%	45%	38%	37%	35%	37%	42%	35%
Enrollments	1,015	900	970	1,102	1,199	850	904	961	1,073	1,168
Capacity (seats available)	1,102	1,044	1,026	1,123	1,156	980	987	989	1,037	1,087
Fill Rate	92%	86%	95%	98%	104%	87%	92%	97%	103%	107%



Definitions:

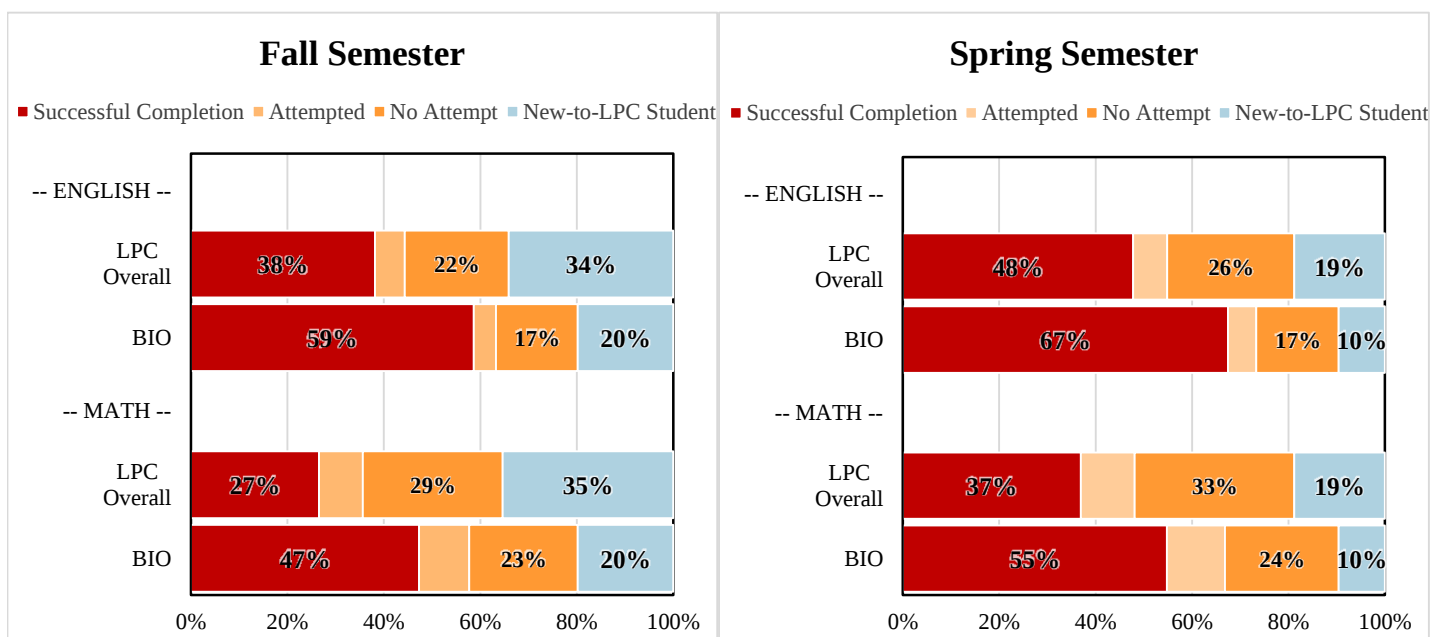
Fill Rate is number of enrollments over the total capacity (seats available).

% 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			
	BIO		LPC Overall		BIO		LPC Overall	
	Num	Pct	Num	Pct	Num	Pct	Num	Pct
Transfer-level English								
Successful Completion*	667	59%	3,416	38%	734	67%	4,091	48%
Attempted (not successful)	52	5%	553	6%	64	6%	607	7%
No Attempt	193	17%	1,931	22%	186	17%	2,260	26%
New-to-LPC Student	225	20%	3,057	34%	104	10%	1,609	19%
Transfer-level Math								
Successful Completion*	538	47%	2,211	27%	596	55%	3,163	37%
Attempted (not successful)	118	10%	756	9%	131	12%	959	11%
No Attempt	256	23%	2,410	29%	257	24%	2,836	33%
New-to-LPC Student	225	20%	2,946	35%	104	10%	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.