



Las Positas College

Discipline Program Review Data Packet

Fall 2017 to Fall 2021

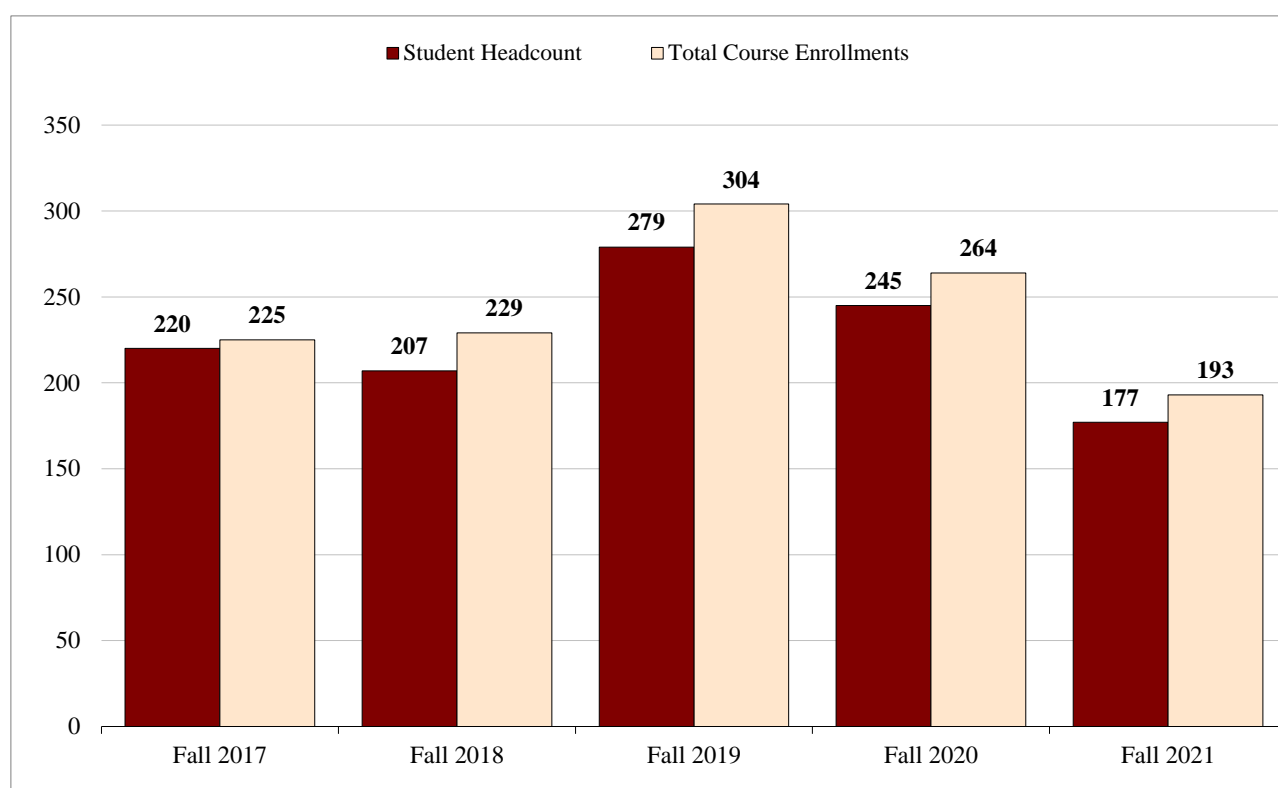
Discipline:

Physics (PHYS)

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Headcount & Enrollment

Physics (PHYS)					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Student Headcount	220	207	279	245	177
Total Course Enrollments	225	229	304	264	193



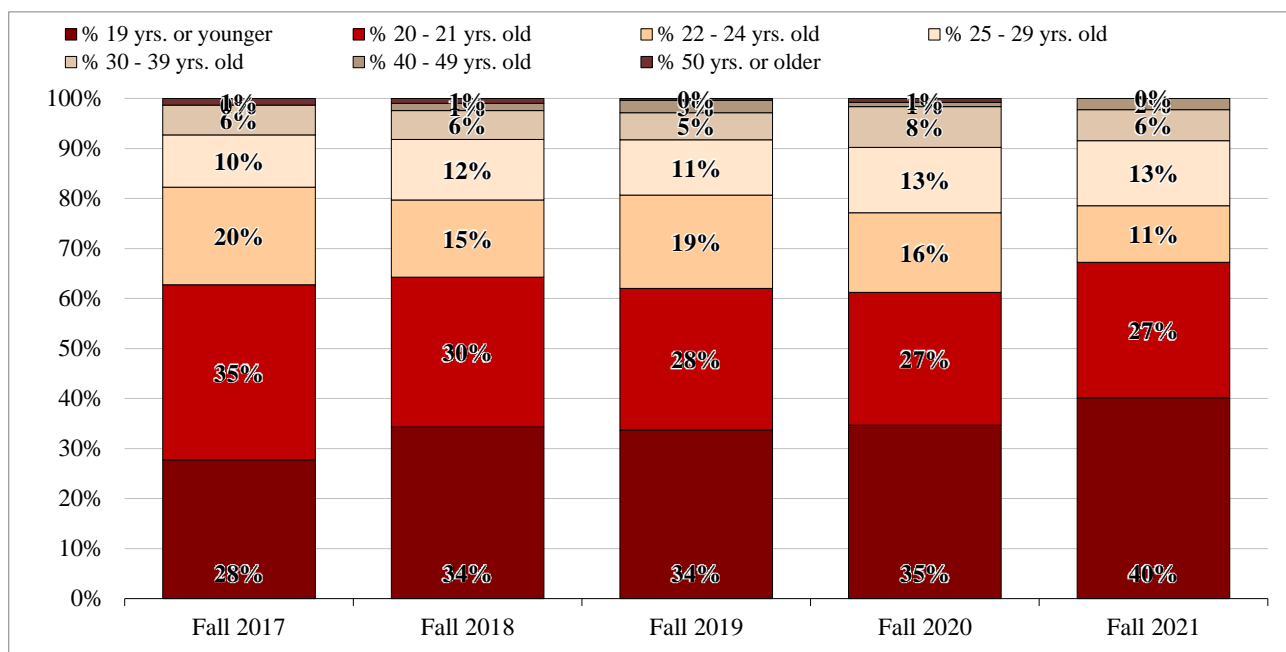
Definitions:

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.

