



Las Positas College
Program Review Discipline Data Packet
Spring 2016 to Spring 2020

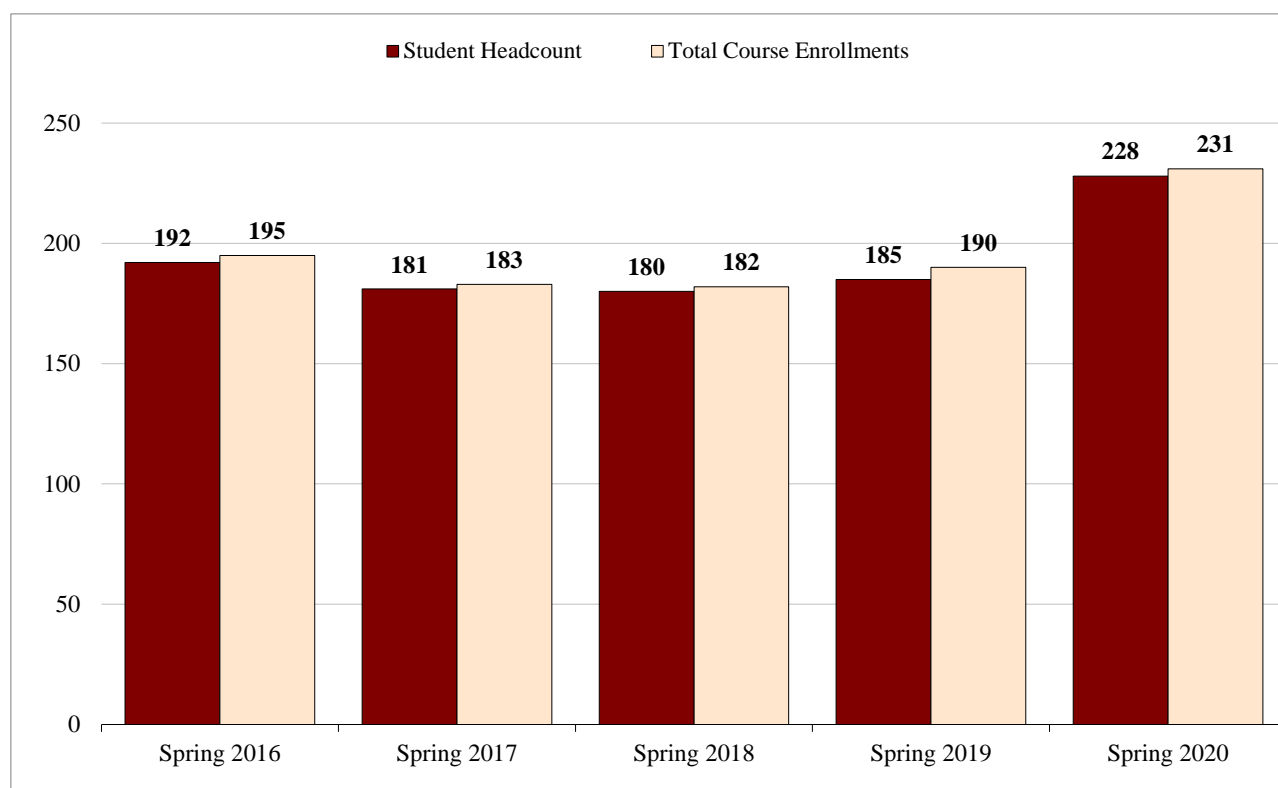
Discipline:
Physics (PHYS)

<u>TABLE OF CONTENTS</u>	<u>PAGE</u>
Headcount & Enrollment	1
Student Demographics: Gender & Age	2
Student Demographics: Race-Ethnicity	3
Student Enrollment Status	4
Student Unit Load	5
Students Using Distance Education	6
Student Educational Goal	7
Highest Educational Level of Students	8
Student Performance: Grade Distribution.....	9
Student Performance: Distance Education.....	10
Enrollment Management Data	11-12
College Readiness: English & Math Proficiency.....	13

NOTE: ^ next to rubric / subject code indicates that the report combines data for related credit and non-credit rubrics

Headcount & Enrollment

	Physics (PHYS)				
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Student Headcount	192	181	180	185	228
Total Course Enrollments	195	183	182	190	231



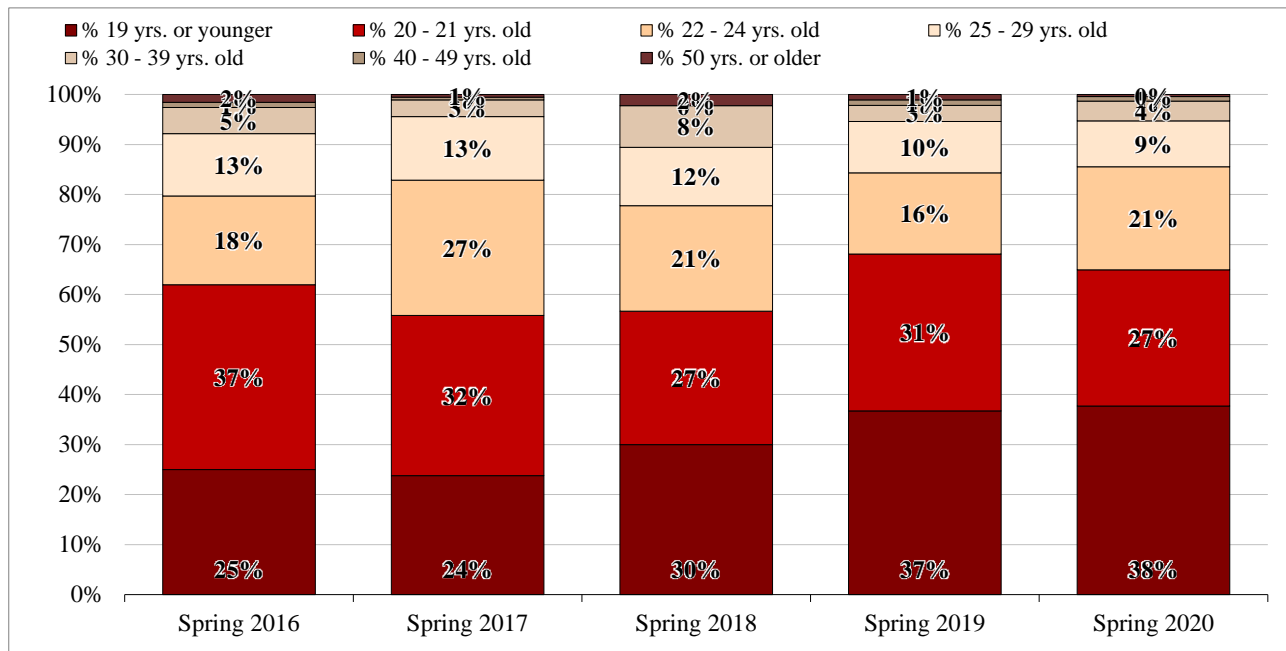
Definitions:

