



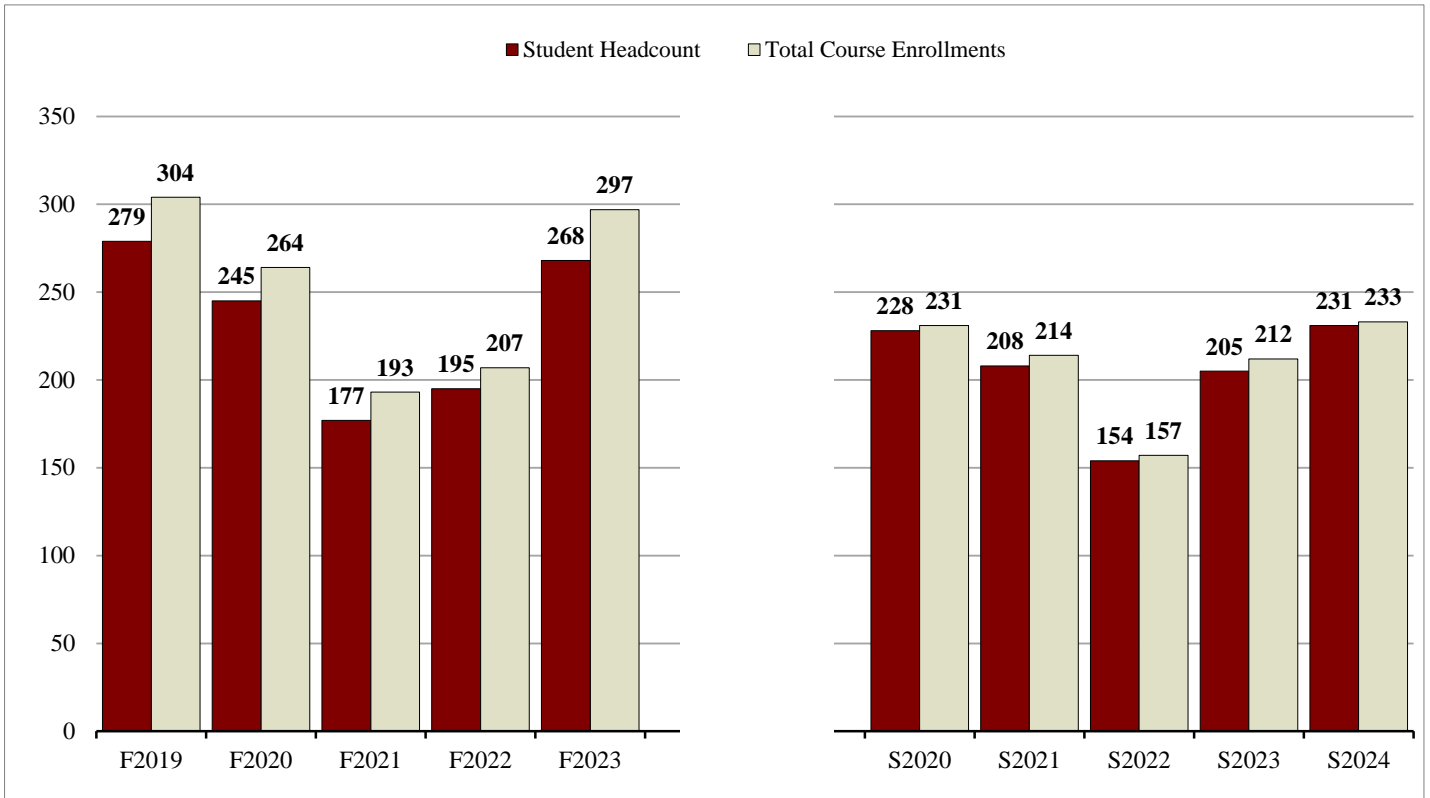
Las Positas College
Discipline Program Review Data Packet
Fall 2019 to Spring 2024

Discipline:
Physics (PHYS)

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Headcount & Enrollment

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Student Headcount	279	245	177	195	268	228	208	154	205	231
Total Course Enrollments	304	264	193	207	297	231	214	157	212	233



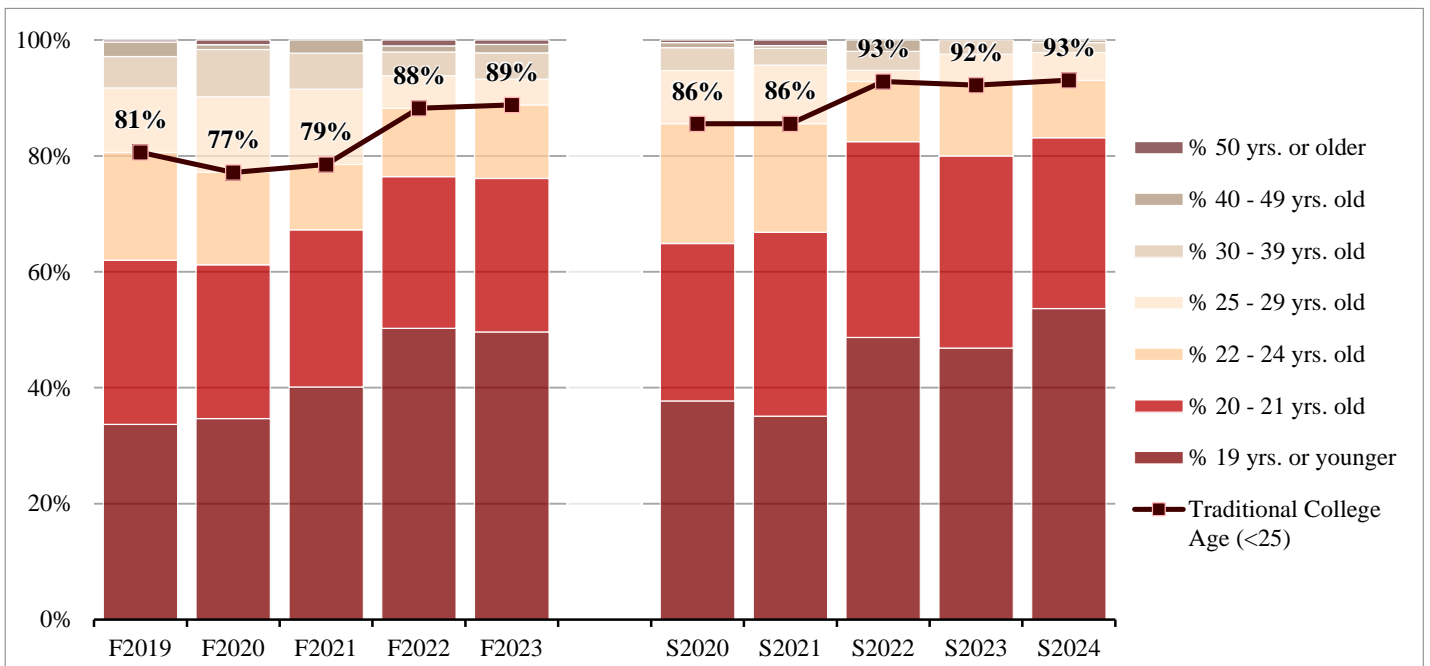
Definitions:

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.