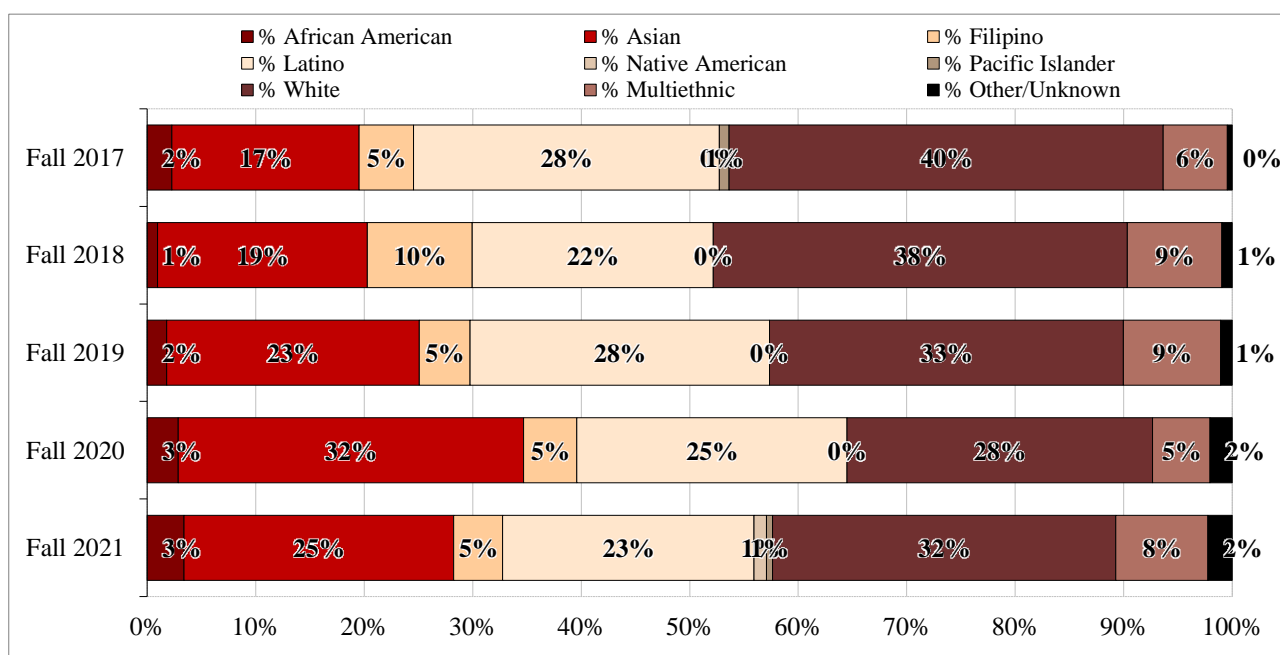
Student Demographics: Gender & Age

Physics (PHYS)					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Female	53	60	92	84	49
Male	166	142	184	156	122
19 yrs. or younger	61	71	94	85	71
20-21 yrs. old	77	62	79	65	48
22-24 yrs. old	43	32	52	39	20
25-29 yrs. old	23	25	31	32	23
30-39 yrs. old	13	12	15	20	11
40-49 yrs. old	0	3	7	2	4
50 yrs. or older	3	2	1	2	0
% Female	24%	30%	33%	35%	29%
% Male	76%	70%	67%	65%	71%
% 19 yrs. or younger	28%	34%	34%	35%	40%
% 20 - 21 yrs. old	35%	30%	28%	27%	27%
% 22 - 24 yrs. old	20%	15%	19%	16%	11%
% 25 - 29 yrs. old	10%	12%	11%	13%	13%
% 30 - 39 yrs. old	6%	6%	5%	8%	6%
% 40 - 49 yrs. old	0%	1%	3%	1%	2%
% 50 yrs. or older	1%	1%	<1%	1%	0%