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.

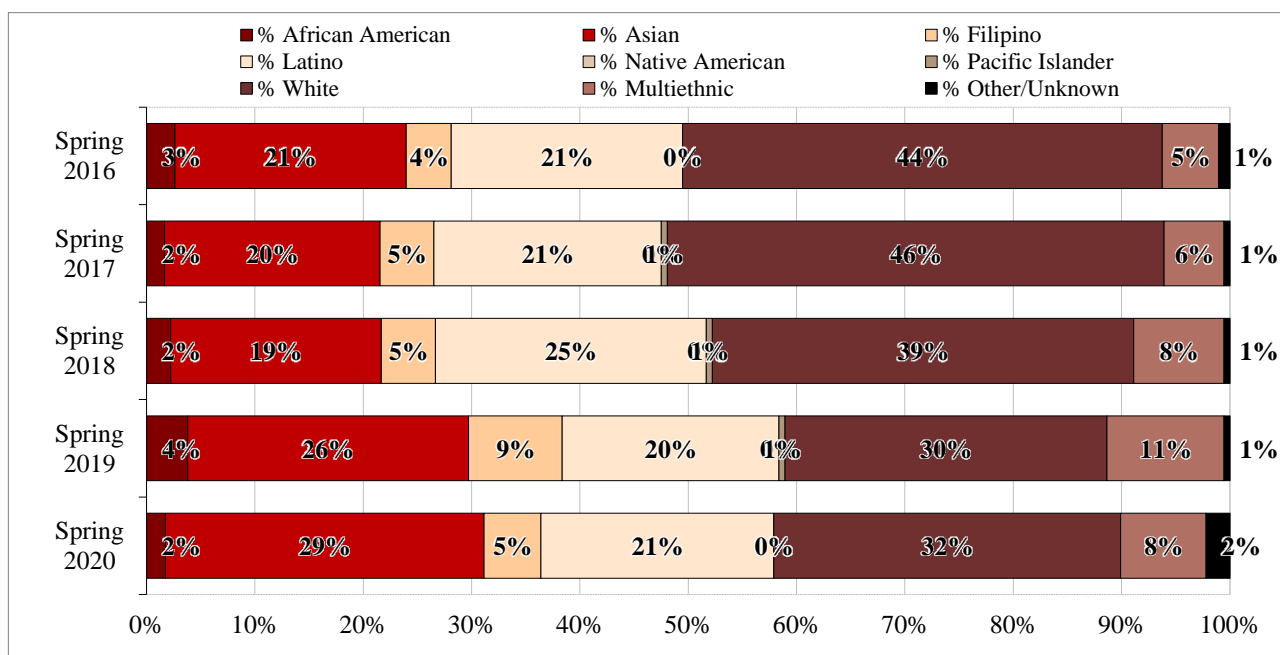
Student Demographics: Gender & Age

Physics (PHYS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Female	41	60	51	43	59
Male	146	120	127	139	164
19 yrs. or younger	48	43	54	68	86
20-21 yrs. old	71	58	48	58	62
22-24 yrs. old	34	49	38	30	47
25-29 yrs. old	24	23	21	19	21
30-39 yrs. old	10	6	15	6	9
40-49 yrs. old	2	1	0	2	2
50 yrs. or older	3	1	4	2	1
% Female	22%	33%	29%	24%	26%
% Male	78%	67%	71%	76%	74%
% 19 yrs. or younger	25%	24%	30%	37%	38%
% 20 - 21 yrs. old	37%	32%	27%	31%	27%
% 22 - 24 yrs. old	18%	27%	21%	16%	21%
% 25 - 29 yrs. old	13%	13%	12%	10%	9%
% 30 - 39 yrs. old	5%	3%	8%	3%	4%
% 40 - 49 yrs. old	1%	1%	0%	1%	1%
% 50 yrs. or older	2%	1%	2%	1%	<1%



