



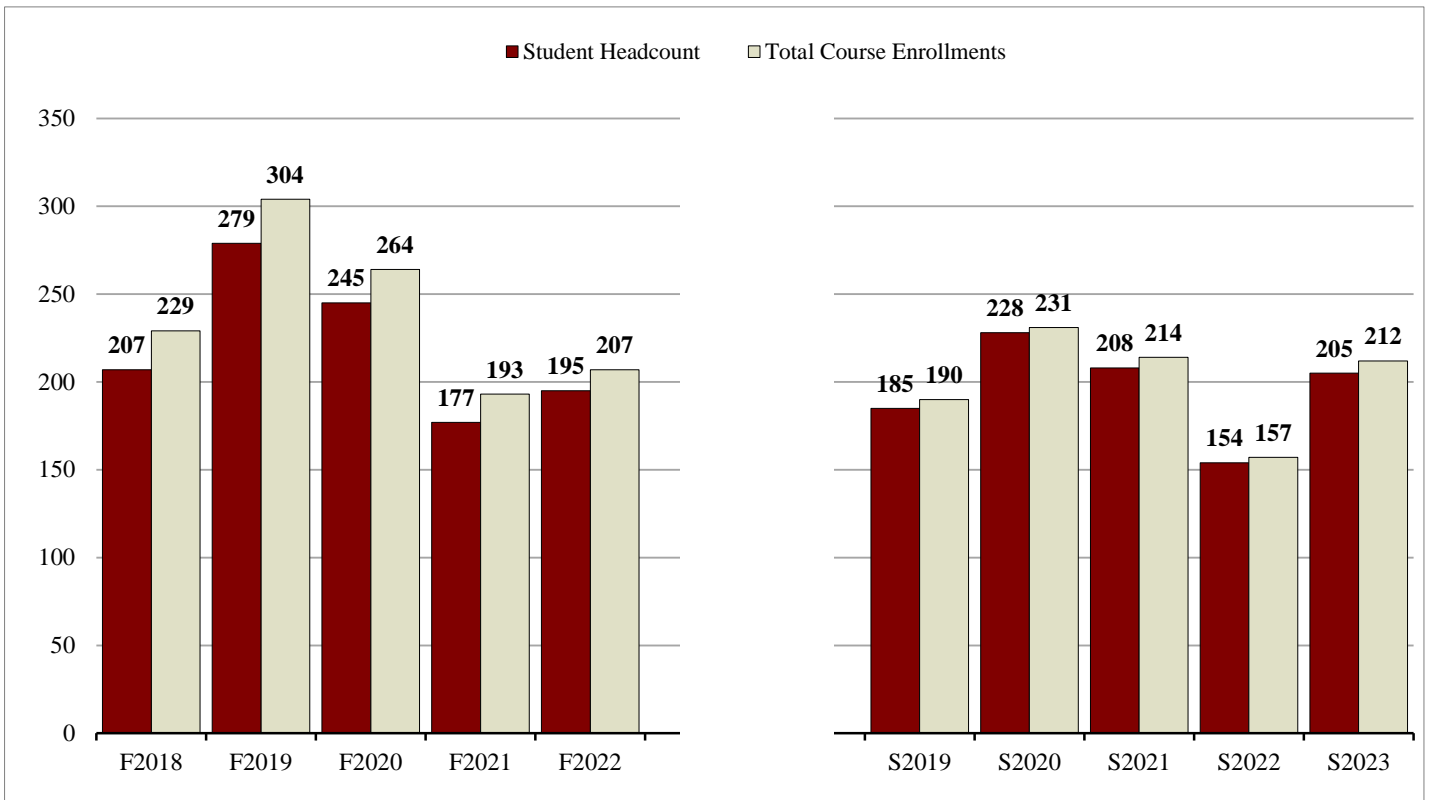
Las Positas College
Discipline Program Review Data Packet
Fall 2018 to Spring 2023

Discipline:
Physics (PHYS)

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Headcount & Enrollment

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Student Headcount	207	279	245	177	195	185	228	208	154	205
Total Course Enrollments	229	304	264	193	207	190	231	214	157	212



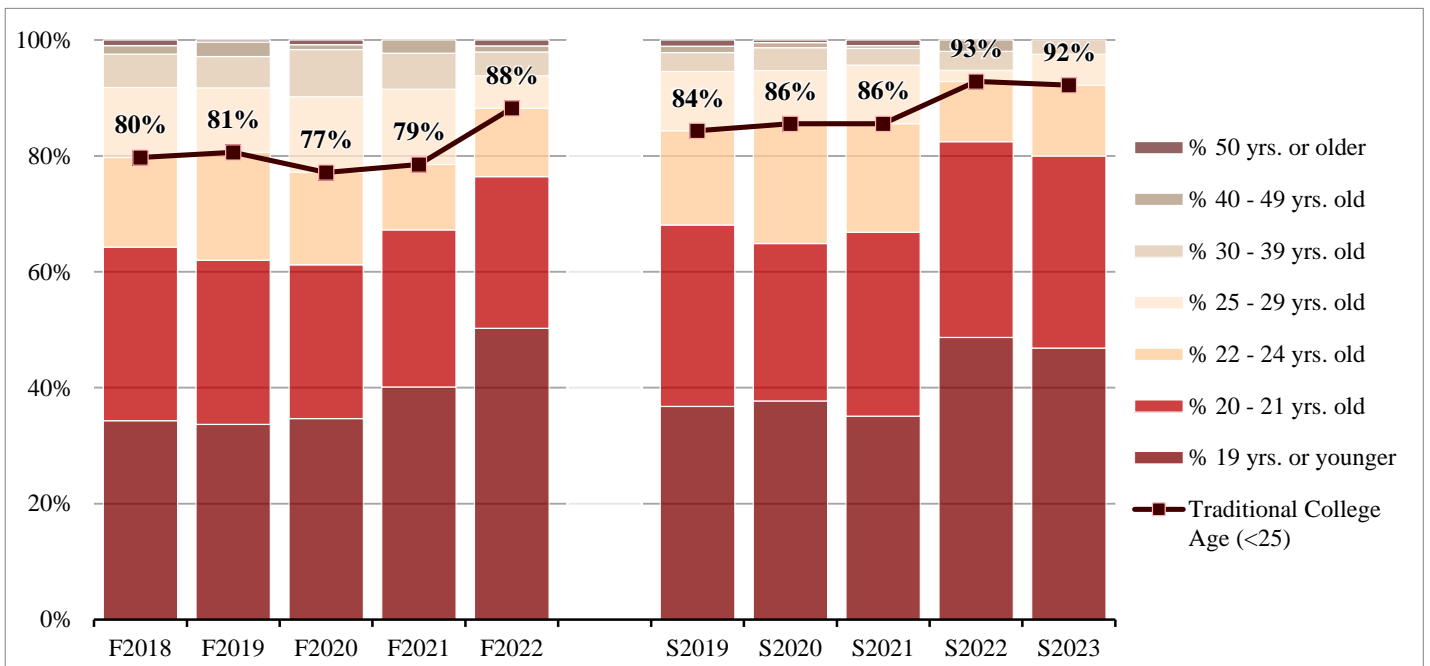
Definitions:

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.