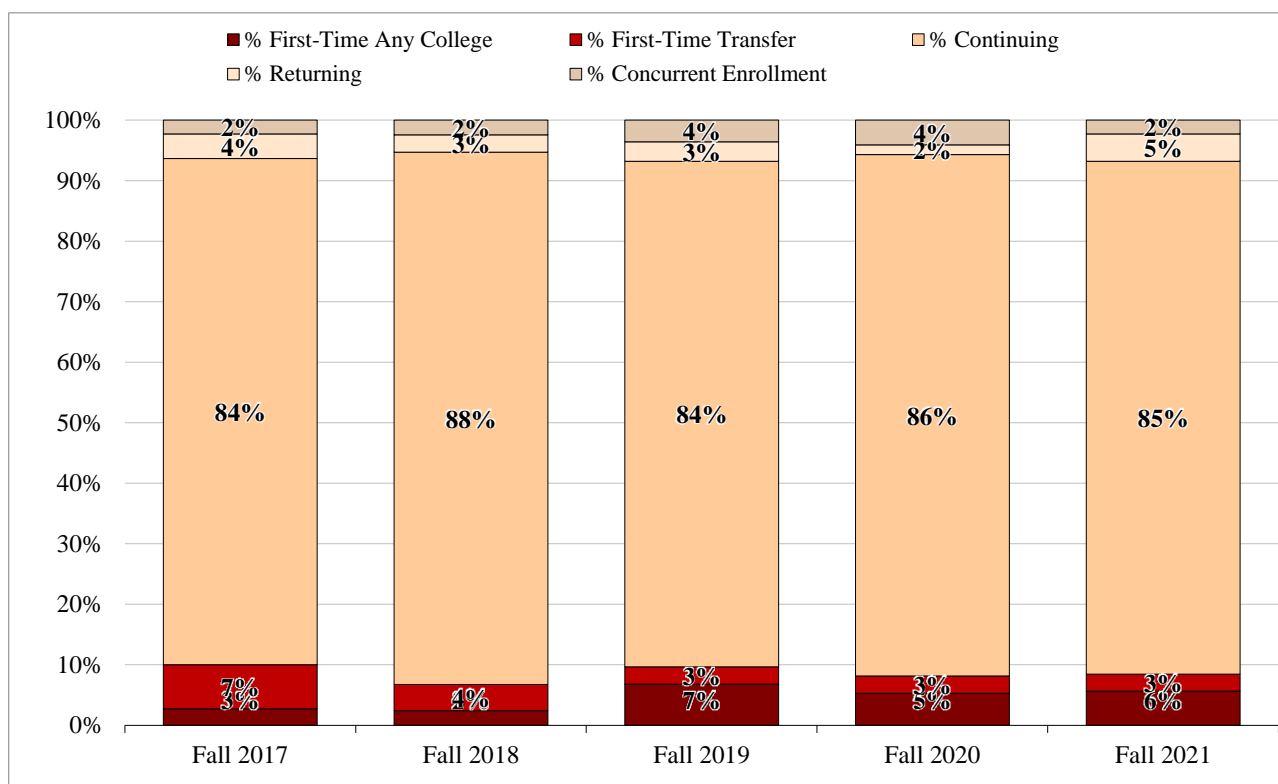
Student Demographic: Race-Ethnicity

Physics (PHYS)					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
African American	5	2	5	7	6
Asian	38	40	65	78	44
Filipino	11	20	13	12	8
Latino	62	46	77	61	41
Native American	0	0	0	0	2
Pacific Islander	2	0	0	0	1
White	88	79	91	69	56
Multiethnic	13	18	25	13	15
Other/Unknown	1	2	3	5	4
% African American	2%	1%	2%	3%	3%
% Asian	17%	19%	23%	32%	25%
% Filipino	5%	10%	5%	5%	5%
% Latino	28%	22%	28%	25%	23%
% Native American	0%	0%	0%	0%	1%
% Pacific Islander	1%	0%	0%	0%	1%
% White	40%	38%	33%	28%	32%
% Multiethnic	6%	9%	9%	5%	8%
% Other/Unknown	<1%	1%	1%	2%	2%



Student Enrollment Status

Physics (PHYS)					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
First-Time Any College	6	5	19	13	10
First-Time Transfer	16	9	8	7	5
Continuing	184	182	233	211	150
Returning	9	6	9	4	8
Concurrent Enrollment	5	5	10	10	4
% First-Time Any College	3%	2%	7%	5%	6%
% First-Time Transfer	7%	4%	3%	3%	3%
% Continuing	84%	88%	84%	86%	85%
% Returning	4%	3%	3%	2%	5%
% Concurrent Enrollment	2%	2%	4%	4%	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.

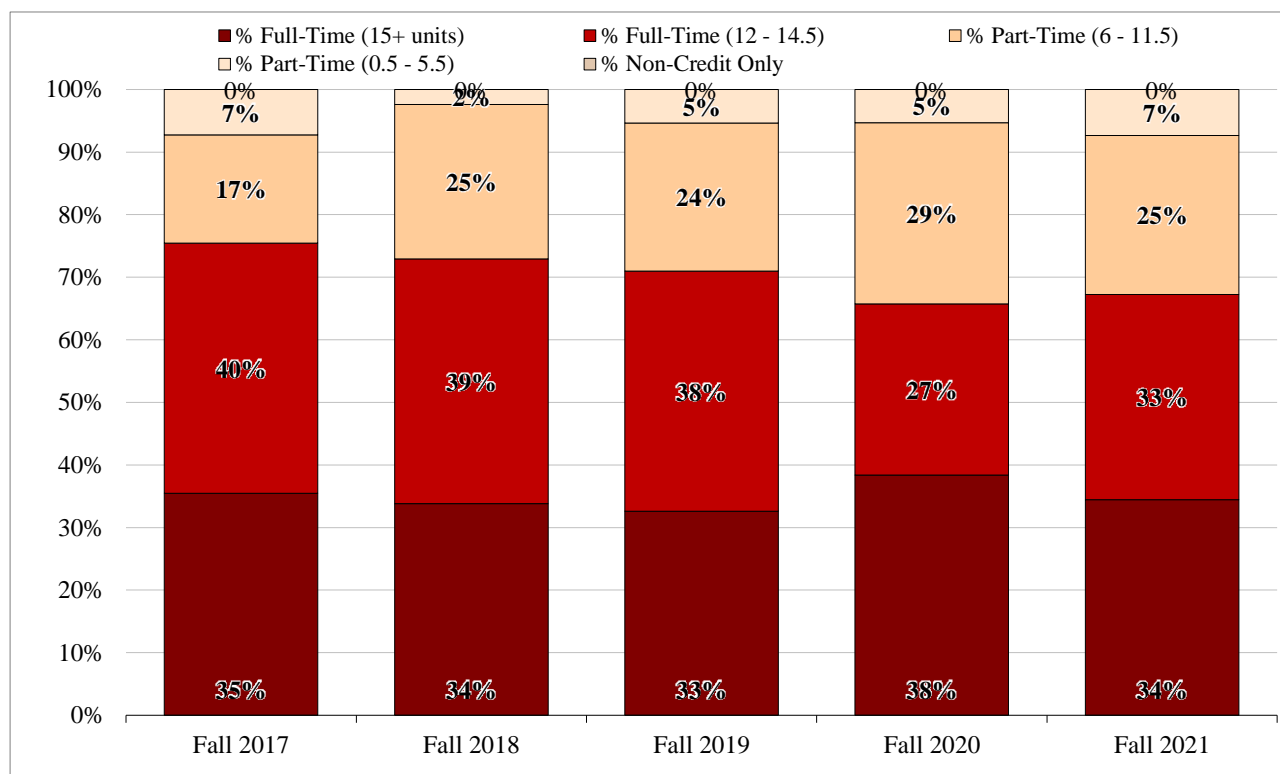
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