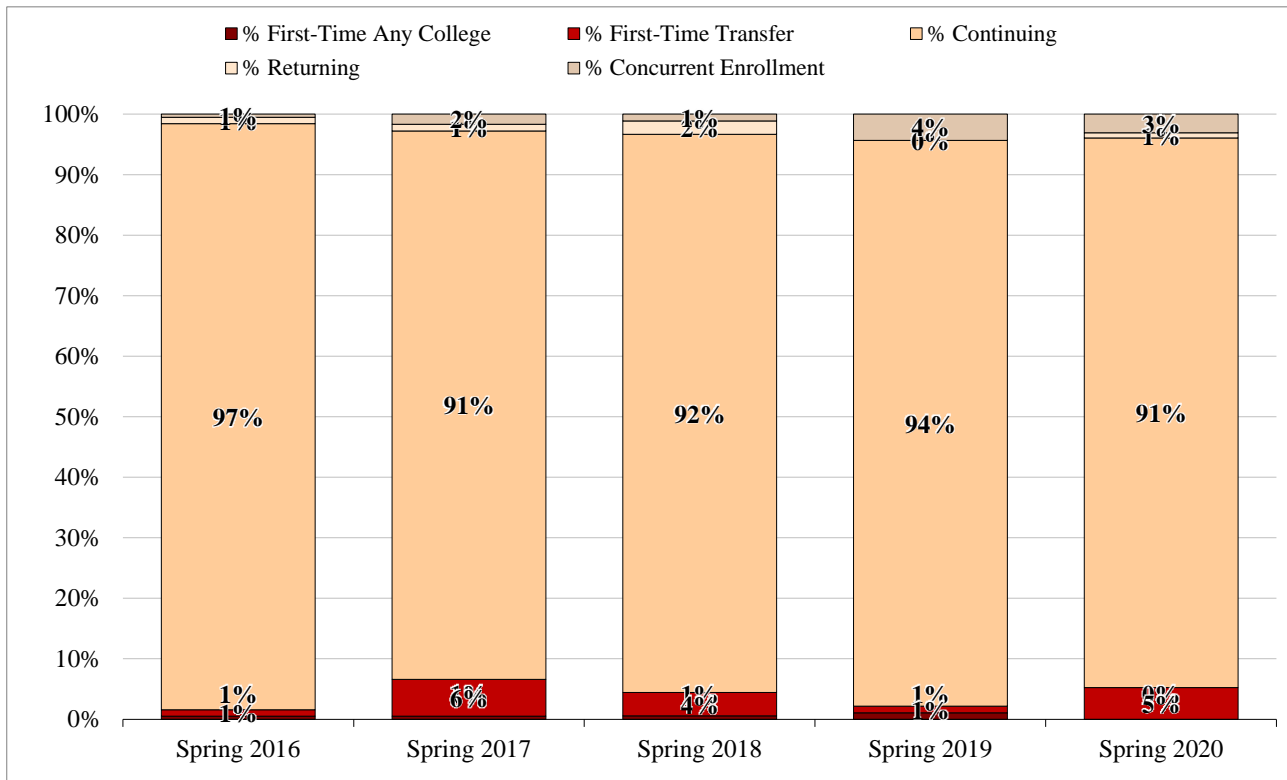
Student Demographic: Race-Ethnicity

Physics (PHYS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
African American	5	3	4	7	4
Asian	41	36	35	48	67
Filipino	8	9	9	16	12
Latino	41	38	45	37	49
Native American	0	0	0	0	0
Pacific Islander	0	1	1	1	0
White	85	83	70	55	73
Multiethnic	10	10	15	20	18
Other/Unknown	2	1	1	1	5
% African American	3%	2%	2%	4%	2%
% Asian	21%	20%	19%	26%	29%
% Filipino	4%	5%	5%	9%	5%
% Latino	21%	21%	25%	20%	21%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	0%	1%	1%	1%	0%
% White	44%	46%	39%	30%	32%
% Multiethnic	5%	6%	8%	11%	8%
% Other/Unknown	1%	1%	1%	1%	2%



Student Enrollment Status

Physics (PHYS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
First-Time Any College	1	1	1	2	0
First-Time Transfer	2	11	7	2	12
Continuing	186	164	166	173	207
Returning	2	2	4	0	2
Concurrent Enrollment	1	3	2	8	7
% First-Time Any College	1%	1%	1%	1%	0%
% First-Time Transfer	1%	6%	4%	1%	5%
% Continuing	97%	91%	92%	94%	91%
% Returning	1%	1%	2%	0%	1%
% Concurrent Enrollment	1%	2%	1%	4%	3%



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.

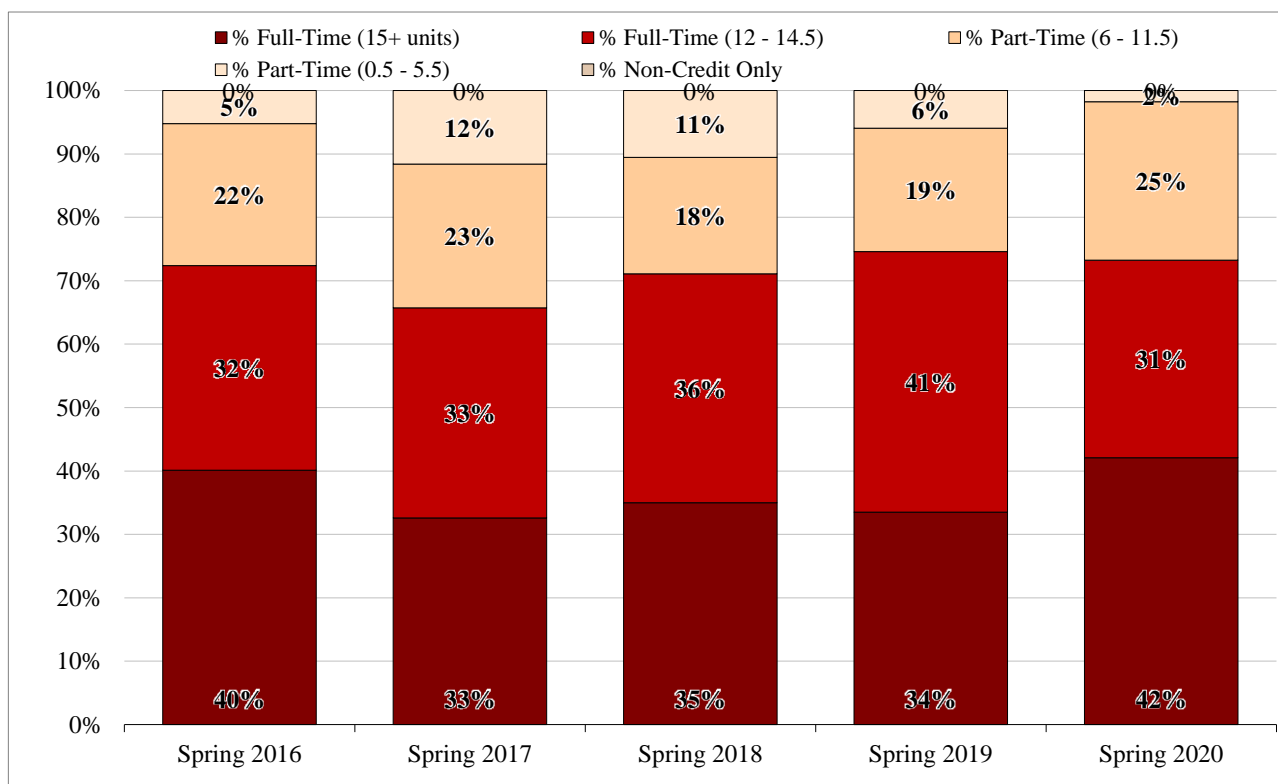
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