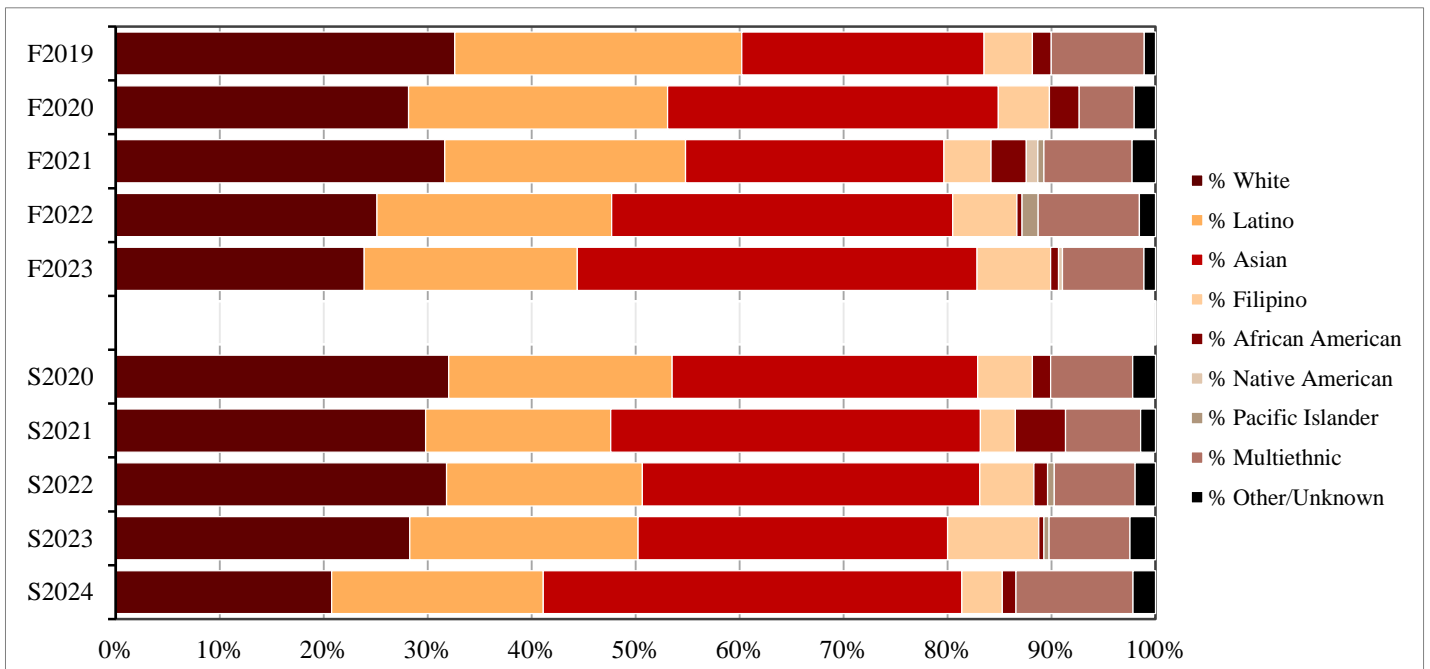
Student Demographics: Gender & Age

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Female	92	84	49	68	87	59	58	50	48	65
Male	184	156	122	123	174	164	144	102	153	157
19 yrs. or younger	94	85	71	98	133	86	73	75	96	124
20-21 yrs. old	79	65	48	51	71	62	66	52	68	68
22-24 yrs. old	52	39	20	23	34	47	39	16	25	23
25-29 yrs. old	31	32	23	11	12	21	21	3	11	11
30-39 yrs. old	15	20	11	8	12	9	6	5	5	4
40-49 yrs. old	7	2	4	2	4	2	1	3	0	1
50 yrs. or older	1	2	0	2	2	1	2	0	0	0
% Female	33%	35%	29%	36%	33%	26%	29%	33%	24%	29%
% Male	67%	65%	71%	64%	67%	74%	71%	67%	76%	71%
% 19 yrs. or younger	34%	35%	40%	50%	50%	38%	35%	49%	47%	54%
% 20 - 21 yrs. old	28%	27%	27%	26%	26%	27%	32%	34%	33%	29%
% 22 - 24 yrs. old	19%	16%	11%	12%	13%	21%	19%	10%	12%	10%
% 25 - 29 yrs. old	11%	13%	13%	6%	4%	9%	10%	2%	5%	5%
% 30 - 39 yrs. old	5%	8%	6%	4%	4%	4%	3%	3%	2%	2%
% 40 - 49 yrs. old	3%	1%	2%	1%	1%	1%	<1%	2%	0%	<1%
% 50 yrs. or older	<1%	1%	0%	1%	1%	<1%	1%	0%	0%	0%