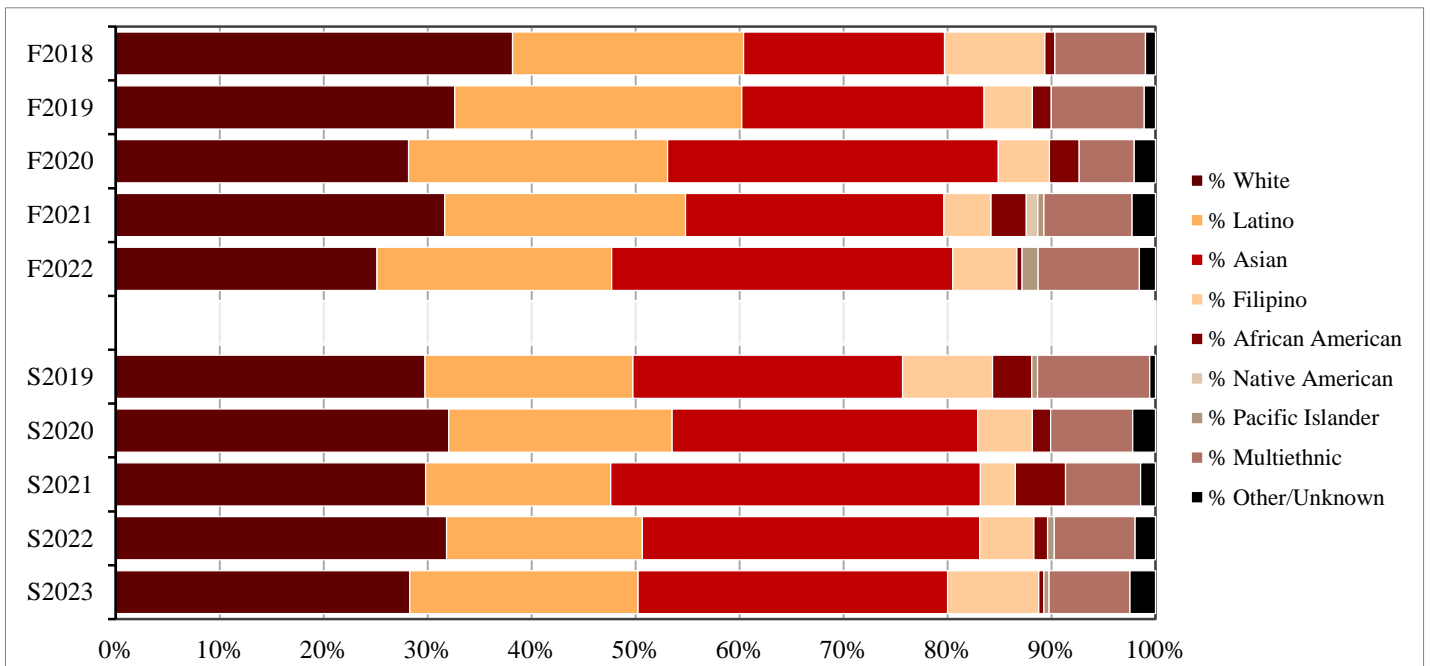
Student Demographics: Gender & Age

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Female	60	92	84	49	68	43	59	58	50	48
Male	142	184	156	122	123	139	164	144	102	153
19 yrs. or younger	71	94	85	71	98	68	86	73	75	96
20-21 yrs. old	62	79	65	48	51	58	62	66	52	68
22-24 yrs. old	32	52	39	20	23	30	47	39	16	25
25-29 yrs. old	25	31	32	23	11	19	21	21	3	11
30-39 yrs. old	12	15	20	11	8	6	9	6	5	5
40-49 yrs. old	3	7	2	4	2	2	2	1	3	0
50 yrs. or older	2	1	2	0	2	2	1	2	0	0
% Female	30%	33%	35%	29%	36%	24%	26%	29%	33%	24%
% Male	70%	67%	65%	71%	64%	76%	74%	71%	67%	76%
% 19 yrs. or younger	34%	34%	35%	40%	50%	37%	38%	35%	49%	47%
% 20 - 21 yrs. old	30%	28%	27%	27%	26%	31%	27%	32%	34%	33%
% 22 - 24 yrs. old	15%	19%	16%	11%	12%	16%	21%	19%	10%	12%
% 25 - 29 yrs. old	12%	11%	13%	13%	6%	10%	9%	10%	2%	5%
% 30 - 39 yrs. old	6%	5%	8%	6%	4%	3%	4%	3%	3%	2%
% 40 - 49 yrs. old	1%	3%	1%	2%	1%	1%	1%	<1%	2%	0%
% 50 yrs. or older	1%	<1%	1%	0%	1%	1%	<1%	1%	0%	0%