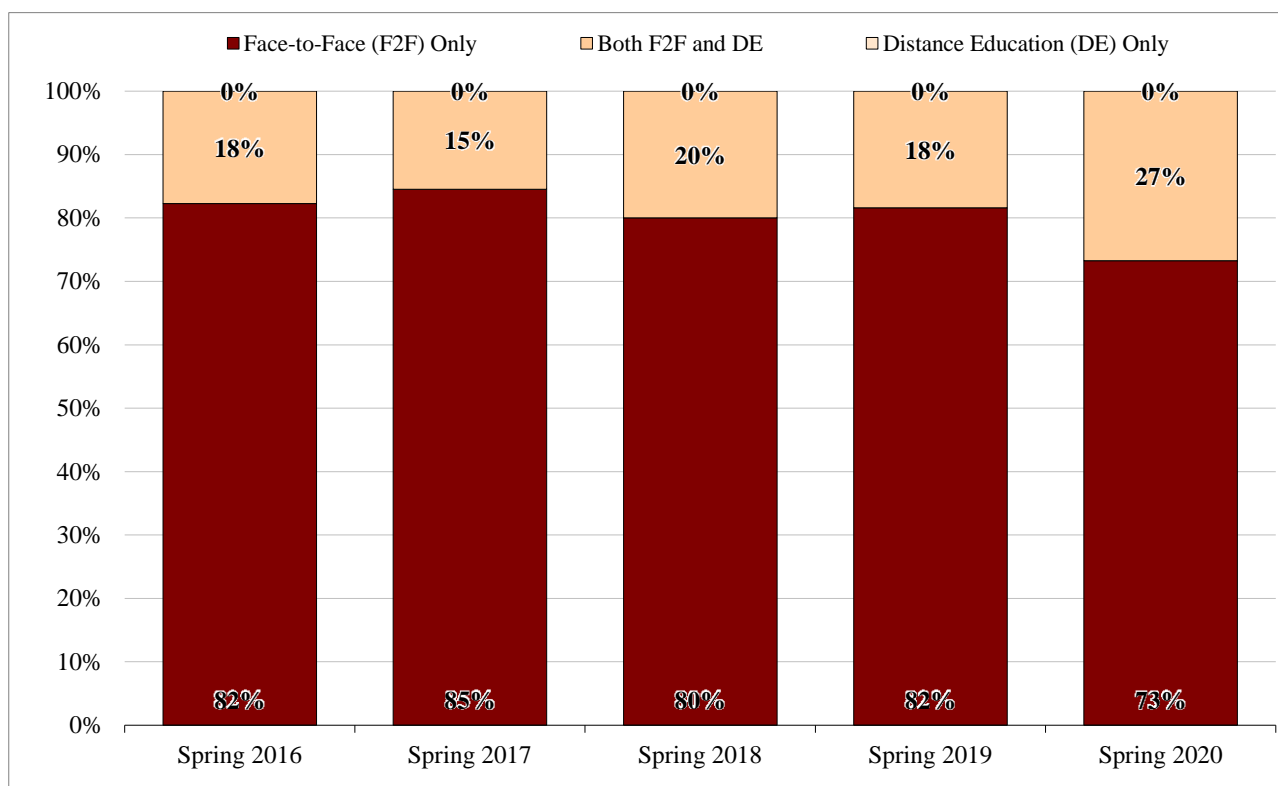
Student Unit Load

Physics (PHYS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Full-Time (15+ units)	77	59	63	62	96
Full-Time (12 - 14.5)	62	60	65	76	71
Part-Time (6 - 11.5)	43	41	33	36	57
Part-Time (0.5 - 5.5)	10	21	19	11	4
Non-Credit Only	0	0	0	0	0
% Full-Time (15+ units)	40%	33%	35%	34%	42%
% Full-Time (12 - 14.5)	32%	33%	36%	41%	31%
% Part-Time (6 - 11.5)	22%	23%	18%	19%	25%
% Part-Time (0.5 - 5.5)	5%	12%	11%	6%	2%
% Non-Credit Only	0%	0%	0%	0%	0%



Students Using Distance Education

Physics (PHYS)					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Face-to-Face (F2F) Only	158	153	144	151	167
Both F2F and DE	34	28	36	34	61
Distance Education (DE) Only	0	0	0	0	0
% Face-to-Face (F2F) Only	82%	85%	80%	82%	73%
% Both F2F and DE	18%	15%	20%	18%	27%
% Distance Education (DE) Only	0%	0%	0%	0%	0%