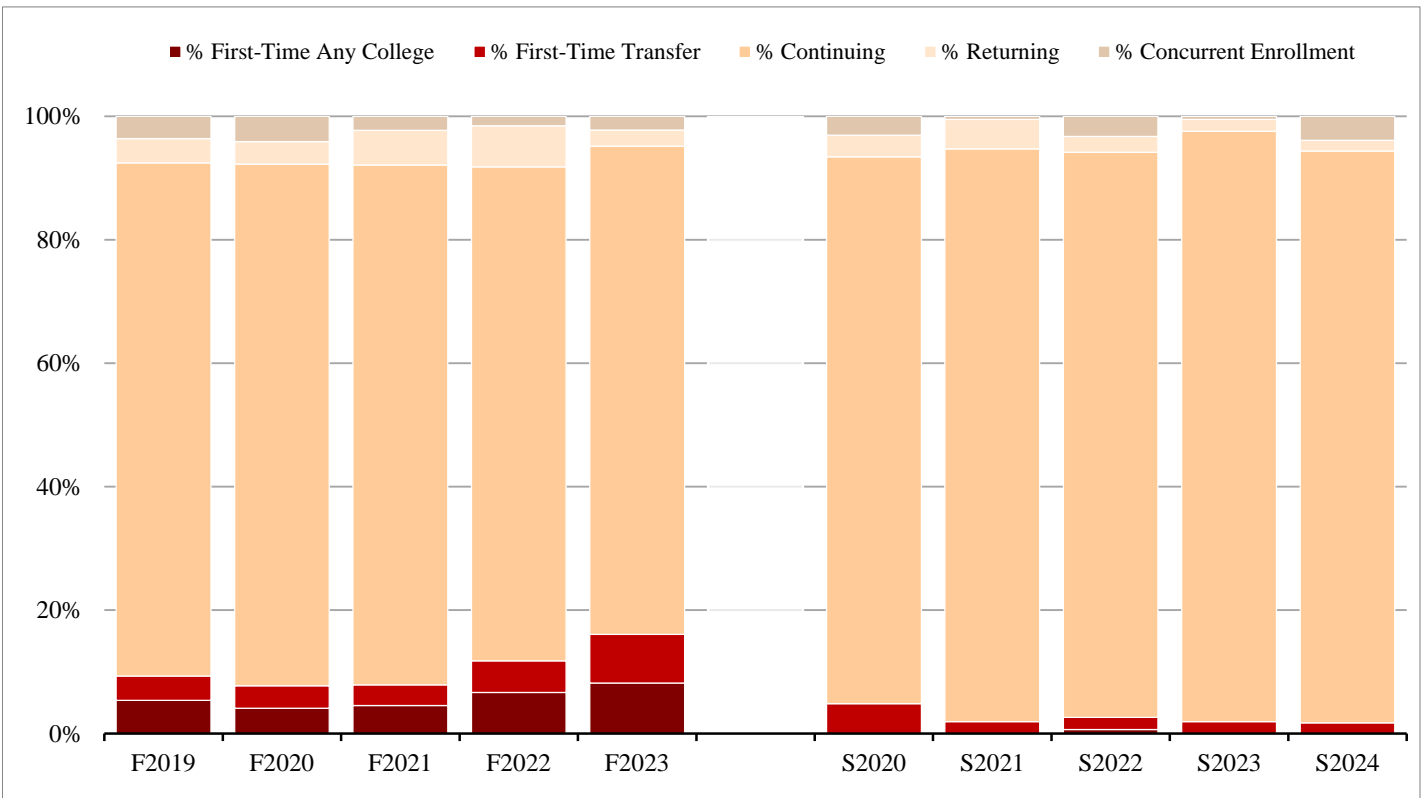
Student Demographic: Race-Ethnicity

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
African American	5	7	6	1	2	4	10	2	1	3
Asian	65	78	44	64	103	67	74	50	61	93
Filipino	13	12	8	12	19	12	7	8	18	9
Latino	77	61	41	44	55	49	37	29	45	47
Native American	0	0	2	0	1	0	0	0	0	0
Pacific Islander	0	0	1	3	0	0	0	1	1	0
White	91	69	56	49	64	73	62	49	58	48
Multiethnic	25	13	15	19	21	18	15	12	16	26
Other/Unknown	3	5	4	3	3	5	3	3	5	5
% African American	2%	3%	3%	1%	1%	2%	5%	1%	<1%	1%
% Asian	23%	32%	25%	33%	38%	29%	36%	32%	30%	40%
% Filipino	5%	5%	5%	6%	7%	5%	3%	5%	9%	4%
% Latino	28%	25%	23%	23%	21%	21%	18%	19%	22%	20%
% Native American	0%	0%	1%	0%	<1%	0%	0%	0%	0%	0%
% Pacific Islander	0%	0%	1%	2%	0%	0%	0%	1%	<1%	0%
% White	33%	28%	32%	25%	24%	32%	30%	32%	28%	21%
% Multiethnic	9%	5%	8%	10%	8%	8%	7%	8%	8%	11%
% Other/Unknown	1%	2%	2%	2%	1%	2%	1%	2%	2%	2%



Student Enrollment Status

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
First-Time Any College	15	10	8	13	22	0	0	1	0	0
First-Time Transfer	11	9	6	10	21	11	4	3	4	4
Continuing	232	207	149	156	212	202	193	141	196	214
Returning	11	9	10	13	7	8	10	4	4	4
Concurrent Enrollment	10	10	4	3	6	7	1	5	1	9
% First-Time Any College	5%	4%	5%	7%	8%	0%	0%	1%	0%	0%
% First-Time Transfer	4%	4%	3%	5%	8%	5%	2%	2%	2%	2%
% Continuing	83%	84%	84%	80%	79%	89%	93%	92%	96%	93%
% Returning	4%	4%	6%	7%	3%	4%	5%	3%	2%	2%
% Concurrent Enrollment	4%	4%	2%	2%	2%	3%	<1%	3%	<1%	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.

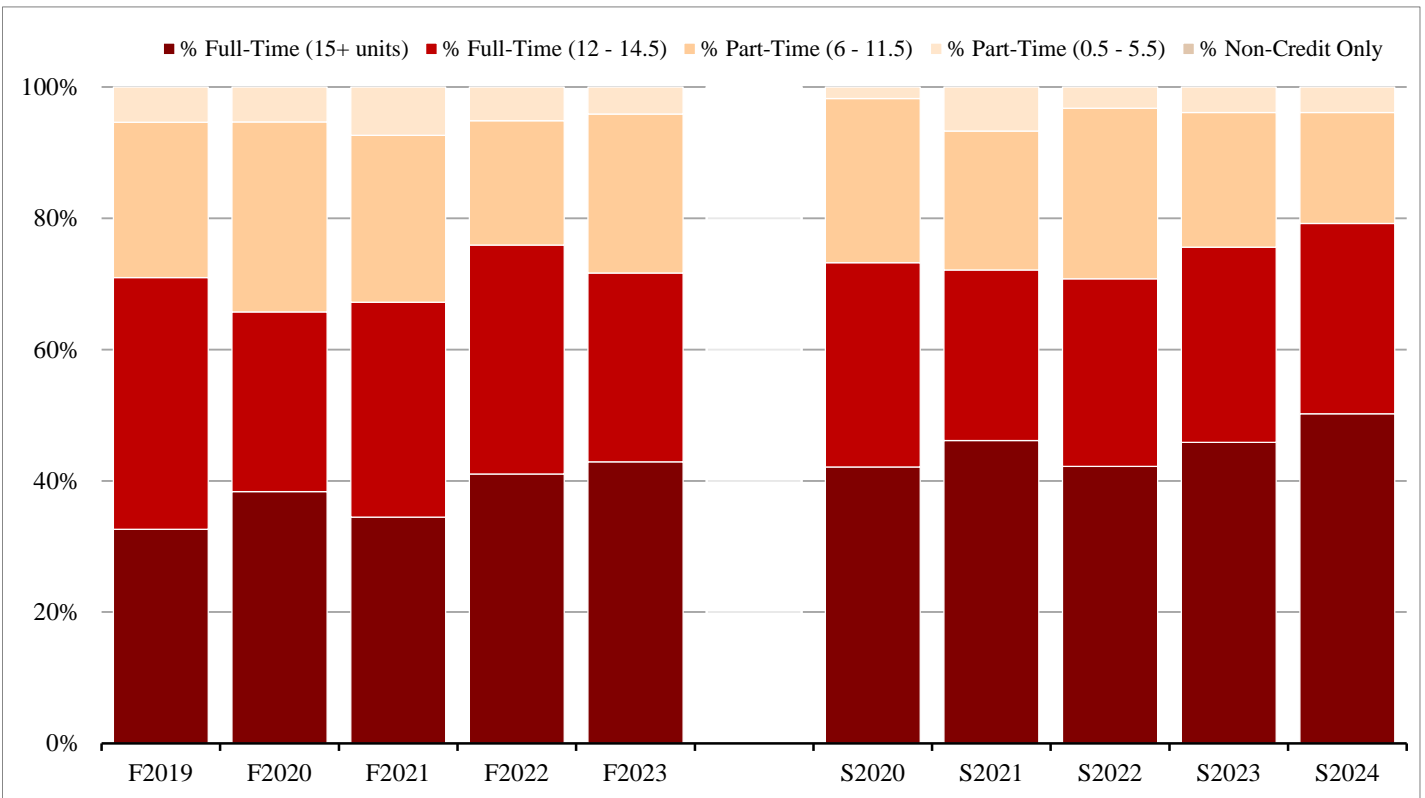
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