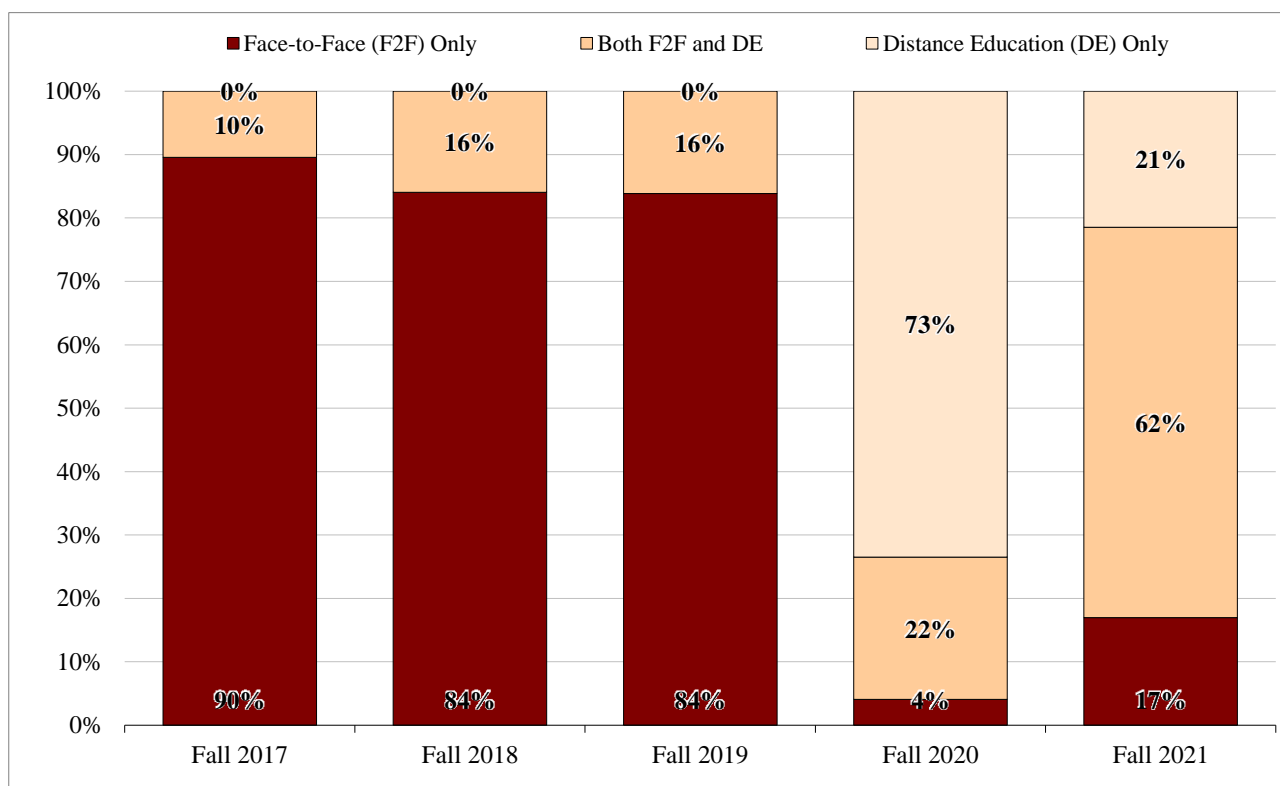
Student Unit Load

Physics (PHYS)					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Full-Time (15+ units)	78	70	91	94	61
Full-Time (12 - 14.5)	88	81	107	67	58
Part-Time (6 - 11.5)	38	51	66	71	45
Part-Time (0.5 - 5.5)	16	5	15	13	13
Non-Credit Only	0	0	0	0	0
% Full-Time (15+ units)	35%	34%	33%	38%	34%
% Full-Time (12 - 14.5)	40%	39%	38%	27%	33%
% Part-Time (6 - 11.5)	17%	25%	24%	29%	25%
% Part-Time (0.5 - 5.5)	7%	2%	5%	5%	7%
% Non-Credit Only	0%	0%	0%	0%	0%



Students Using Distance Education

Physics (PHYS)					
(Categories reflect college-wide coursework)	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Face-to-Face (F2F) Only	197	174	234	10	30
Both F2F and DE	23	33	45	55	109
Distance Education (DE) Only	0	0	0	180	38
% Face-to-Face (F2F) Only	90%	84%	84%	4%	17%
% Both F2F and DE	10%	16%	16%	22%	62%
% Distance Education (DE) Only	0%	0%	0%	73%	21%



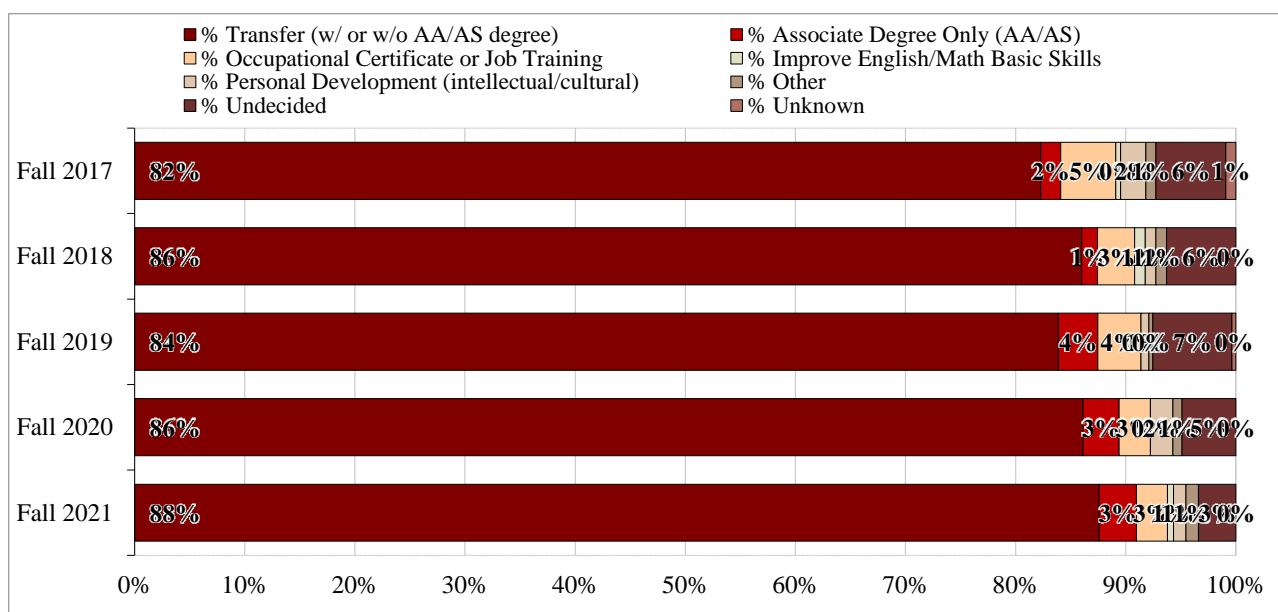
Definitions:

Distance Education (DE) includes enrollments in courses with section numbers designated as courses with 51% or more of instruction delivered online.

Due to the COVID-19 pandemic, 2020-21 DE courses were distinguished through provisional designations.