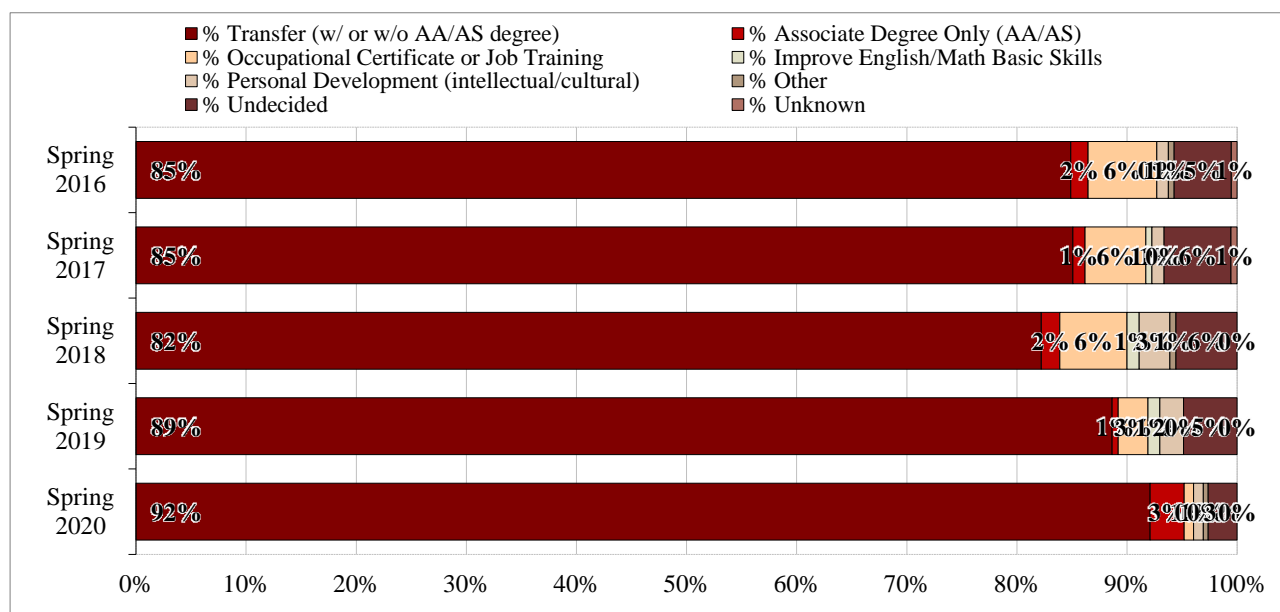


Definitions:

Distance Education (DE) includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'.

Student Educational Goal

Physics (PHYS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Transfer (w/ or w/o AA/AS degree)	163	154	148	164	210
Associate Degree Only (AA/AS)	3	2	3	1	7
Occupational Certificate or Job Training	12	10	11	5	2
Improve English/Math Basic Skills	0	1	2	2	0
Personal Development (intellectual/cultural)	2	2	5	4	2
Other	1	0	1	0	1
Undecided	10	11	10	9	6
Unknown	1	1	0	0	0
% Transfer (w/ or w/o AA/AS degree)	85%	85%	82%	89%	92%
% Associate Degree Only (AA/AS)	2%	1%	2%	1%	3%
% Occupational Certificate or Job Training	6%	6%	6%	3%	1%
% Improve English/Math Basic Skills	0%	1%	1%	1%	0%
% Personal Development (intellectual/cultural)	1%	1%	3%	2%	1%
% Other	1%	0%	1%	0%	<1%
% Undecided	5%	6%	6%	5%	3%
% Unknown	1%	1%	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.

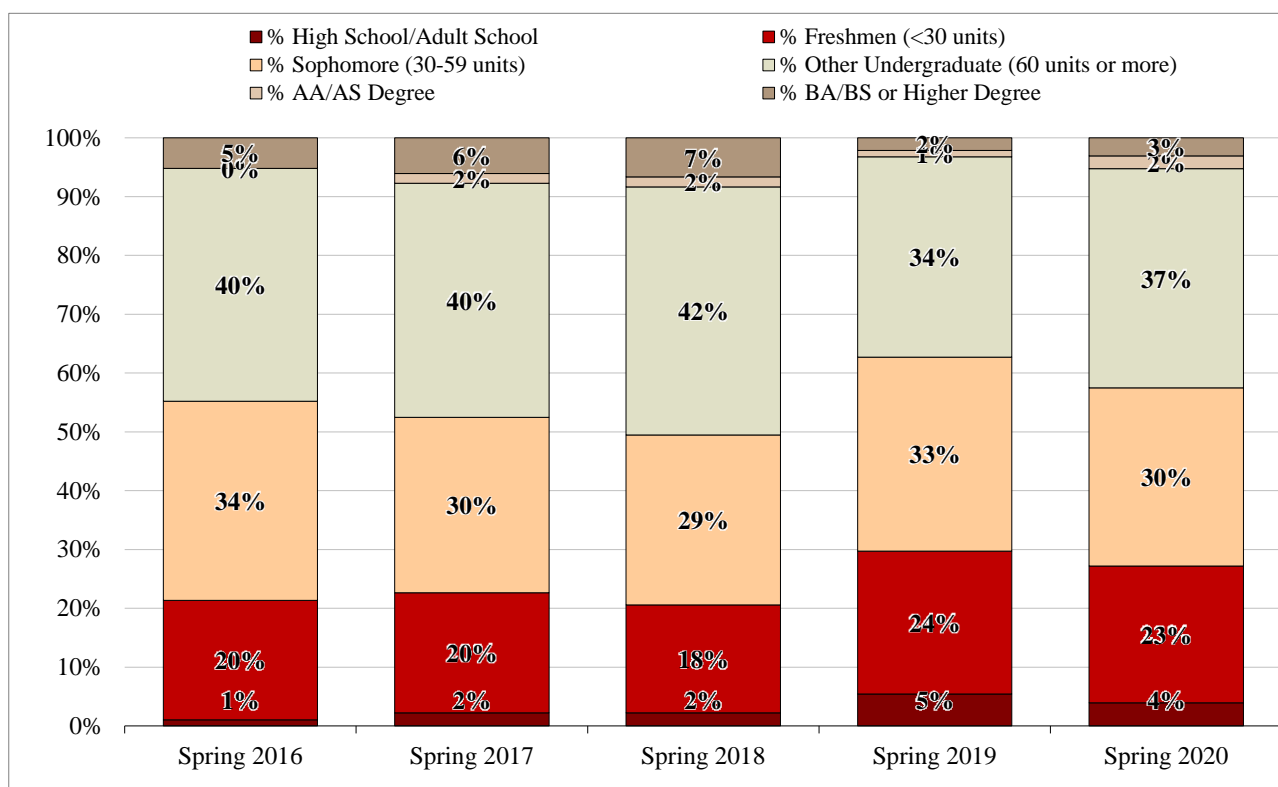
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