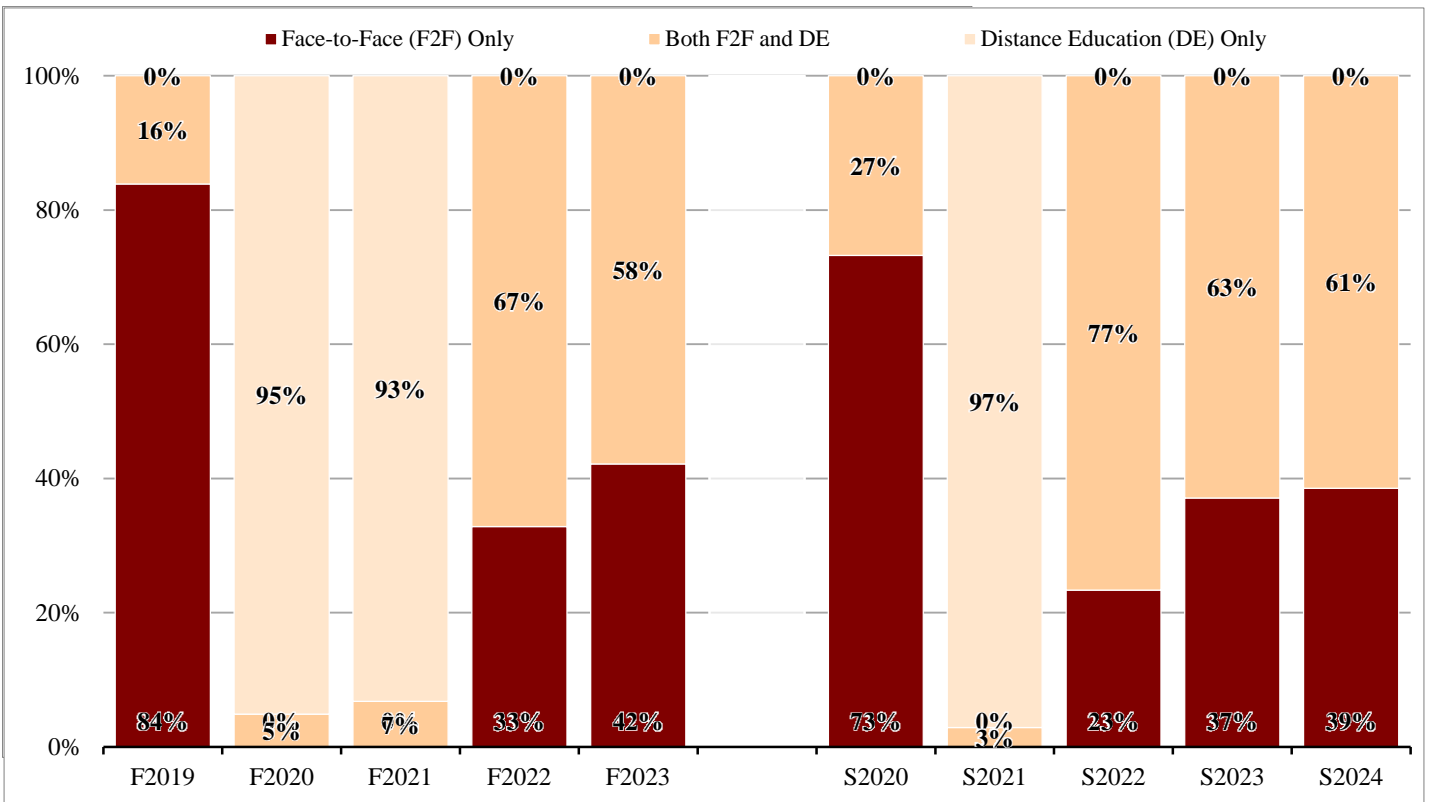
Student Unit Load

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Full-Time (15+ units)	91	94	61	80	115	96	96	65	94	116
Full-Time (12 - 14.5 units)	107	67	58	68	77	71	54	44	61	67
Part-Time (6 - 11.5 units)	66	71	45	37	65	57	44	40	42	39
Part-Time (0.5 - 5.5 units)	15	13	13	10	11	4	14	5	8	9
Non-Credit Only	0	0	0	0	0	0	0	0	0	0
% Full-Time (15+ units)	33%	38%	34%	41%	43%	42%	46%	42%	46%	50%
% Full-Time (12 - 14.5)	38%	27%	33%	35%	29%	31%	26%	29%	30%	29%
% Part-Time (6 - 11.5)	24%	29%	25%	19%	24%	25%	21%	26%	20%	17%
% Part-Time (0.5 - 5.5)	5%	5%	7%	5%	4%	2%	7%	3%	4%	4%
% Non-Credit Only	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



Students Using Distance Education

Physics (PHYS)										
<i>(Categories reflect college-wide coursework)</i>	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Face-to-Face (F2F) Only	234	0	0	64	113	167	0	36	76	89
Both F2F and DE	45	12	12	131	155	61	6	118	129	142
Distance Education (DE) Only	0	233	165	0	0	0	202	0	0	0
% Face-to-Face (F2F) Only	84%	0%	0%	33%	42%	73%	0%	23%	37%	39%
% Both F2F and DE	16%	5%	7%	67%	58%	27%	3%	77%	63%	61%
% Distance Education (DE) Only	0%	95%	93%	0%	0%	0%	97%	0%	0%	0%



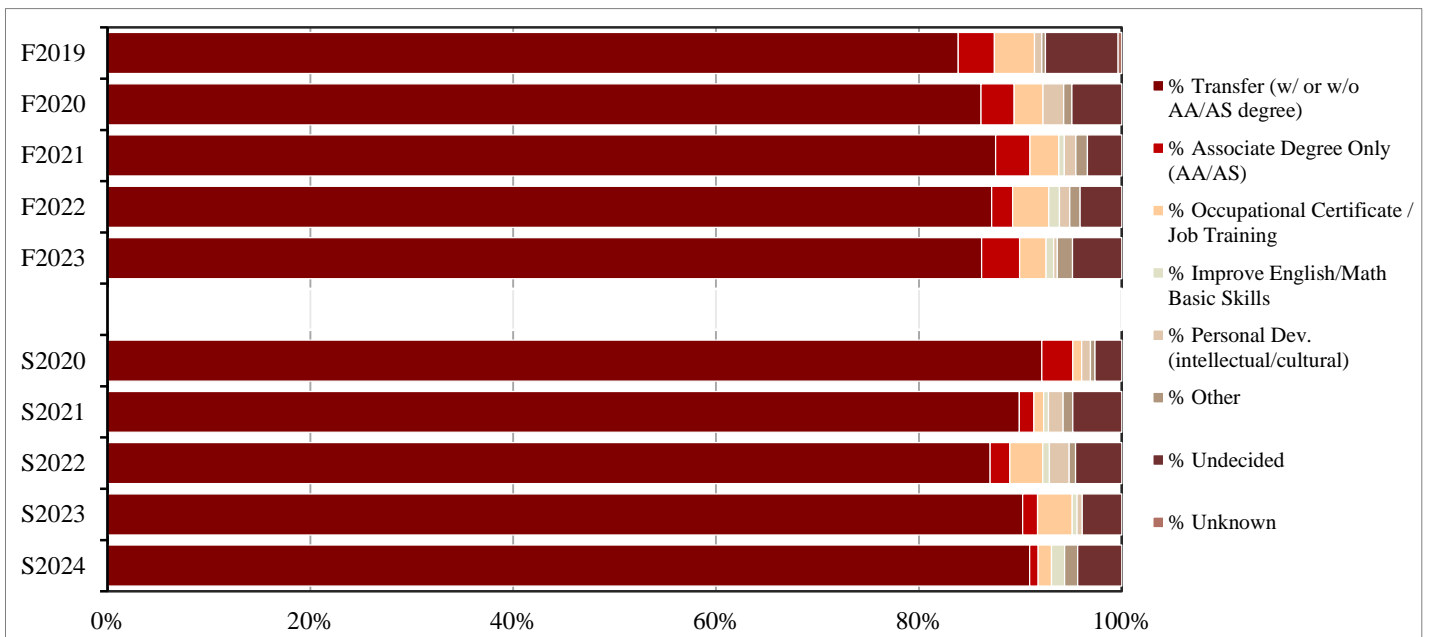
Definitions:

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

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Transfer (w/ or w/o AA/AS degree)	234	211	155	170	231	210	187	134	185	210
Associate Degree Only (AA/AS)	10	8	6	4	10	7	3	3	3	2
Occupational Certificate / Job Training	11	7	5	7	7	2	2	5	7	3
Improve English/Math Basic Skills	0	0	1	2	2	0	1	1	1	3
Personal Development (intellectual/cultural)	2	5	2	2	1	2	3	3	1	0
Other	1	2	2	2	4	1	2	1	0	3
Undecided	20	12	6	8	13	6	10	7	8	10
Unknown	1	0	0	0	0	0	0	0	0	0
% Transfer (w/ or w/o AA/AS degree)	84%	86%	88%	87%	86%	92%	90%	87%	90%	91%
% Associate Degree Only (AA/AS)	4%	3%	3%	2%	4%	3%	1%	2%	1%	1%
% Occupational Certificate / Job Training	4%	3%	3%	4%	3%	1%	1%	3%	3%	1%
% Improve English/Math Basic Skills	0%	0%	1%	1%	1%	0%	<1%	1%	<1%	1%
% Personal Dev. (intellectual/cultural)	1%	2%	1%	1%	<1%	1%	1%	2%	<1%	0%
% Other	<1%	1%	1%	1%	1%	<1%	1%	1%	0%	1%
% Undecided	7%	5%	3%	4%	5%	3%	5%	5%	4%	4%
% Unknown	<1%	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.

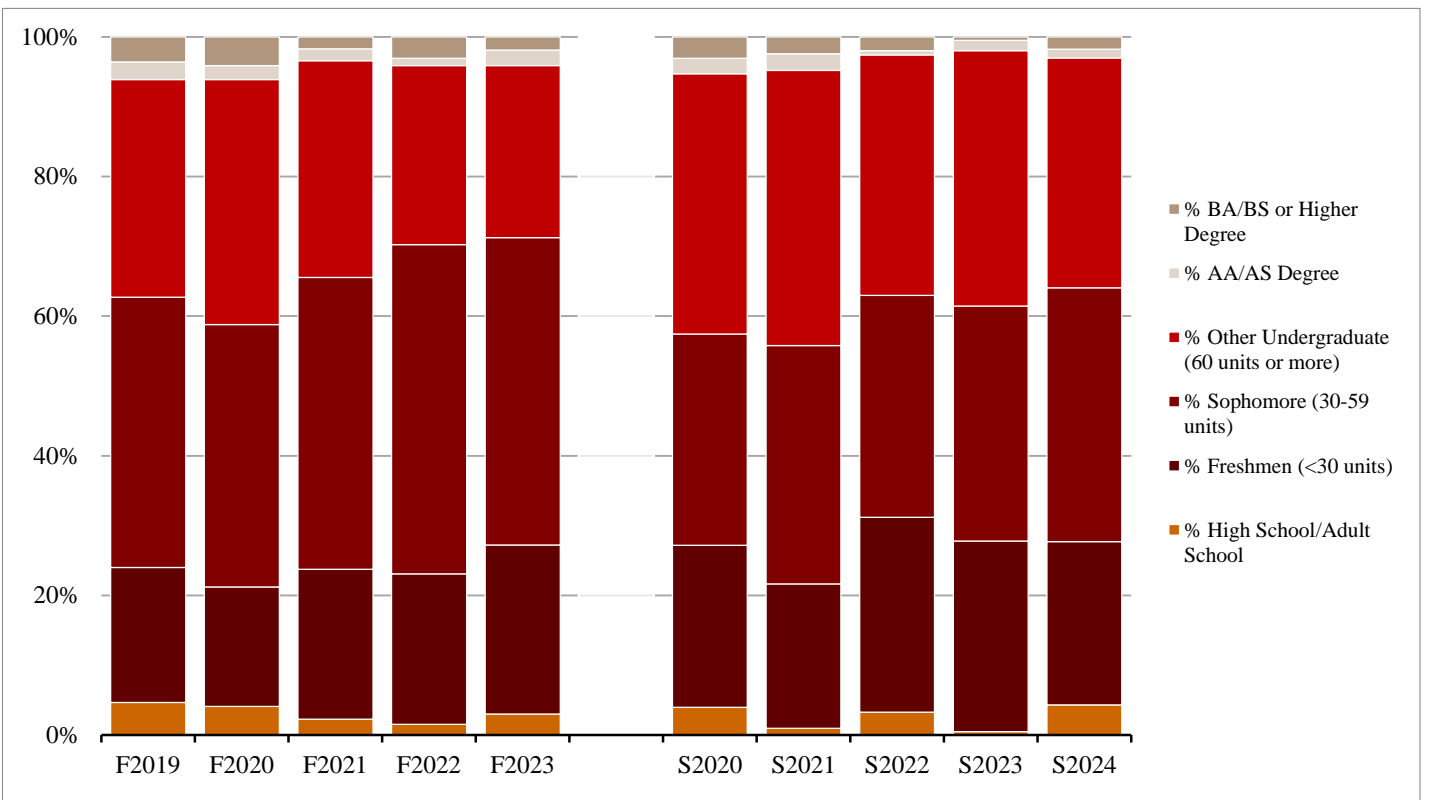
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