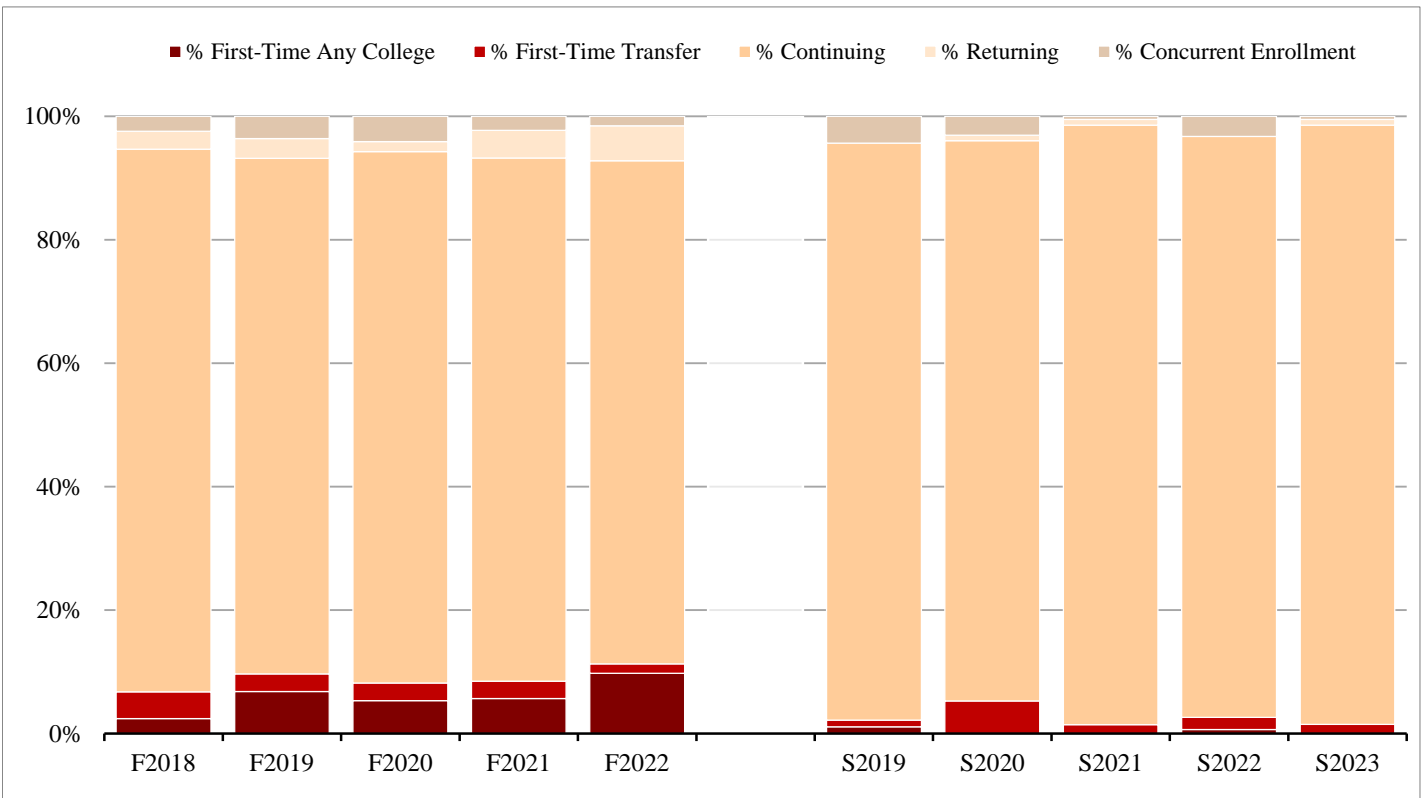
Student Demographic: Race-Ethnicity

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
African American	2	5	7	6	1	7	4	10	2	1
Asian	40	65	78	44	64	48	67	74	50	61
Filipino	20	13	12	8	12	16	12	7	8	18
Latino	46	77	61	41	44	37	49	37	29	45
Native American	0	0	0	2	0	0	0	0	0	0
Pacific Islander	0	0	0	1	3	1	0	0	1	1
White	79	91	69	56	49	55	73	62	49	58
Multiethnic	18	25	13	15	19	20	18	15	12	16
Other/Unknown	2	3	5	4	3	1	5	3	3	5
% African American	1%	2%	3%	3%	1%	4%	2%	5%	1%	<1%
% Asian	19%	23%	32%	25%	33%	26%	29%	36%	32%	30%
% Filipino	10%	5%	5%	5%	6%	9%	5%	3%	5%	9%
% Latino	22%	28%	25%	23%	23%	20%	21%	18%	19%	22%
% Native American	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
% Pacific Islander	0%	0%	0%	1%	2%	1%	0%	0%	1%	<1%
% White	38%	33%	28%	32%	25%	30%	32%	30%	32%	28%
% Multiethnic	9%	9%	5%	8%	10%	11%	8%	7%	8%	8%
% Other/Unknown	1%	1%	2%	2%	2%	1%	2%	1%	2%	2%



Student Enrollment Status

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
First-Time Any College	5	19	13	10	19	2	0	0	1	0
First-Time Transfer	9	8	7	5	3	2	12	3	3	3
Continuing	182	233	211	150	159	173	207	202	145	199
Returning	6	9	4	8	11	0	2	2	0	2
Concurrent Enrollment	5	10	10	4	3	8	7	1	5	1
% First-Time Any College	2%	7%	5%	6%	10%	1%	0%	0%	1%	0%
% First-Time Transfer	4%	3%	3%	3%	2%	1%	5%	1%	2%	1%
% Continuing	88%	84%	86%	85%	82%	94%	91%	97%	94%	97%
% Returning	3%	3%	2%	5%	6%	0%	1%	1%	0%	1%
% Concurrent Enrollment	2%	4%	4%	2%	2%	4%	3%	<1%	3%	<1%



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.

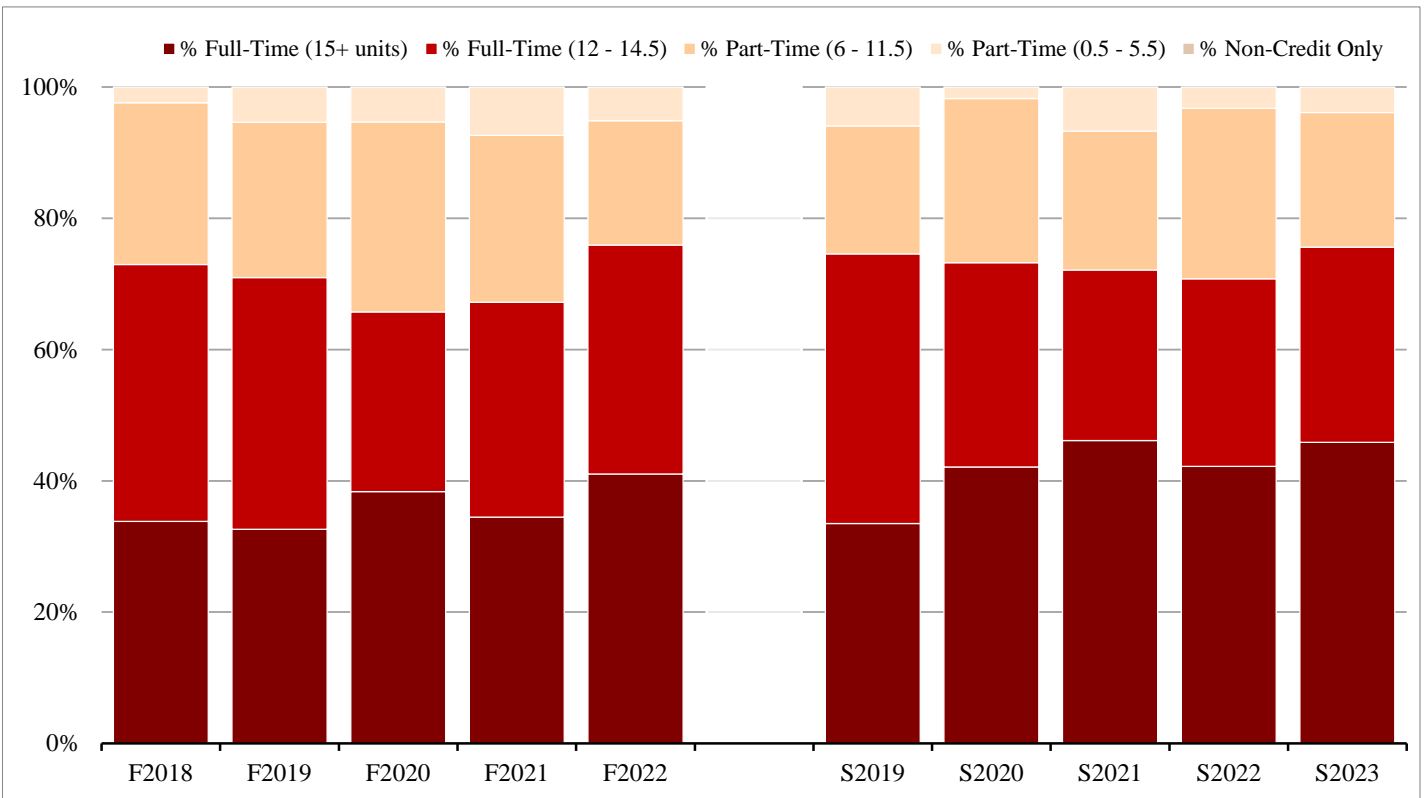
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