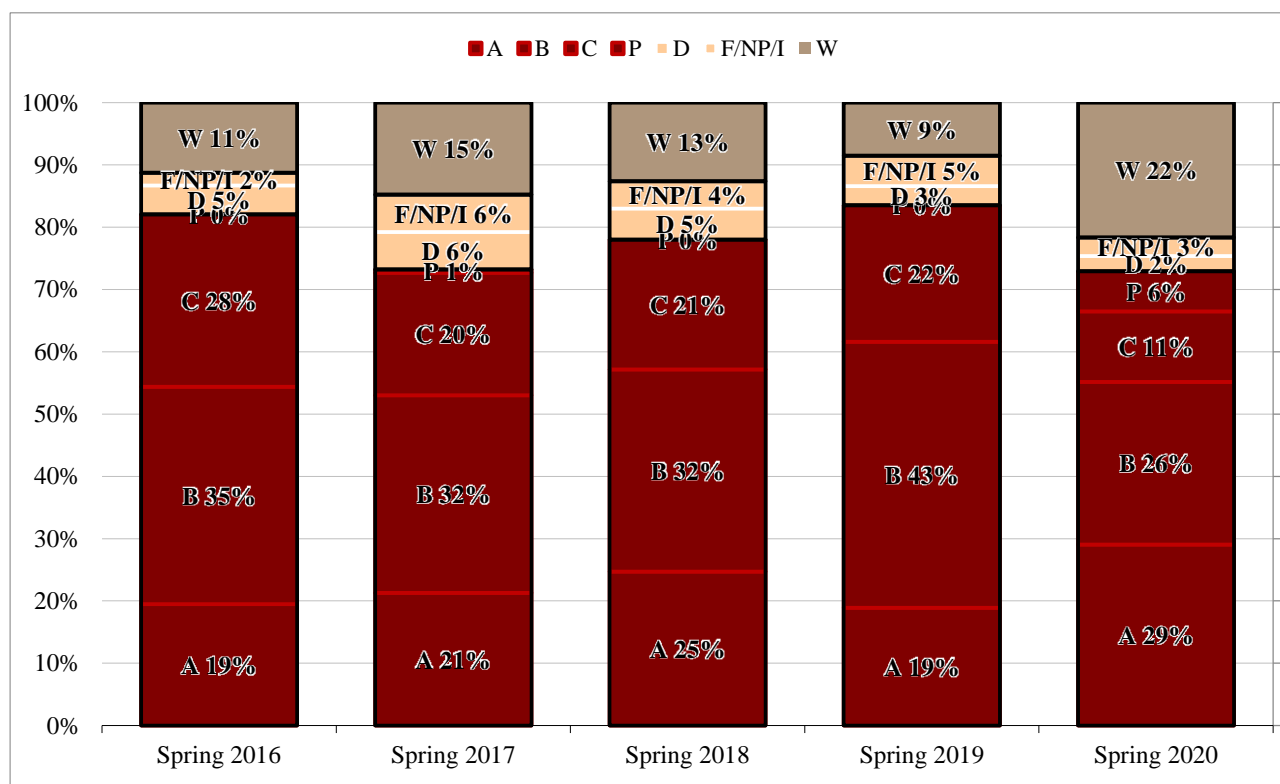
Highest Educational Level of Students

Physics (PHYS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
High School/Adult School	2	4	4	10	9
Freshmen (<30 units)	39	37	33	45	53
Sophomore (30-59 units)	65	54	52	61	69
Other Undergraduate (60 units or more)	76	72	76	63	85
AA/AS Degree	0	3	3	2	5
BA/BS or Higher Degree	10	11	12	4	7
% High School/Adult School	1%	2%	2%	5%	4%
% Freshmen (<30 units)	20%	20%	18%	24%	23%
% Sophomore (30-59 units)	34%	30%	29%	33%	30%
% Other Undergraduate (60 units or more)	40%	40%	42%	34%	37%
% AA/AS Degree	0%	2%	2%	1%	2%
% BA/BS or Higher Degree	5%	6%	7%	2%	3%



Student Performance: Grade Distribution

Physics (PHYS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Total Course Enrollments	195	183	182	190	231
Course Success Rates	82%	73%	78%	84%	73%
A	19%	21%	25%	19%	29%
B	35%	32%	32%	43%	26%
C	28%	20%	21%	22%	11%
P	0%	1%	0%	0%	6%
Course Non-Success Rate	7%	12%	9%	8%	5%
D	5%	6%	5%	3%	2%
F/NP/I	2%	6%	4%	5%	3%
Withdrawals (W)	11%	15%	13%	9%	22%



Definitions:

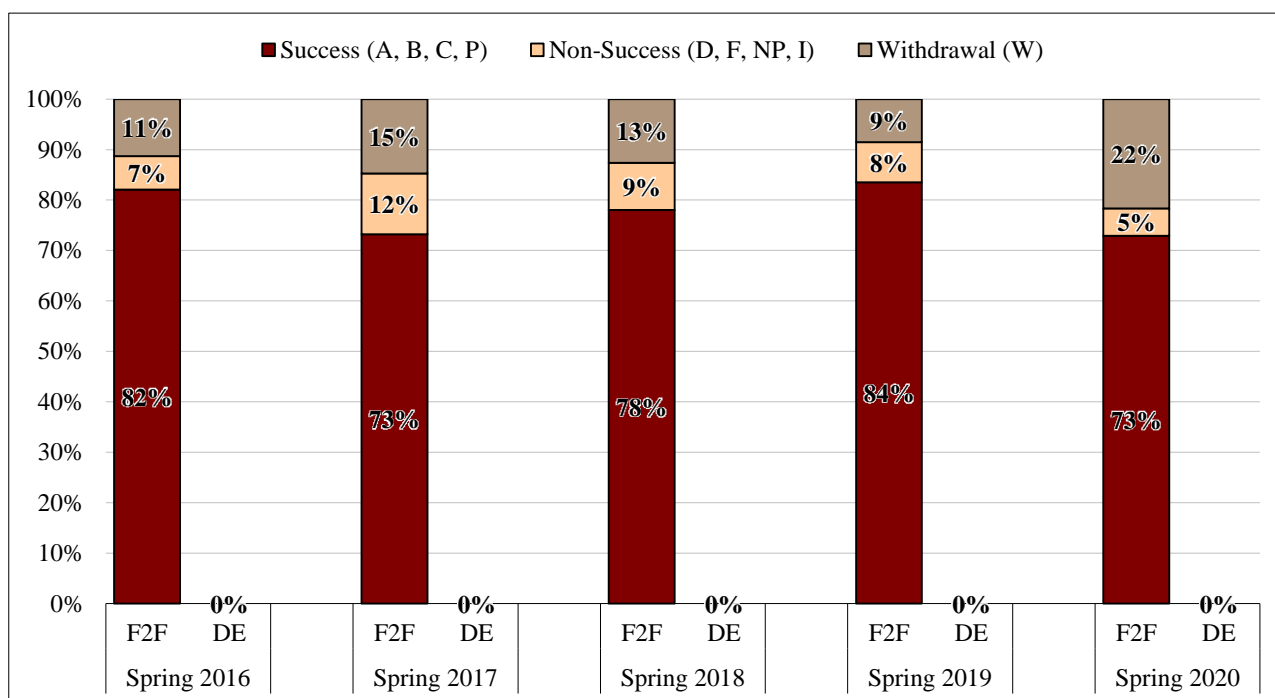
Course Success Rate is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