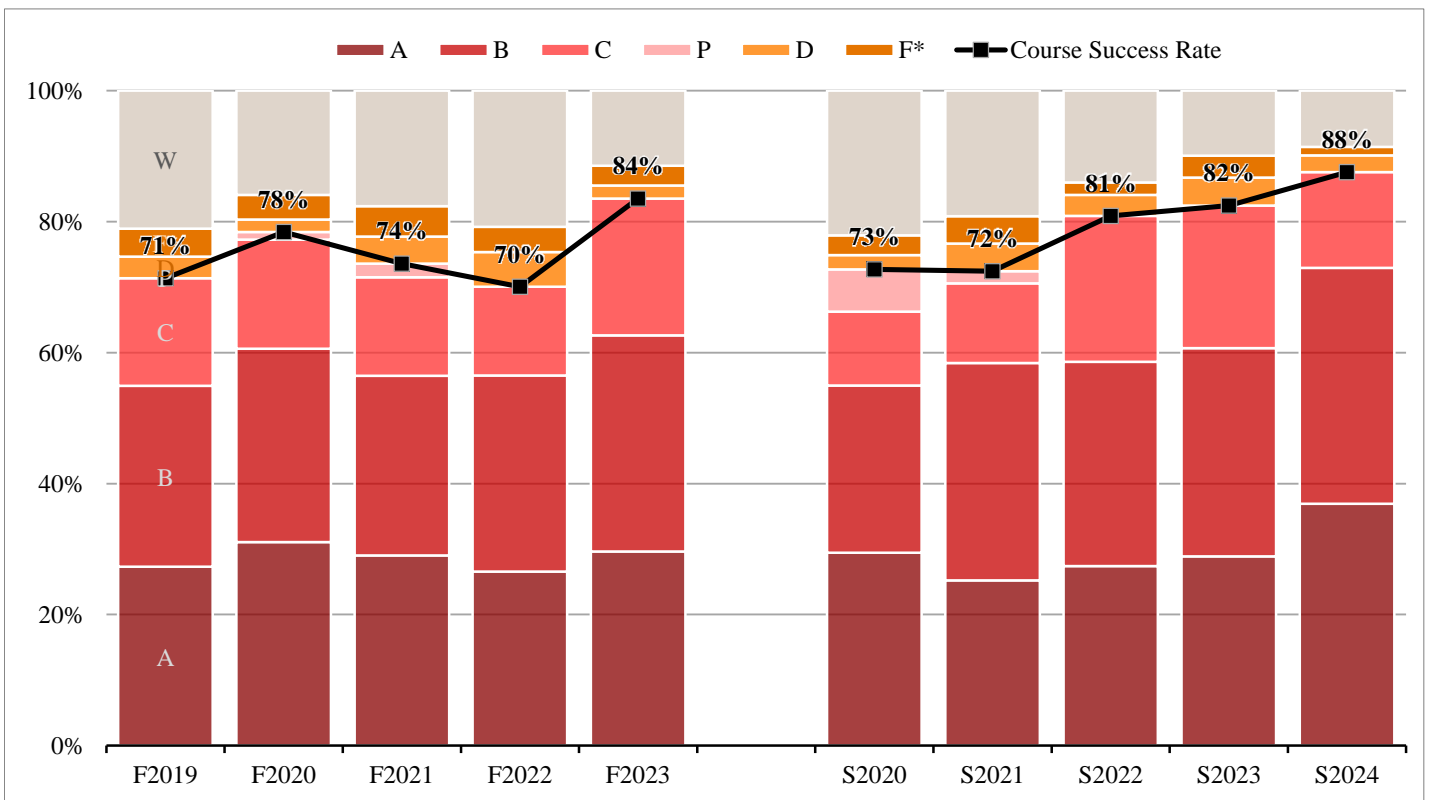
Highest Educational Level of Students

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
High School/Adult School	13	10	4	3	8	9	2	5	1	10
Freshmen (<30 units)	54	42	38	42	65	53	43	43	56	54
Sophomore (30-59 units)	108	92	74	92	118	69	71	49	69	84
Other Undergraduate (60 units or more)	87	86	55	50	66	85	82	53	75	76
AA/AS Degree	7	5	3	2	6	5	5	1	3	3
BA/BS or Higher Degree	10	10	3	6	5	7	5	3	1	4
% High School/Adult School	5%	4%	2%	2%	3%	4%	1%	3%	<1%	4%
% Freshmen (<30 units)	19%	17%	21%	22%	24%	23%	21%	28%	27%	23%
% Sophomore (30-59 units)	39%	38%	42%	47%	44%	30%	34%	32%	34%	36%
% Other Undergraduate (60 units or more)	31%	35%	31%	26%	25%	37%	39%	34%	37%	33%
% AA/AS Degree	3%	2%	2%	1%	2%	2%	2%	1%	1%	1%
% BA/BS or Higher Degree	4%	4%	2%	3%	2%	3%	2%	2%	<1%	2%



Student Performance: Grade Distribution

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Total Course Enrollments	304	264	193	207	297	231	214	157	212	233
Course Success Rates	71%	78%	74%	70%	84%	73%	72%	81%	82%	88%
A	27%	31%	29%	27%	30%	29%	25%	27%	29%	37%
B	28%	30%	27%	30%	33%	26%	33%	31%	32%	36%
C	16%	17%	15%	14%	21%	11%	12%	22%	22%	15%
P	0%	1%	2%	0%	0%	6%	2%	0%	0%	0%
Course Non-Success Rate	8%	6%	9%	9%	5%	5%	8%	5%	8%	4%
D	3%	2%	4%	5%	2%	2%	4%	3%	4%	3%
F*	4%	4%	5%	4%	3%	3%	4%	2%	3%	1%
Withdrawals (See Note)	21%	16%	18%	21%	11%	22%	19%	14%	10%	9%



Definitions:

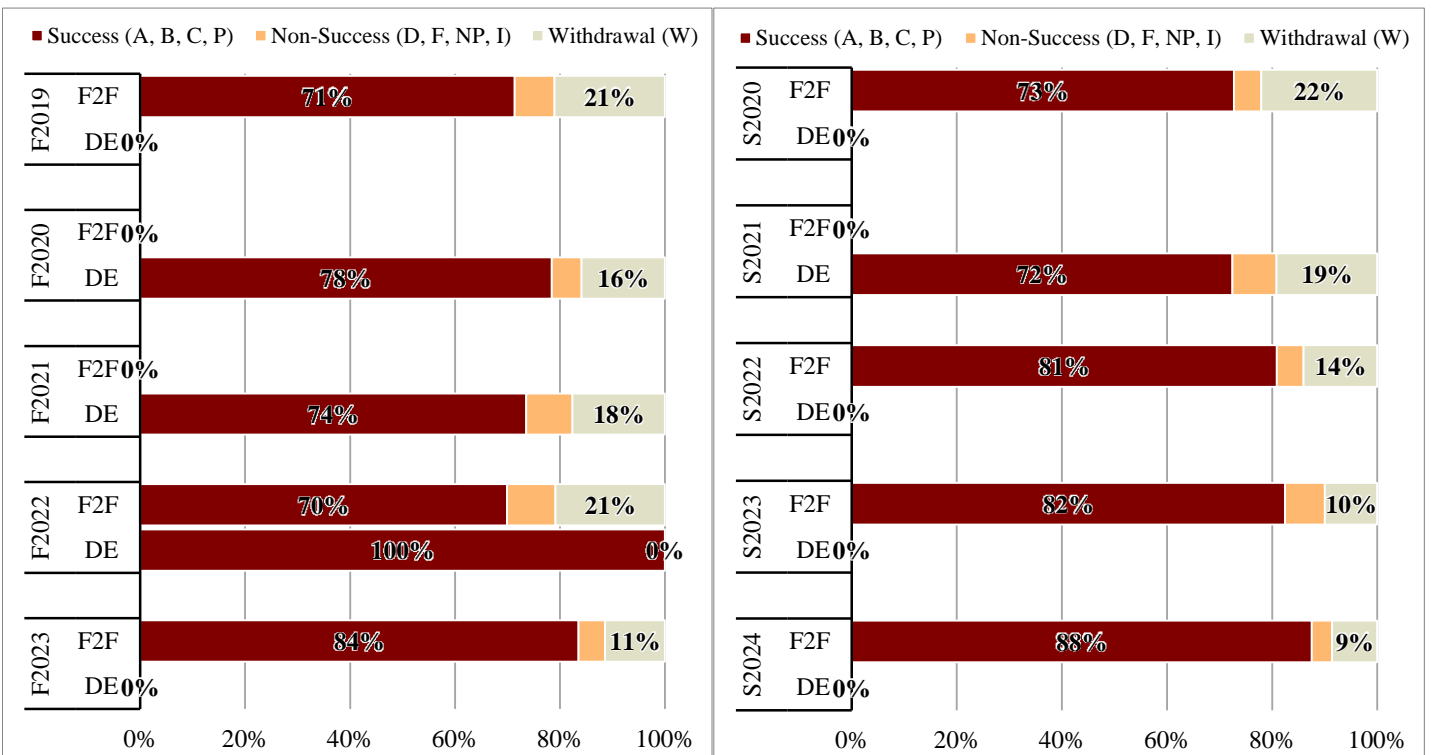
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D' or F* (includes: 'F', 'NP', '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

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Total Course Enrollments	304	264	193	207	297	231	214	157	212	233
Face-to-Face (F2F) Sections	304	0	0	207	297	231	0	157	212	233
Success Rates	71%	—	—	70%	84%	73%	—	81%	82%	88%
Non-Success Rates	8%	—	—	9%	5%	5%	—	5%	8%	4%
Withdrawals	21%	—	—	21%	11%	22%	—	14%	10%	9%
Distance Education (DE) Sections	0	264	193	0	0	0	214	0	0	0
Success Rates	—	78%	74%	100%	—	—	72%	—	—	—
Non-Success Rates	—	6%	9%	0%	—	—	8%	—	—	—
Withdrawals	—	16%	18%	0%	—	—	19%	—	—	—