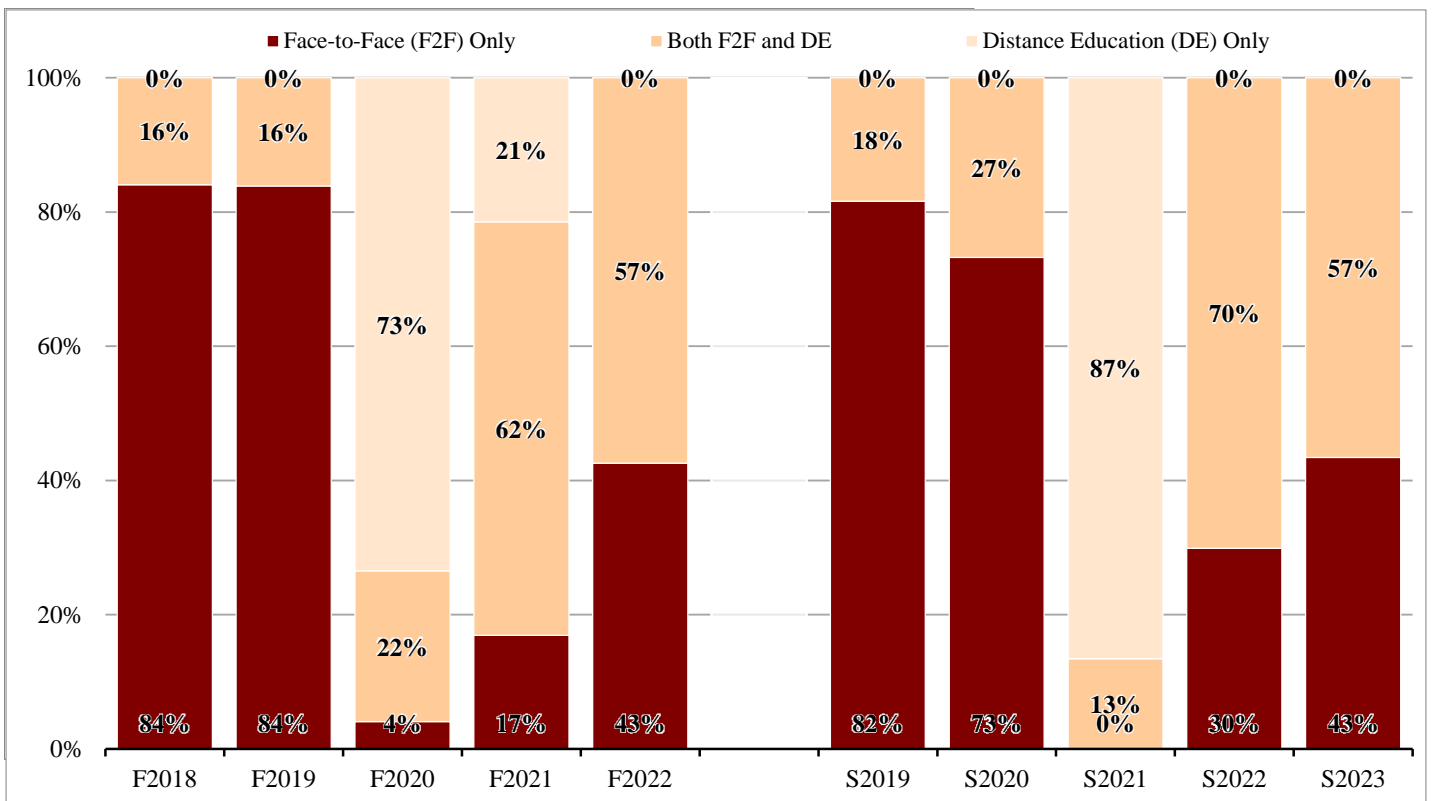
Student Unit Load

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Full-Time (15+ units)	70	91	94	61	80	62	96	96	65	94
Full-Time (12 - 14.5 units)	81	107	67	58	68	76	71	54	44	61
Part-Time (6 - 11.5 units)	51	66	71	45	37	36	57	44	40	42
Part-Time (0.5 - 5.5 units)	5	15	13	13	10	11	4	14	5	8
Non-Credit Only	0	0	0	0	0	0	0	0	0	0
% Full-Time (15+ units)	34%	33%	38%	34%	41%	34%	42%	46%	42%	46%
% Full-Time (12 - 14.5)	39%	38%	27%	33%	35%	41%	31%	26%	29%	30%
% Part-Time (6 - 11.5)	25%	24%	29%	25%	19%	19%	25%	21%	26%	20%
% Part-Time (0.5 - 5.5)	2%	5%	5%	7%	5%	6%	2%	7%	3%	4%
% Non-Credit Only	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



Students Using Distance Education

Physics (PHYS)										
(Categories reflect college-wide coursework)	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Face-to-Face (F2F) Only	174	234	10	30	83	151	167	0	46	89
Both F2F and DE	33	45	55	109	112	34	61	28	108	116
Distance Education (DE) Only	0	0	180	38	0	0	0	180	0	0
% Face-to-Face (F2F) Only	84%	84%	4%	17%	43%	82%	73%	0%	30%	43%
% Both F2F and DE	16%	16%	22%	62%	57%	18%	27%	13%	70%	57%
% Distance Education (DE) Only	0%	0%	73%	21%	0%	0%	0%	87%	0%	0%

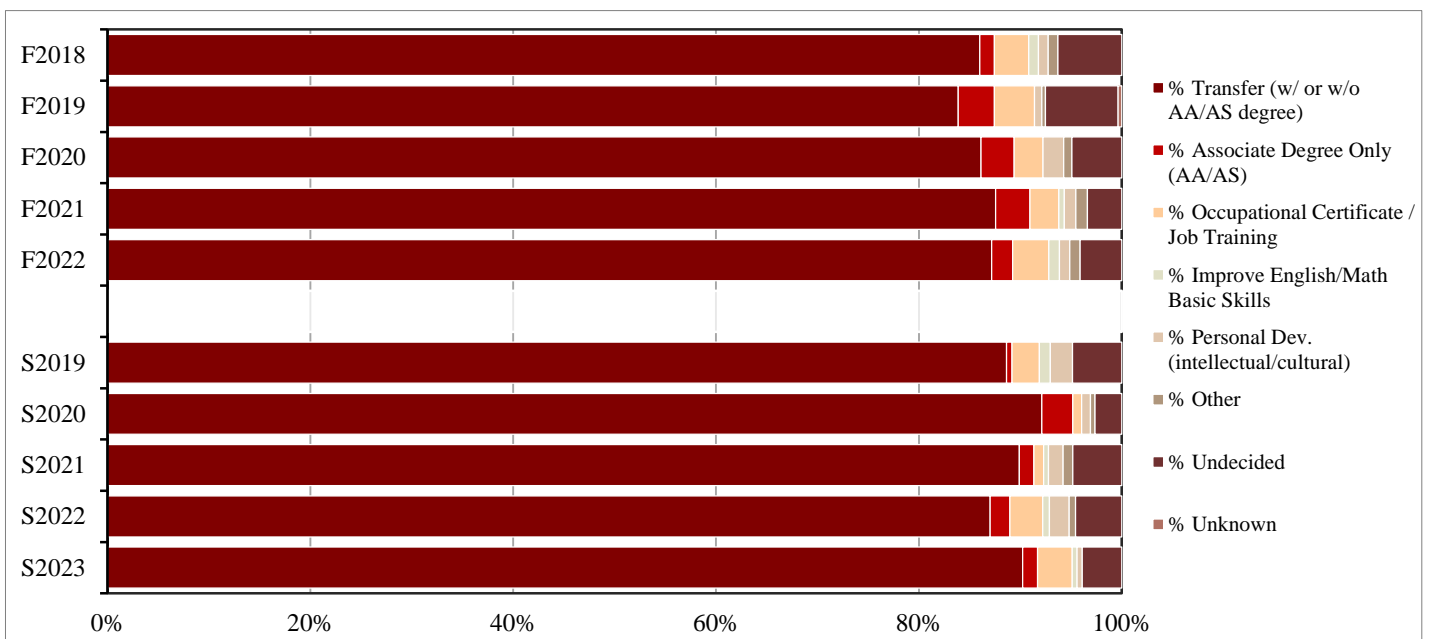


Definitions:

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

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Transfer (w/ or w/o AA/AS degree)	178	234	211	155	170	164	210	187	134	185
Associate Degree Only (AA/AS)	3	10	8	6	4	1	7	3	3	3
Occupational Certificate / Job Training	7	11	7	5	7	5	2	2	5	7
Improve English/Math Basic Skills	2	0	0	1	2	2	0	1	1	1
Personal Development (intellectual/cultural)	2	2	5	2	2	4	2	3	3	1
Other	2	1	2	2	2	0	1	2	1	0
Undecided	13	20	12	6	8	9	6	10	7	8
Unknown	0	1	0	0	0	0	0	0	0	0
% Transfer (w/ or w/o AA/AS degree)	86%	84%	86%	88%	87%	89%	92%	90%	87%	90%
% Associate Degree Only (AA/AS)	1%	4%	3%	3%	2%	1%	3%	1%	2%	1%
% Occupational Certificate / Job Training	3%	4%	3%	3%	4%	3%	1%	1%	3%	3%
% Improve English/Math Basic Skills	1%	0%	0%	1%	1%	1%	0%	<1%	1%	<1%
% Personal Dev. (intellectual/cultural)	1%	1%	2%	1%	1%	2%	1%	1%	2%	<1%
% Other	1%	<1%	1%	1%	1%	0%	<1%	1%	1%	0%
% Undecided	6%	7%	5%	3%	4%	5%	3%	5%	5%	4%
% Unknown	0%	<1%	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.

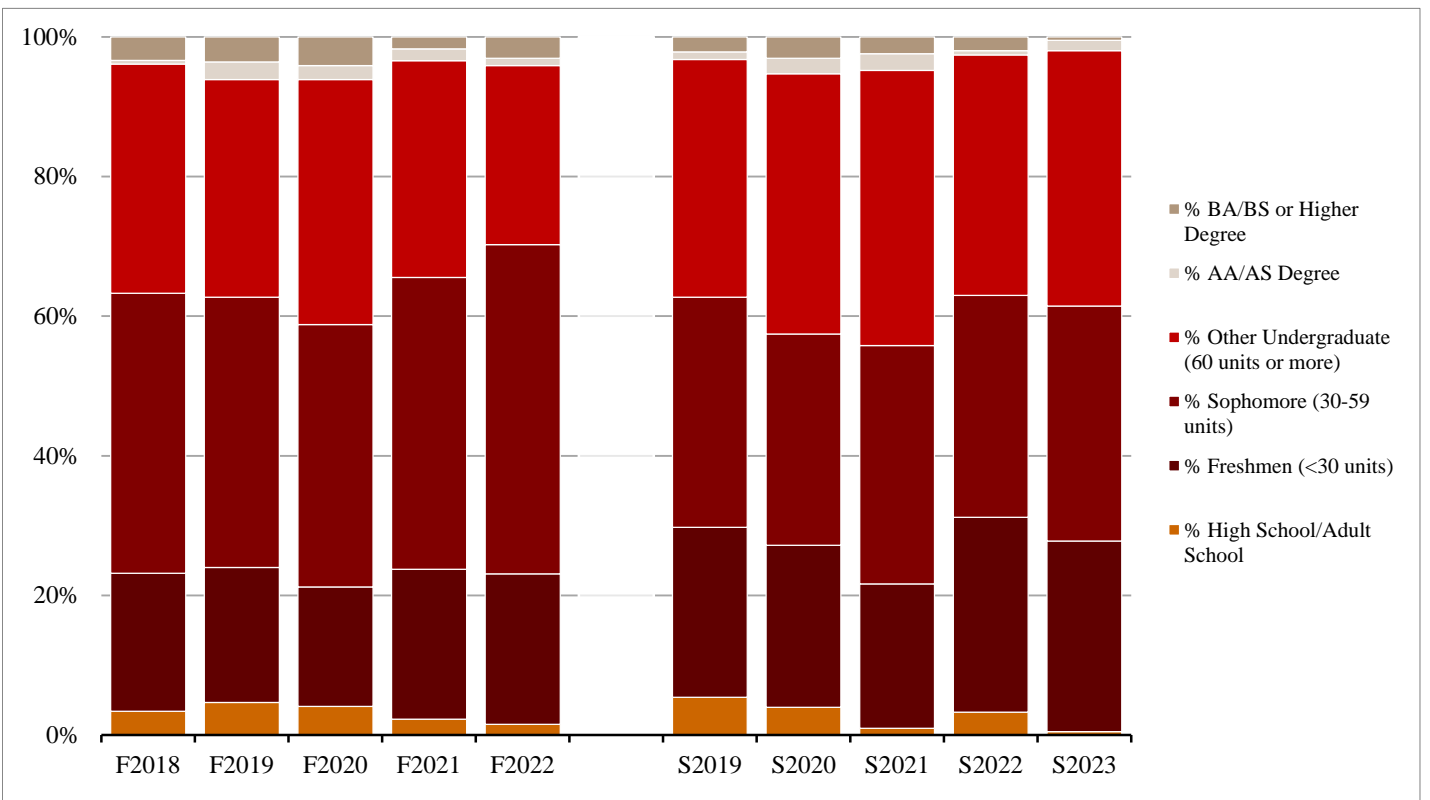
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