Course Non-Success Rate is the percentage of students receiving a grade of ('D', 'F', 'NP' or 'I') relative to all students receiving a grade.

Withdrawals is the percentage of students receiving a grade notation of 'W' relative to all students receiving a grade.

Student Performance: Distance Education

Physics (PHYS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
Total Course Enrollments	195	183	182	190	231
Face-to-Face (F2F) Sections	195	183	182	190	231
Success Rates	82%	73%	78%	84%	73%
Non-Success Rates	7%	12%	9%	8%	5%
Withdrawals	11%	15%	13%	9%	22%
Distance Education (DE) Sections	—	—	—	—	—
Success Rates	—	—	—	—	—
Non-Success Rates	—	—	—	—	—
Withdrawals	—	—	—	—	—



Definitions:

Course Success Rate is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

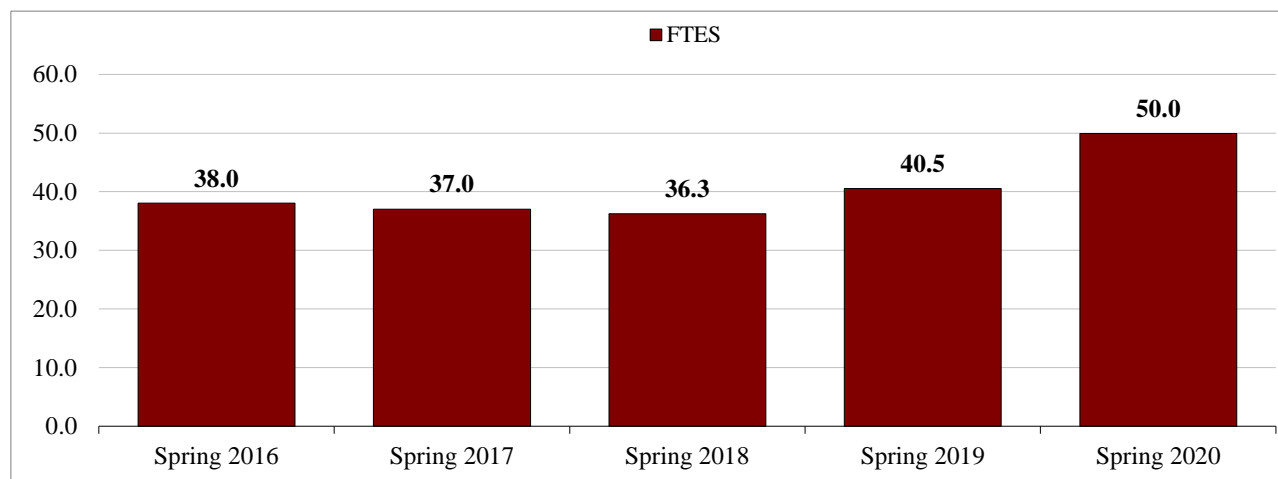
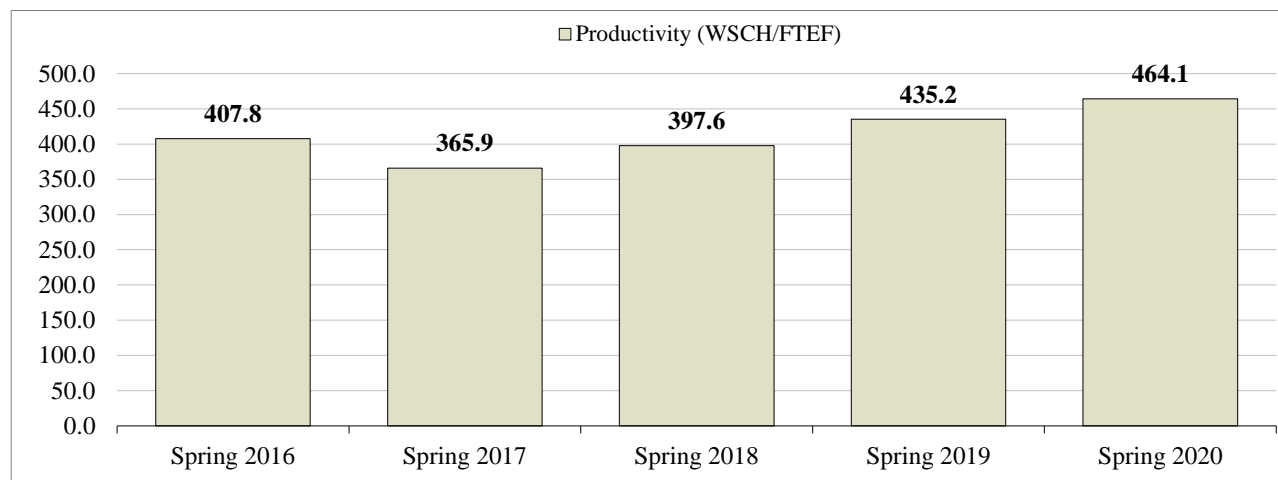
Course Non-Success Rate is the percentage of students receiving a grade of ('D', 'F', 'NP' or 'T') relative to all students receiving a grade.