Definitions:

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

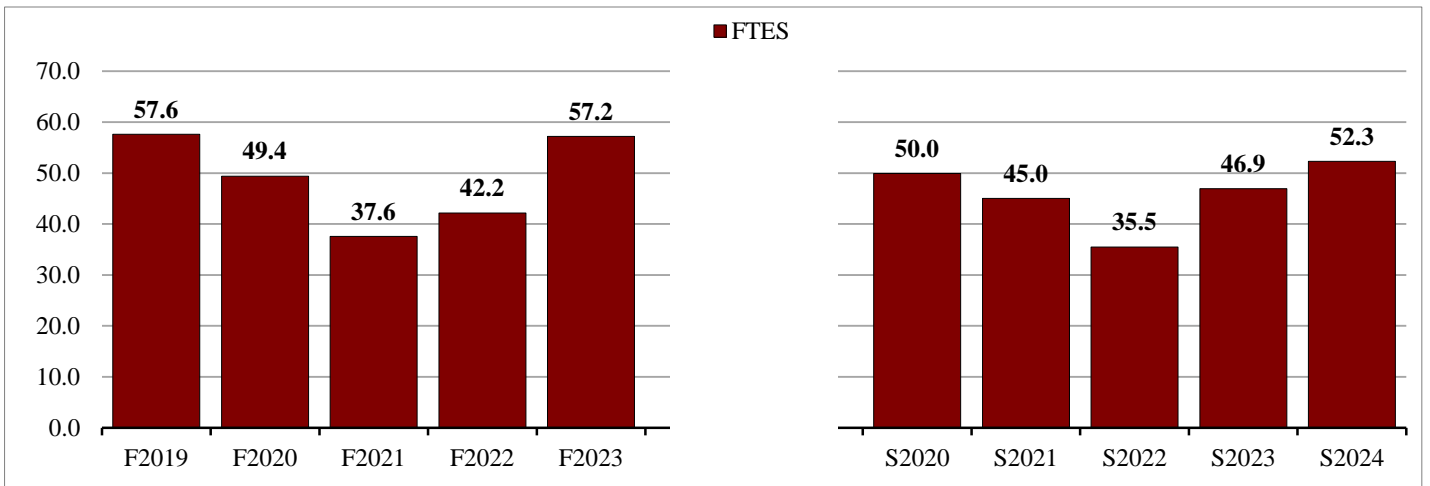
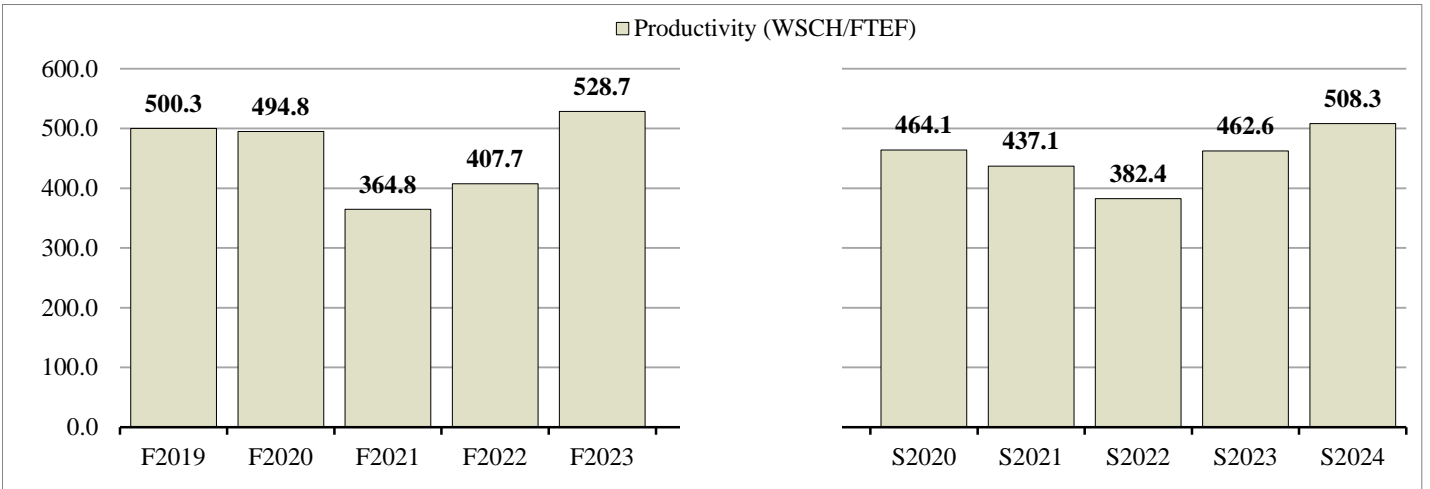
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

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

Enrollment Management: Part 1

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
WSCH	1,806	1,568	1,156	1,292	1,768	1,577	1,439	1,080	1,449	1,592
FTES	57.6	49.4	37.6	42.2	57.2	50.0	45.0	35.5	46.9	52.3
FTEF	3.6	3.2	3.2	3.2	3.3	3.4	3.3	2.8	3.1	3.1
Productivity (WSCH/FTEF)	500.3	494.8	364.8	407.7	528.7	464.1	437.1	382.4	462.6	508.3



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.