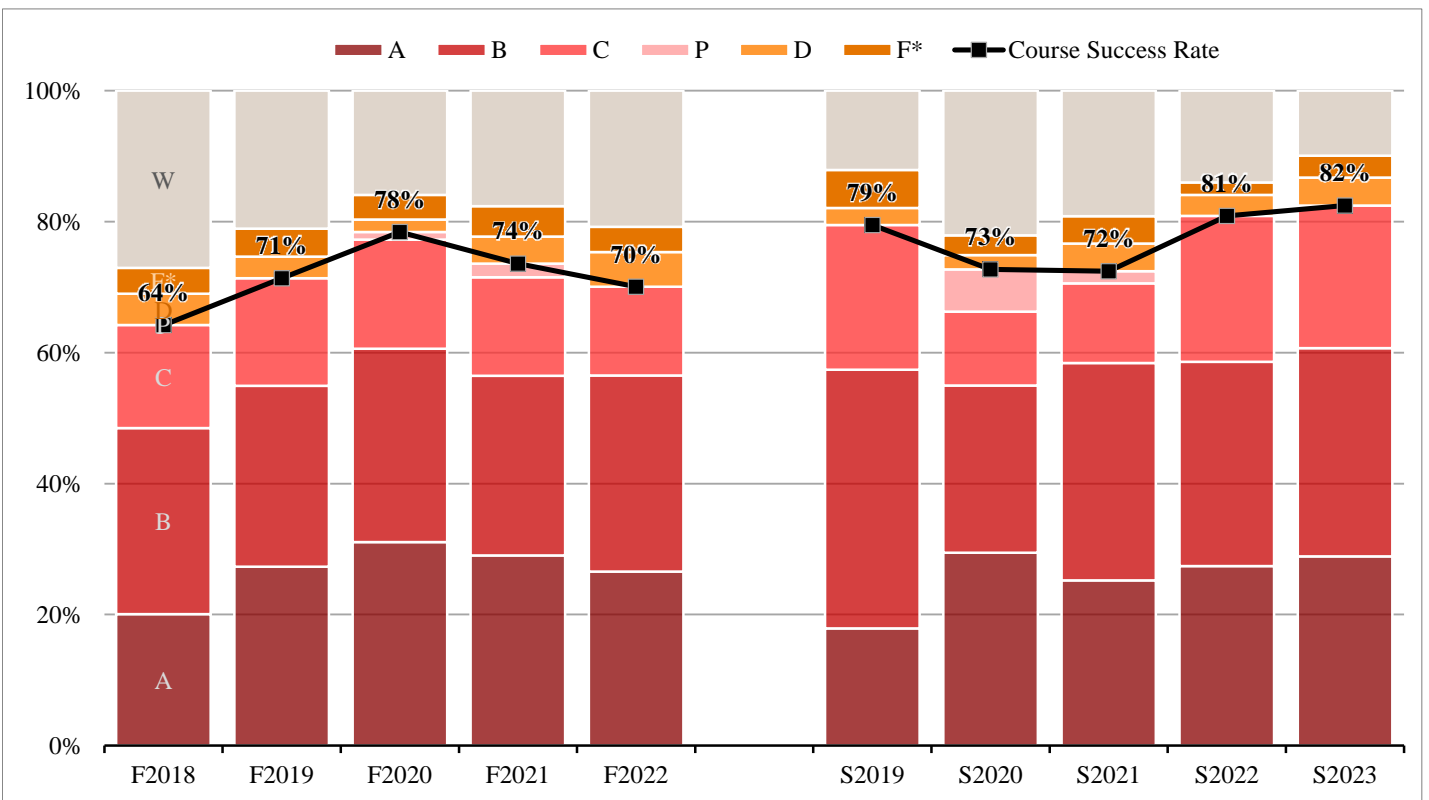
Highest Educational Level of Students

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
High School/Adult School	7	13	10	4	3	10	9	2	5	1
Freshmen (<30 units)	41	54	42	38	42	45	53	43	43	56
Sophomore (30-59 units)	83	108	92	74	92	61	69	71	49	69
Other Undergraduate (60 units or more)	68	87	86	55	50	63	85	82	53	75
AA/AS Degree	1	7	5	3	2	2	5	5	1	3
BA/BS or Higher Degree	7	10	10	3	6	4	7	5	3	1
% High School/Adult School	3%	5%	4%	2%	2%	5%	4%	1%	3%	<1%
% Freshmen (<30 units)	20%	19%	17%	21%	22%	24%	23%	21%	28%	27%
% Sophomore (30-59 units)	40%	39%	38%	42%	47%	33%	30%	34%	32%	34%
% Other Undergraduate (60 units or more)	33%	31%	35%	31%	26%	34%	37%	39%	34%	37%
% AA/AS Degree	<1%	3%	2%	2%	1%	1%	2%	2%	1%	1%
% BA/BS or Higher Degree	3%	4%	4%	2%	3%	2%	3%	2%	2%	<1%



Student Performance: Grade Distribution

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Total Course Enrollments	229	304	264	193	207	190	231	214	157	212
Course Success Rates	64%	71%	78%	74%	70%	79%	73%	72%	81%	82%
A	20%	27%	31%	29%	27%	18%	29%	25%	27%	29%
B	28%	28%	30%	27%	30%	39%	26%	33%	31%	32%
C	16%	16%	17%	15%	14%	22%	11%	12%	22%	22%
P	0%	0%	1%	2%	0%	0%	6%	2%	0%	0%
Course Non-Success Rate	9%	8%	6%	9%	9%	8%	5%	8%	5%	8%
D	5%	3%	2%	4%	5%	3%	2%	4%	3%	4%
F*	4%	4%	4%	5%	4%	6%	3%	4%	2%	3%
Withdrawals (See Note)	27%	21%	16%	18%	21%	12%	22%	19%	14%	10%



Definitions:

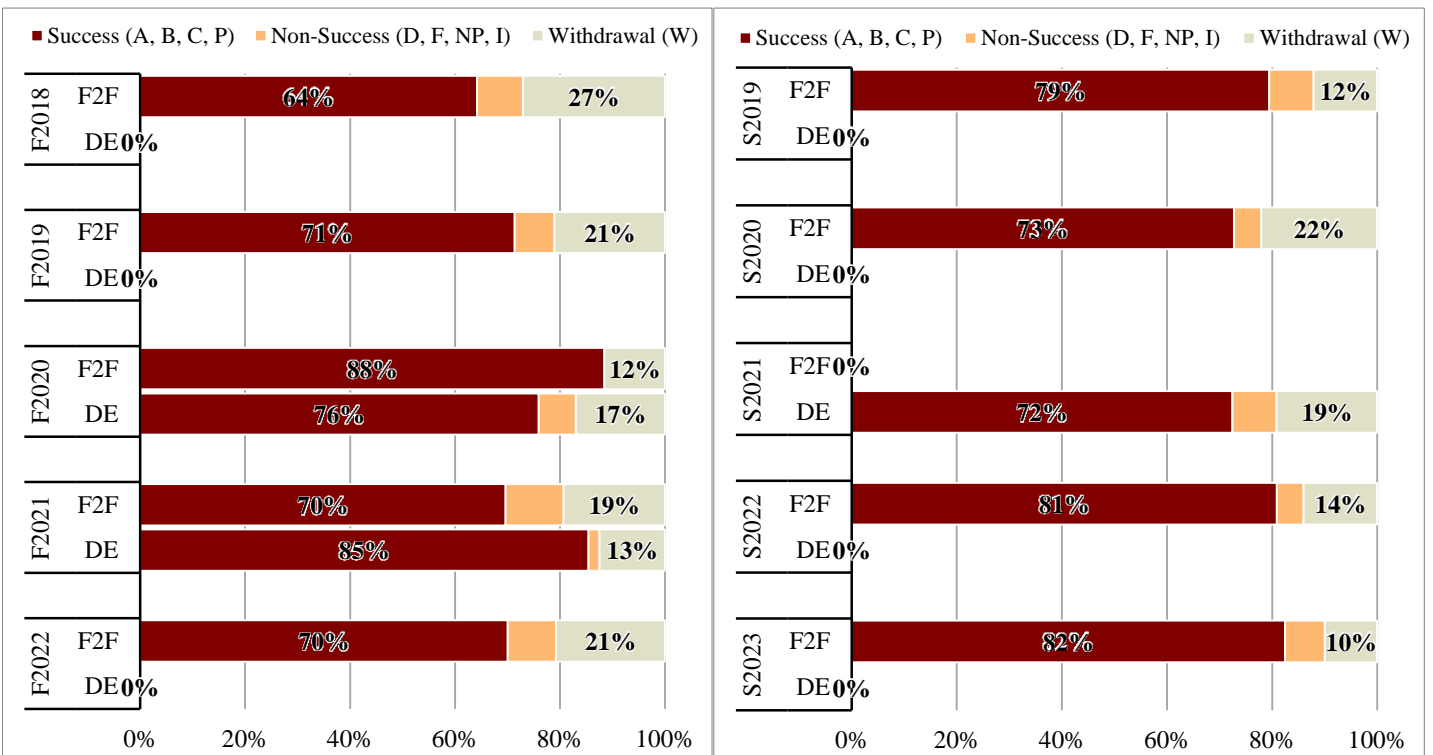
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

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				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Total Course Enrollments	229	304	264	193	207	190	231	214	157	212
Face-to-Face (F2F) Sections	229	304	52	145	207	190	231	0	157	212
Success Rates	64%	71%	88%	70%	70%	79%	73%	—	81%	82%
Non-Success Rates	9%	8%	0%	11%	9%	8%	5%	—	5%	8%
Withdrawals	27%	21%	12%	19%	21%	12%	22%	—	14%	10%
Distance Education (DE) Sections	0	0	212	48	0	0	0	214	0	0
Success Rates	—	—	76%	85%	—	—	—	72%	—	—
Non-Success Rates	—	—	7%	2%	—	—	—	8%	—	—
Withdrawals	—	—	17%	13%	—	—	—	19%	—	—