Student Educational Goal

Physics (PHYS)					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Transfer (w/ or w/o AA/AS degree)	181	178	234	211	155
Associate Degree Only (AA/AS)	4	3	10	8	6
Occupational Certificate or Job Training	11	7	11	7	5
Improve English/Math Basic Skills	1	2	0	0	1
Personal Development (intellectual/cultural)	5	2	2	5	2
Other	2	2	1	2	2
Undecided	14	13	20	12	6
Unknown	2	0	1	0	0
% Transfer (w/ or w/o AA/AS degree)	82%	86%	84%	86%	88%
% Associate Degree Only (AA/AS)	2%	1%	4%	3%	3%
% Occupational Certificate or Job Training	5%	3%	4%	3%	3%
% Improve English/Math Basic Skills	<1%	1%	0%	0%	1%
% Personal Development (intellectual/cultural)	2%	1%	1%	2%	1%
% Other	1%	1%	<1%	1%	1%
% Undecided	6%	6%	7%	5%	3%
% Unknown	1%	0%	<1%	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.

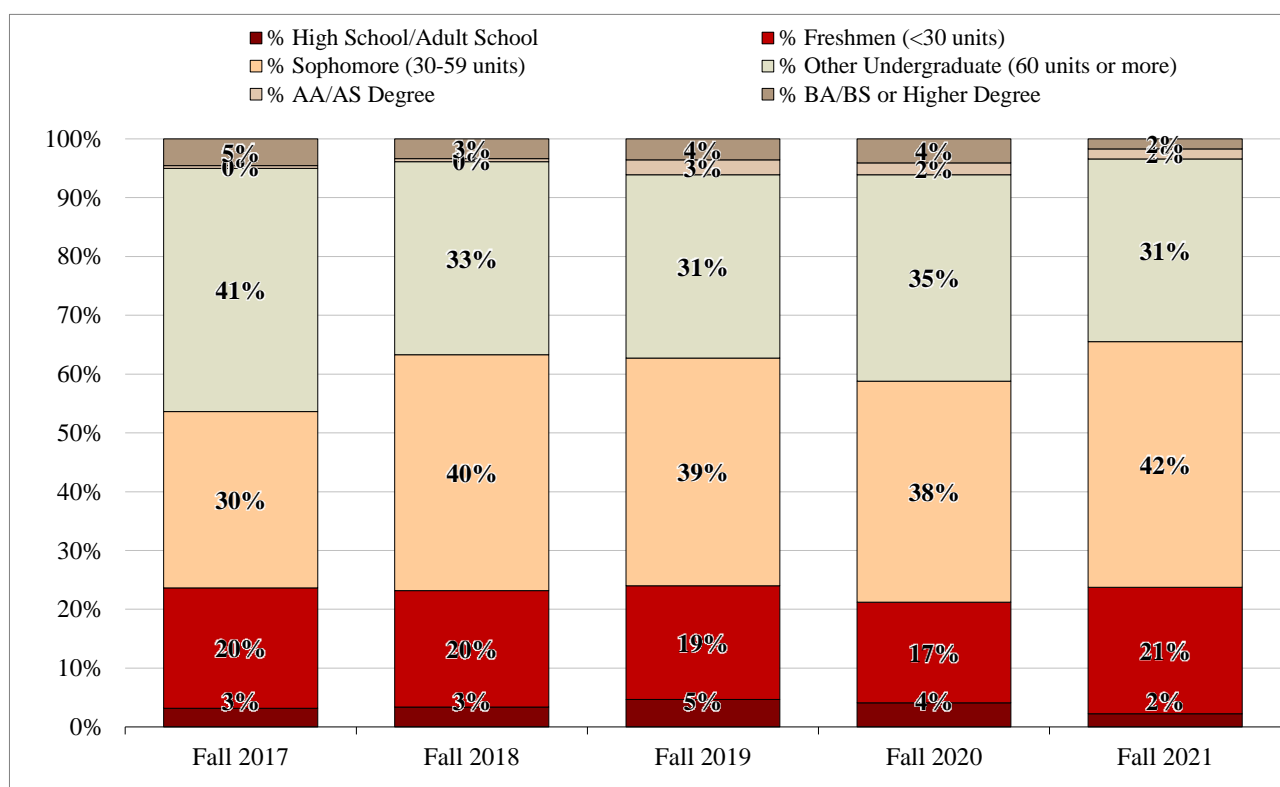
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