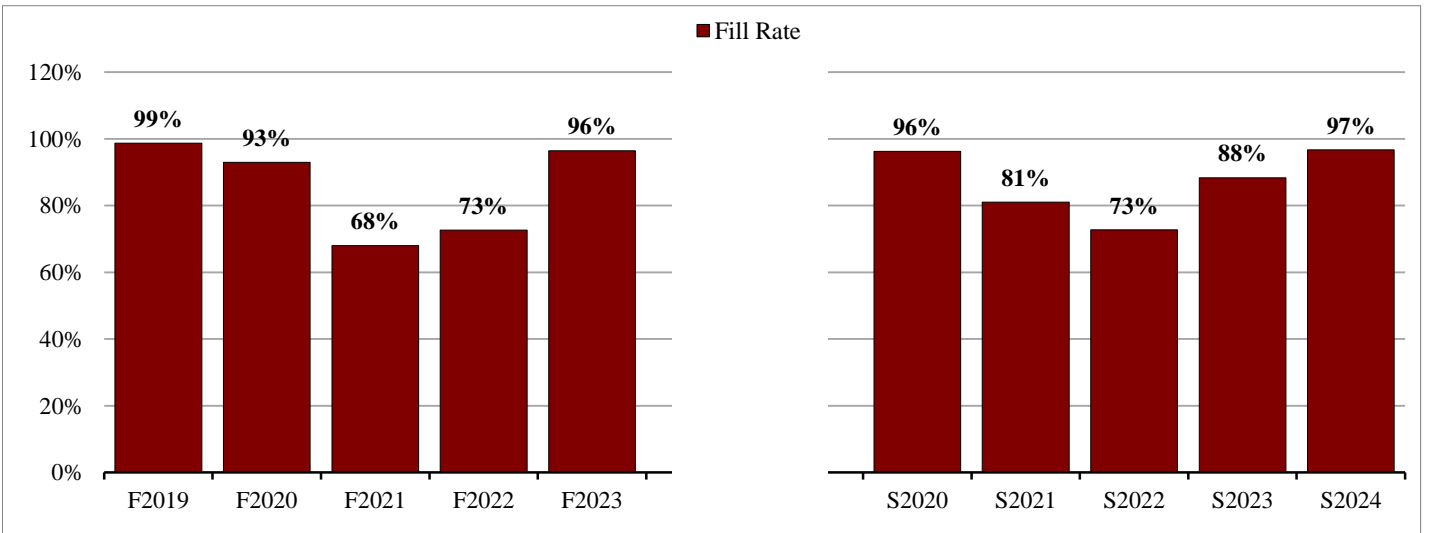
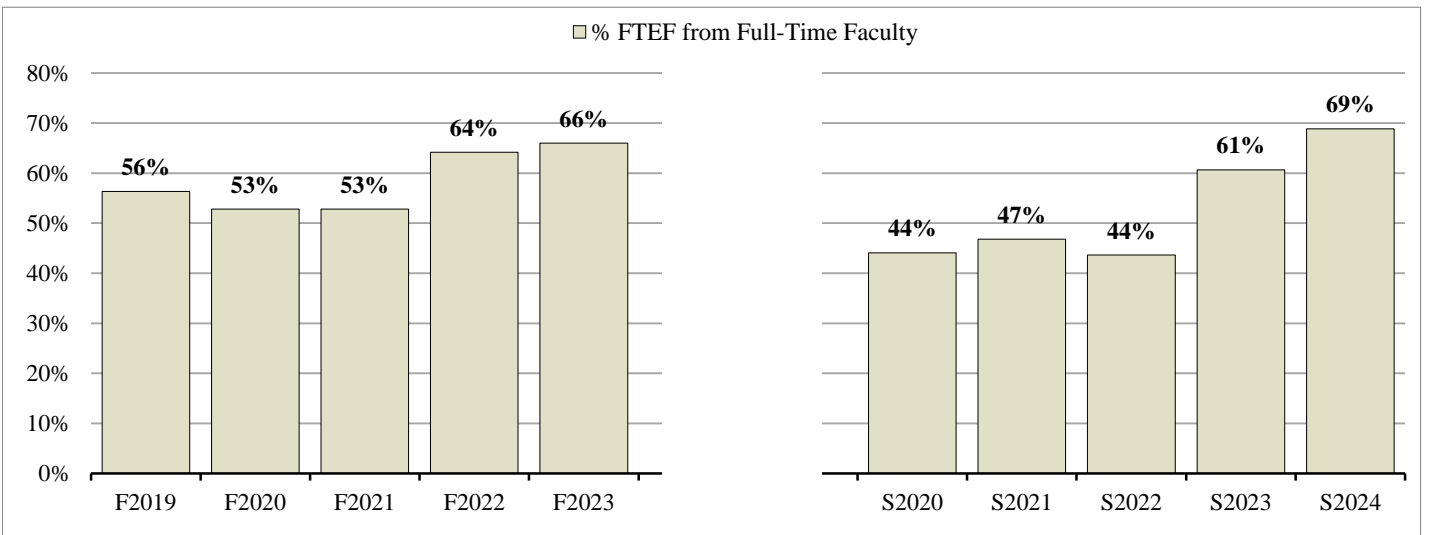
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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 7/25/23.

Enrollment Management: Part 2

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
FTEF from Full-Time Faculty	2.0	1.7	1.7	2.0	2.2	1.5	1.5	1.2	1.9	2.2
% FTEF from Full-Time Faculty	56%	53%	53%	64%	66%	44%	47%	44%	61%	69%
Enrollments	304	264	193	207	297	231	214	157	212	233
Capacity (seats available)	308	284	284	285	308	240	264	216	240	241
Fill Rate	99%	93%	68%	73%	96%	96%	81%	73%	88%	97%



Definitions:

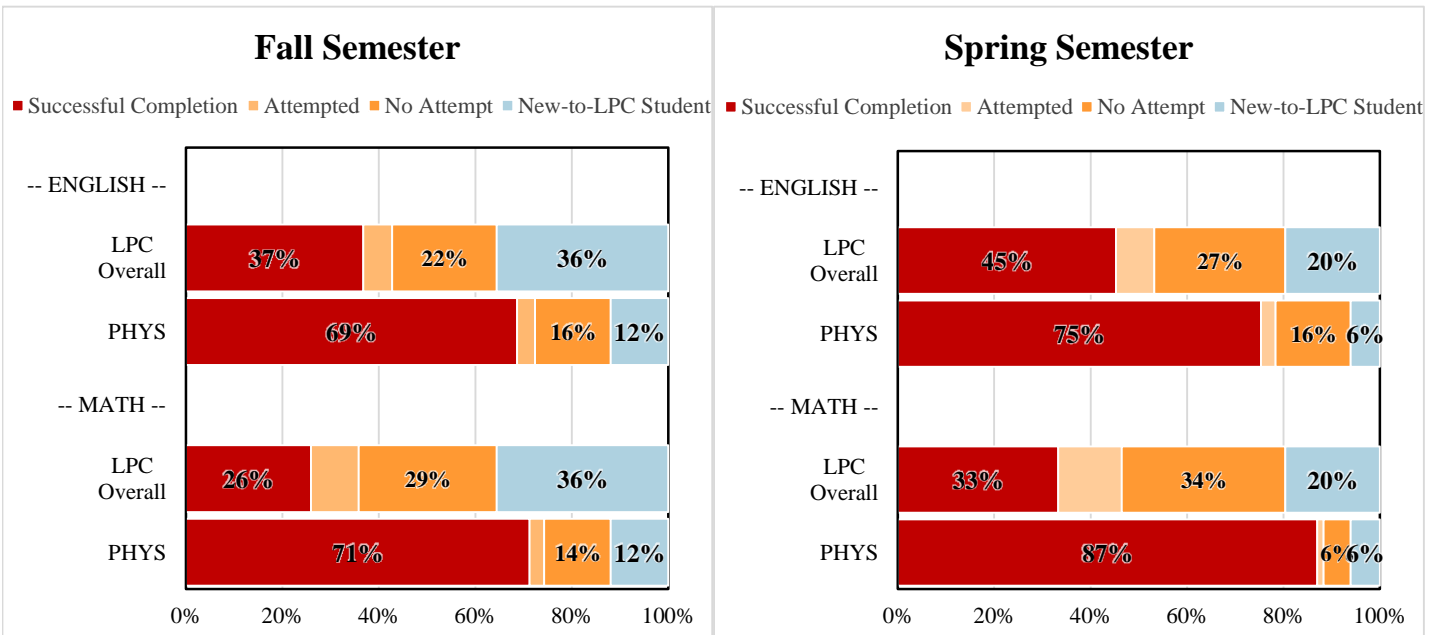
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 2023				Spring 2024			
	PHYS		LPC Overall		PHYS		LPC Overall	
	Num	Pct	Num	Pct	Num	Pct	Num	Pct
Transfer-level English								
Successful Completion*	184	69%	2,796	37%	174	75%	3,393	45%
Attempted (not successful)	10	4%	454	6%	7	3%	600	8%
No Attempt	42	16%	1,652	22%	36	16%	2,036	27%
New-to-LPC Student	32	12%	2,703	36%	14	6%	1,472	20%
Transfer-level Math								
Successful Completion*	191	71%	1,971	26%	201	87%	2,498	33%
Attempted (not successful)	8	3%	752	10%	3	1%	986	13%
No Attempt	37	14%	2,179	29%	13	6%	2,545	34%
New-to-LPC Student	32	12%	2,703	36%	14	6%	1,472	20%



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 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** = students with no for credit enrollments within our district prior to the current term.