Definitions:

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

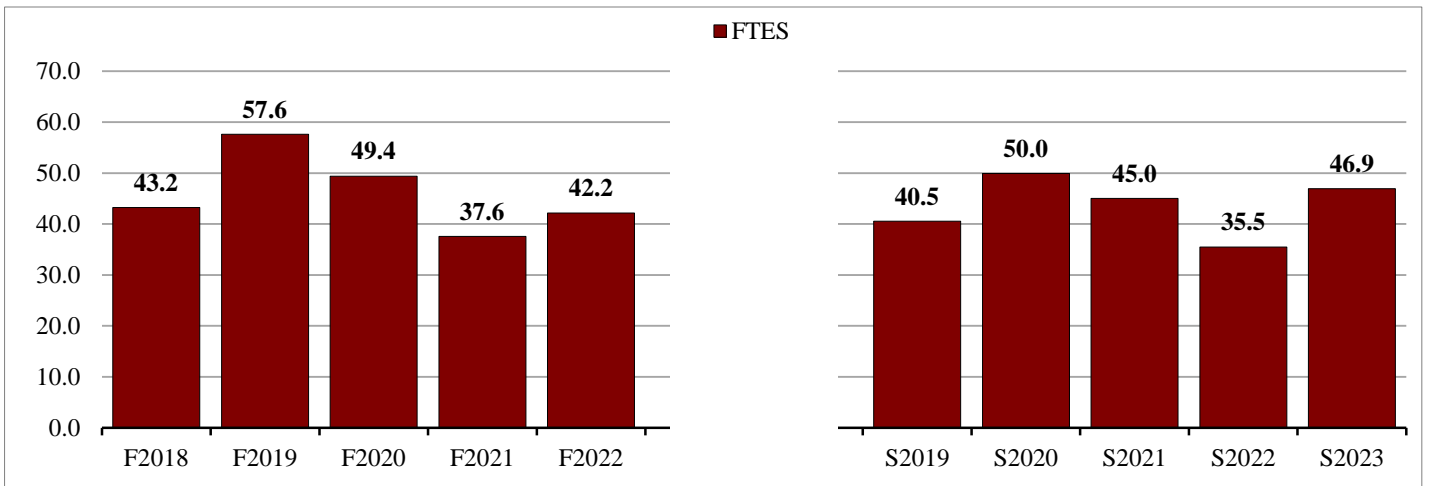
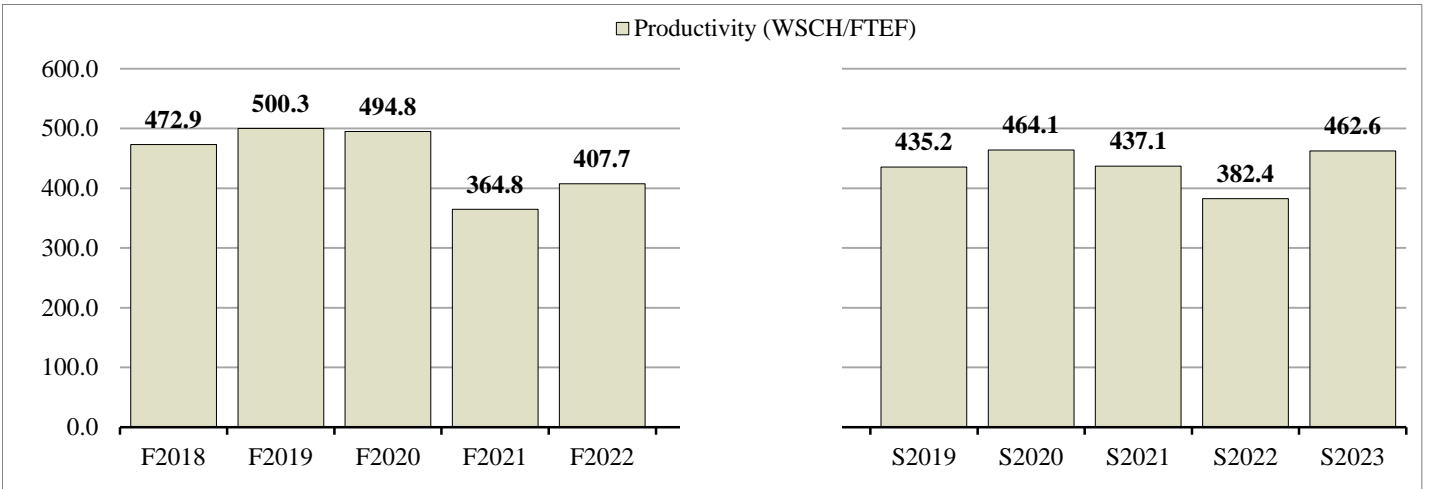
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

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

Physics (PHYS)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
WSCH	1,333	1,806	1,568	1,156	1,292	1,287	1,577	1,439	1,080	1,449
FTES	43.2	57.6	49.4	37.6	42.2	40.5	50.0	45.0	35.5	46.9
FTEF	2.8	3.6	3.2	3.2	3.2	3.0	3.4	3.3	2.8	3.1
Productivity (WSCH/FTEF)	472.9	500.3	494.8	364.8	407.7	435.2	464.1	437.1	382.4	462.6



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.