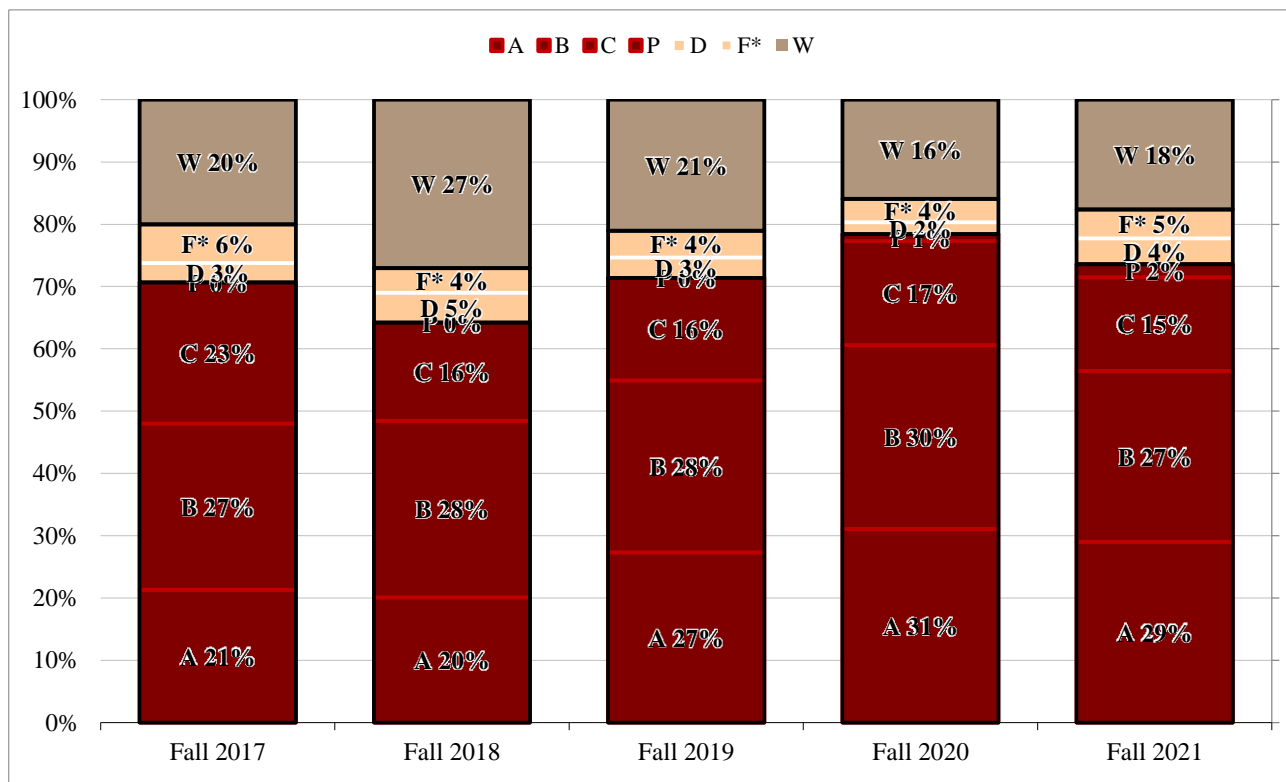
Highest Educational Level of Students

Physics (PHYS)					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
High School/Adult School	7	7	13	10	4
Freshmen (<30 units)	45	41	54	42	38
Sophomore (30-59 units)	66	83	108	92	74
Other Undergraduate (60 units or more)	91	68	87	86	55
AA/AS Degree	1	1	7	5	3
BA/BS or Higher Degree	10	7	10	10	3
% High School/Adult School	3%	3%	5%	4%	2%
% Freshmen (<30 units)	20%	20%	19%	17%	21%
% Sophomore (30-59 units)	30%	40%	39%	38%	42%
% Other Undergraduate (60 units or more)	41%	33%	31%	35%	31%
% AA/AS Degree	<1%	<1%	3%	2%	2%
% BA/BS or Higher Degree	5%	3%	4%	4%	2%



Student Performance: Grade Distribution

Physics (PHYS)					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Total Course Enrollments	225	229	304	264	193
Course Success Rates	71%	64%	71%	78%	74%
A	21%	20%	27%	31%	29%
B	27%	28%	28%	30%	27%
C	23%	16%	16%	17%	15%
P	0%	0%	0%	1%	2%
Course Non-Success Rate	9%	9%	8%	6%	9%
D	3%	5%	3%	2%	4%
F*	6%	4%	4%	4%	5%
Withdrawals (See Note)	20%	27%	21%	16%	18%



Definitions:

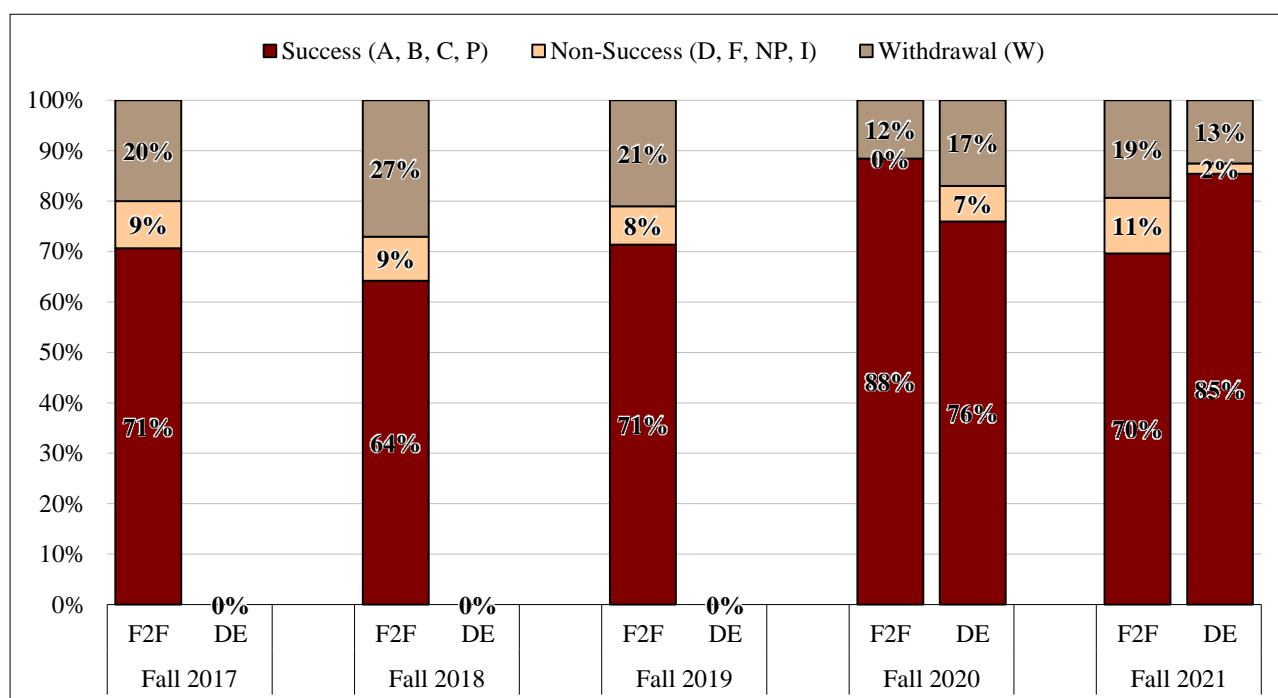
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

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

Physics (PHYS)					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Total Course Enrollments	225	229	304	264	193
Face-to-Face (F2F) Sections	225	229	304	52	145
Success Rates	71%	64%	71%	88%	70%
Non-Success Rates	9%	9%	8%	0%	11%
Withdrawals	20%	27%	21%	12%	19%
Distance Education (DE) Sections	0	0	0	212	48
Success Rates	—	—	—	76%	85%
Non-Success Rates	—	—	—	7%	2%
Withdrawals	—	—	—	17%	13%



Definitions:

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

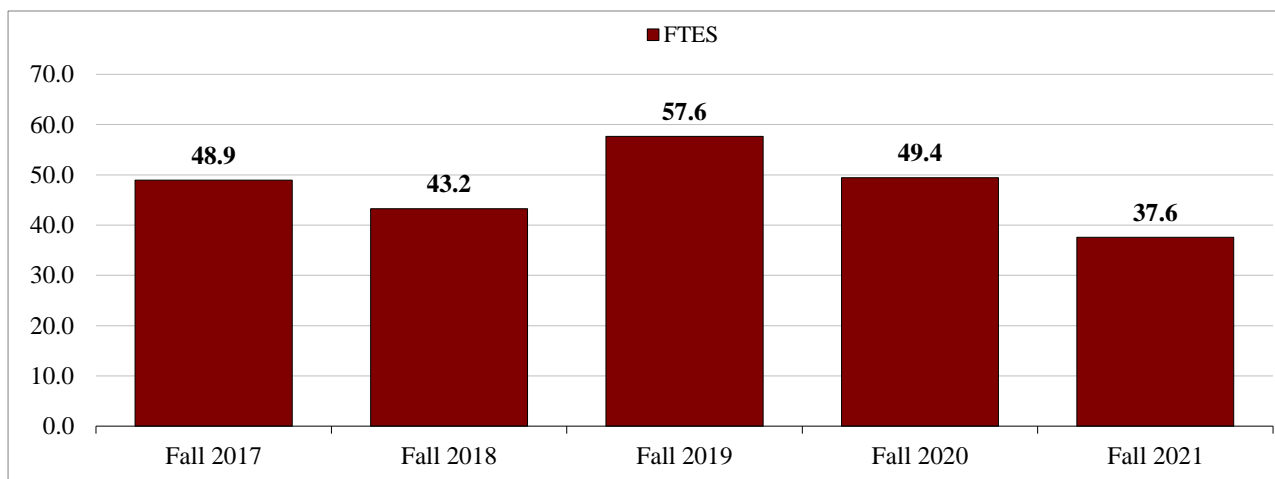
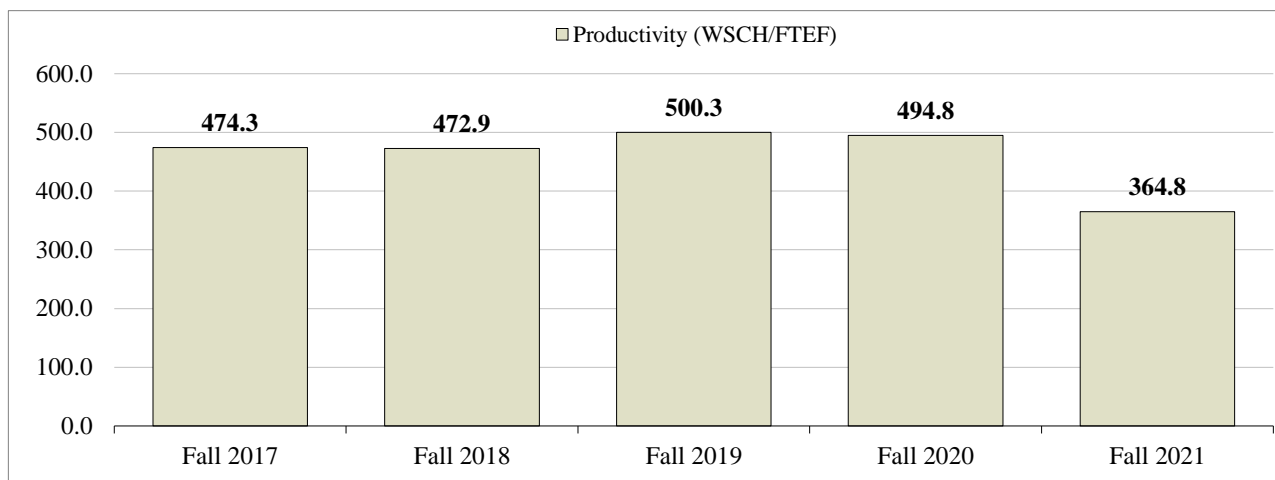
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

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)				
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
WSCH	1,503	1,333	1,806	1,568	1,156
FTES	48.9	43.2	57.6	49.4	37.6
FTEF	3.2	2.8	3.6	3.2	3.2
Productivity (WSCH/FTEF)	474.3	472.9	500.3	494.8	364.8



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.

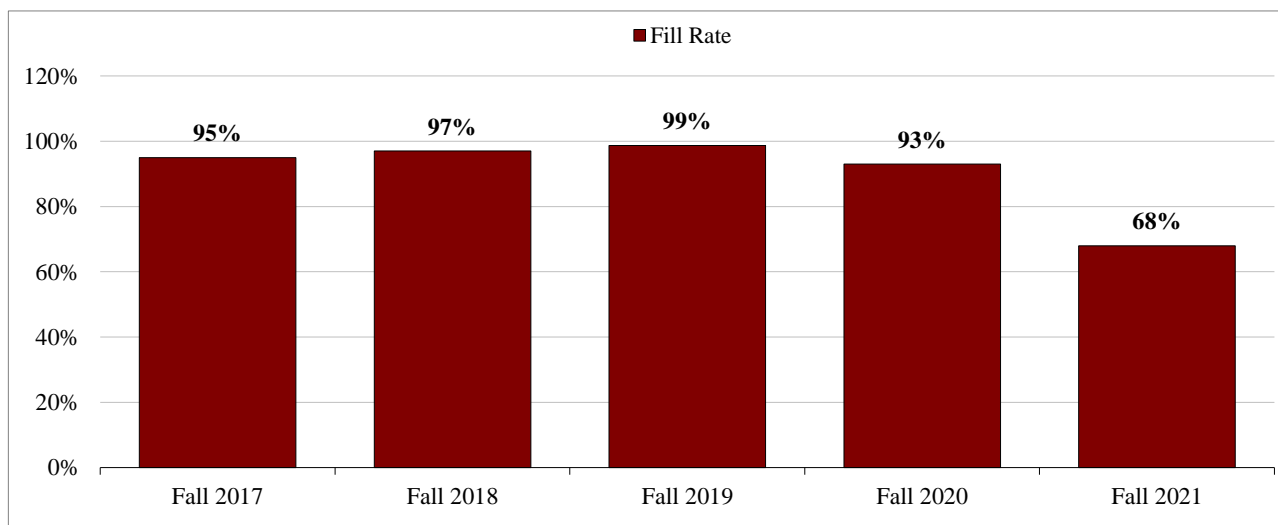
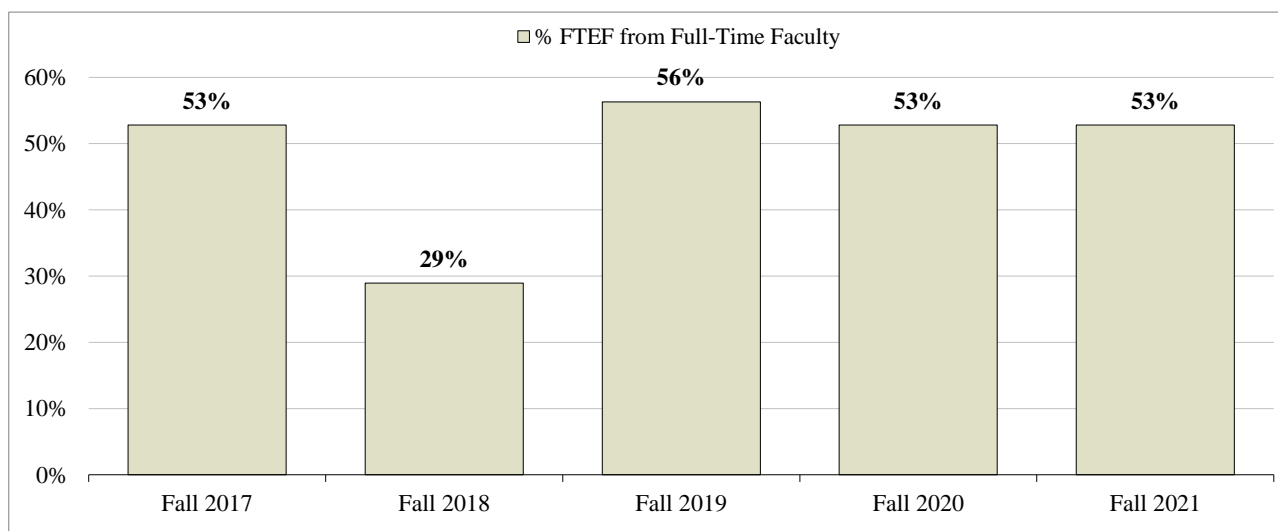
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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 7/20/21.