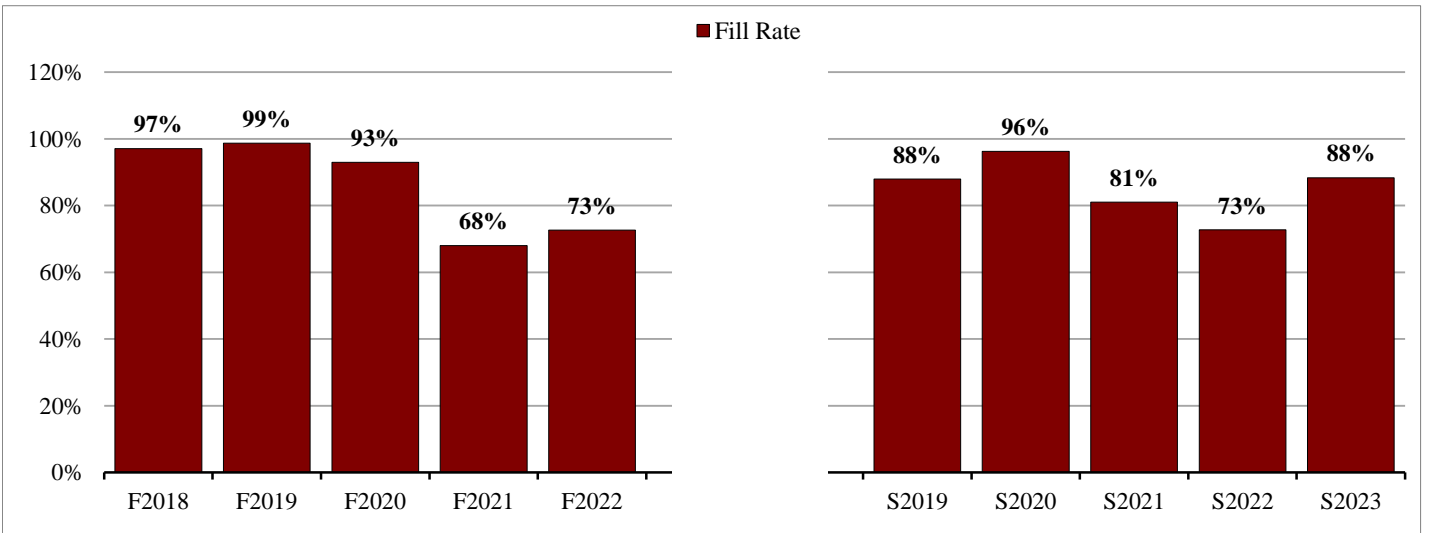
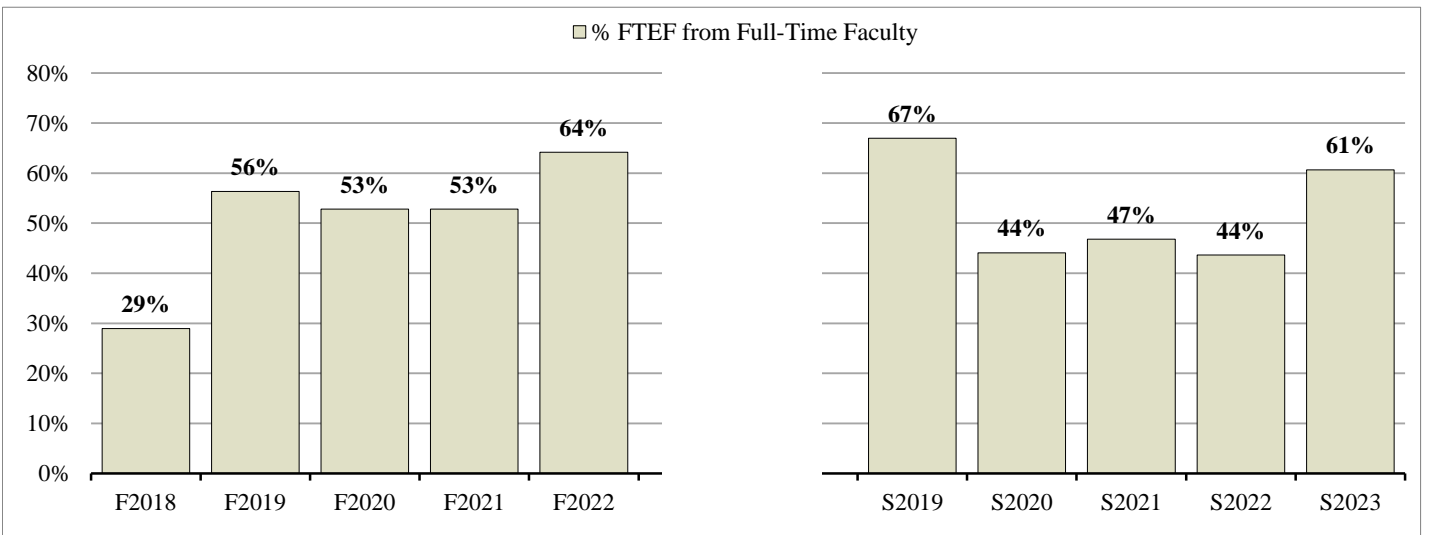
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
FTEF from Full-Time Faculty	0.8	2.0	1.7	1.7	2.0	2.0	1.5	1.5	1.2	1.9
% FTEF from Full-Time Faculty	29%	56%	53%	53%	64%	67%	44%	47%	44%	61%
Enrollments	229	304	264	193	207	190	231	214	157	212
Capacity (seats available)	236	308	284	284	285	216	240	264	216	240
Fill Rate	97%	99%	93%	68%	73%	88%	96%	81%	73%	88%



Definitions:

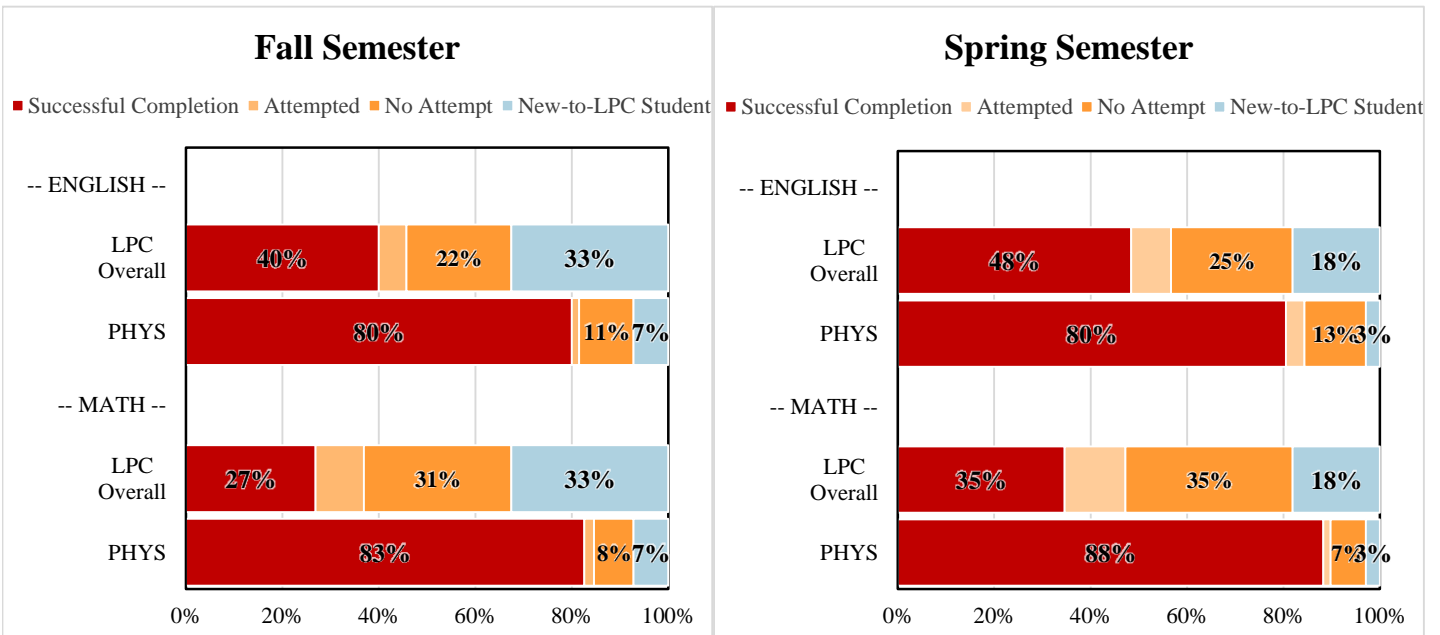
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 / TUTOR 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			
	PHYS		LPC Overall		PHYS		LPC Overall	
	Num	Pct	Num	Pct	Num	Pct	Num	Pct
Transfer-level English								
Successful Completion*	156	80%	2,729	40%	165	80%	3,203	48%
Attempted (<i>not successful</i>)	3	2%	391	6%	8	4%	546	8%
No Attempt	22	11%	1,484	22%	26	13%	1,672	25%
New-to-LPC Student	14	7%	2,221	33%	6	3%	1,197	18%
Transfer-level Math								
Successful Completion*	161	83%	1,835	27%	181	88%	2,288	35%
Attempted (<i>not successful</i>)	4	2%	683	10%	3	1%	837	13%
No Attempt	16	8%	2,086	31%	15	7%	2,296	35%
New-to-LPC Student	14	7%	2,221	33%	6	3%	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.