Enrollment Management: Part 2

Physics (PHYS)					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
FTEF from Full-Time Faculty	1.7	0.8	2.0	1.7	1.7
% FTEF from Full-Time Faculty	53%	29%	56%	53%	53%
Enrollments	225	229	304	264	193
Capacity (seats available)	237	236	308	284	284
Fill Rate	95%	97%	99%	93%	68%



Definitions:

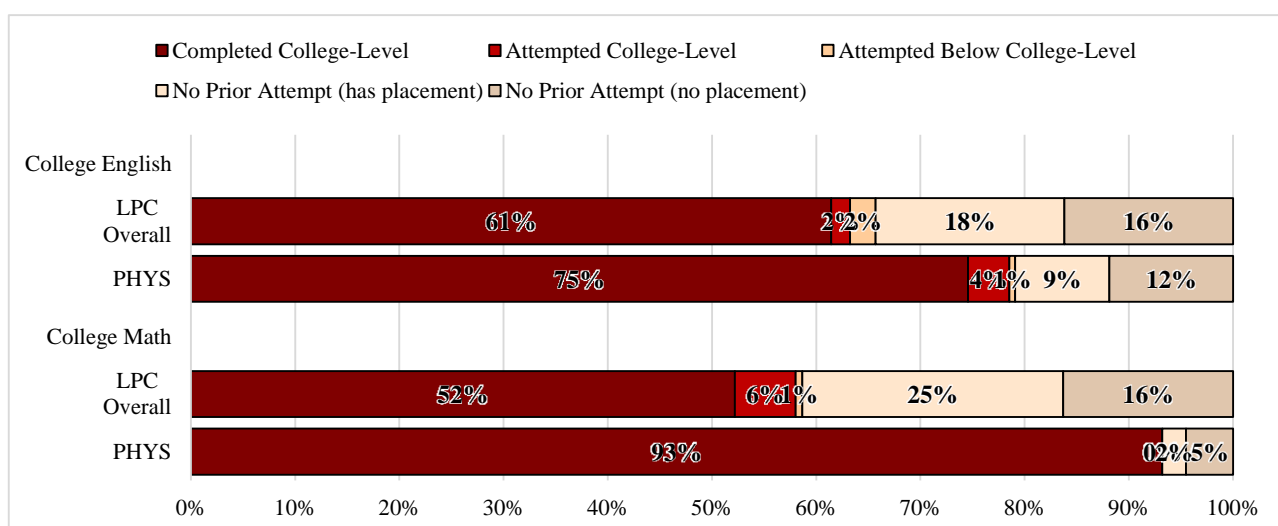
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 7/20/21.

Prior Experience in English & Math

Fall 2021				
	PHYS		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	132	75%	3,849	52%
Attempted College-level	7	4%	430	6%
Attempted Below College-level	1	1%	46	1%
No Prior Attempt (has placement)	16	9%	1,845	25%
No Prior Attempt (no placement)	21	12%	1,202	16%
College Math				
Completed College-level	165	93%	4,530	61%
Attempted College-level	0	0%	132	2%
Attempted Below College-level	0	0%	181	2%
No Prior Attempt (has placement)	4	2%	1,337	18%
No Prior Attempt (no placement)	8	5%	1,192	16%



Definitions:

College English: **Completed College-level** = successfully completed ENG 1A, 1AEX, or attempted transfer level, or has earned at least an Associates degree.

Attempted College-level = attempted ENG 1A or 1AEX but has not successfully completed prior to indicated term.

Attempted Below College-level = attempted ENG 102, 104, 105, 100A, 100B, NENG 204, or ESL 25 prior to indicated term.

No Prior Attempt (has placement) = no previous English enrollments within the sequence but has used a placement tool.

No Prior Attempt (no placement) = no previous English enrollments within the sequence and did not utilize a placement tool.

College Math:

Completed College-level = successfully completed MATH 55, 50, NMAT 255 or 250, or attempted transfer level, or has earned at least an Associates degree.

Attempted College-level = attempted MATH 55, 50, NMAT 255 or 250 but has not successfully completed prior to indicated term.

Attempted Below College-level = attempted MATH 110, 107, NMAT 210 or 207 prior to indicated term.

No Prior Attempt (has placement) = no previous Math enrollments within the sequence but has used a placement tool.

No Prior Attempt (no placement) = no previous Math enrollments within the sequence and did not utilize a placement tool.