Withdrawals is the percentage of students receiving a grade notation of 'W' relative to all students receiving a grade.

Distance Education (DE) includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'.

Enrollment Management: Part 1

	Physics (PHYS)				
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
WSCH	1,216	1,155	1,116	1,287	1,577
FTEF	38.0	37.0	36.3	40.5	50.0
FTEF	3.0	3.2	2.8	3.0	3.4
Productivity (WSCH/FTEF)	407.8	365.9	397.6	435.2	464.1



Definitions:

WSCH is the total Weekly Student Contact Hours resulting from all enrollment within the discipline.

FTEF is the total Full Time Equivalent Student value resulting from all enrollment within the discipline.

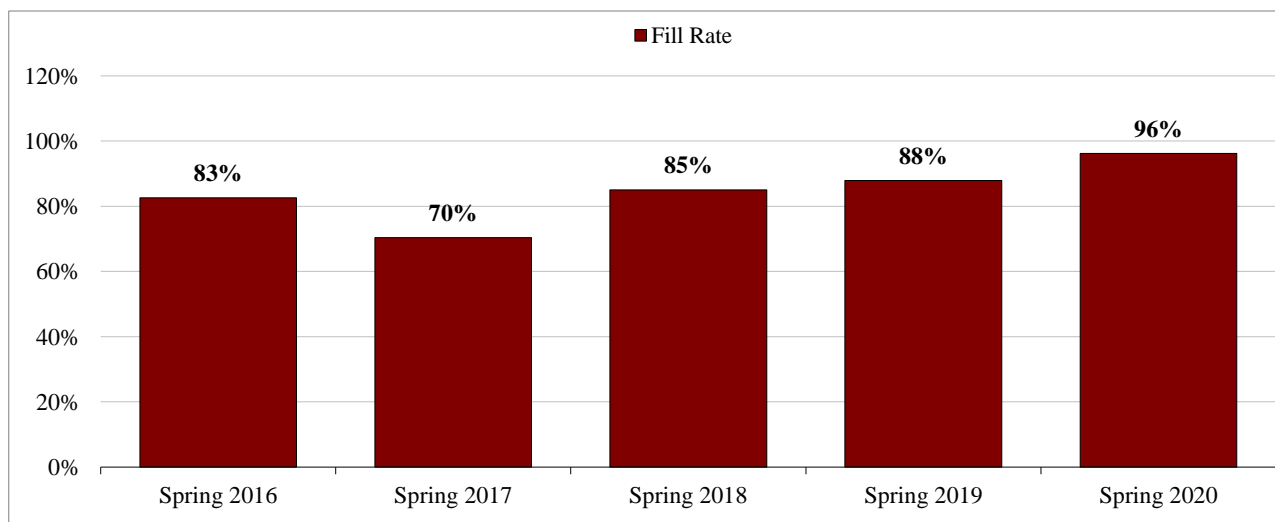
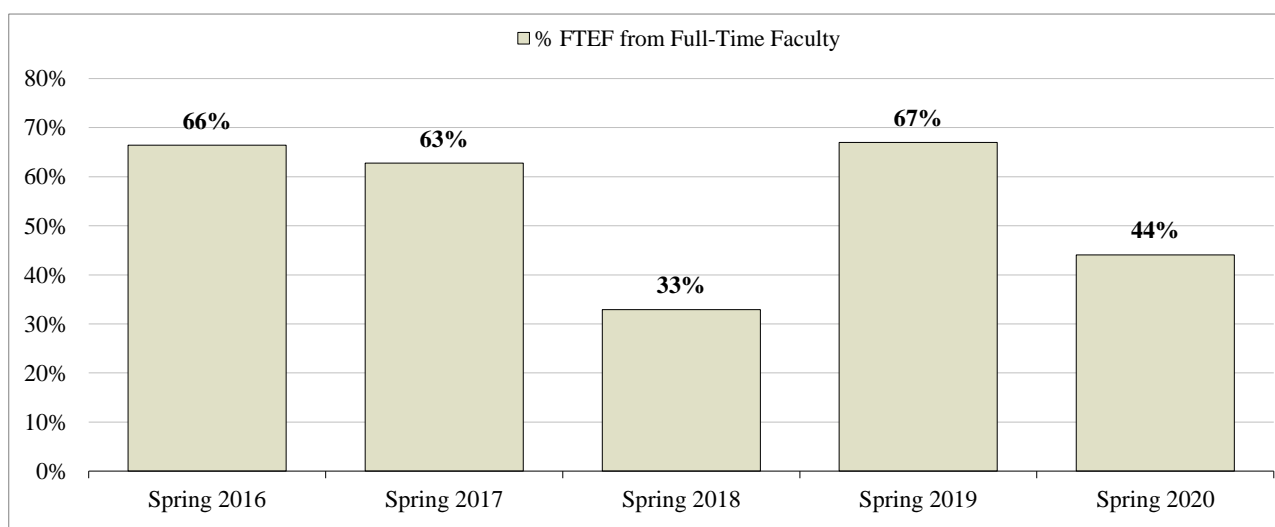
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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 7/14/20.

Enrollment Management: Part 2

Physics (PHYS)					
	Term				
	Spring 2016	Spring 2017	Spring 2018	Spring 2019	Spring 2020
FTEF from Full-Time Faculty	2.0	2.0	0.9	2.0	1.5
% FTEF from Full-Time Faculty	66%	63%	33%	67%	44%
Enrollments	195	183	182	190	231
Capacity (seats available)	236	260	214	216	240
Fill Rate	83%	70%	85%	88%	96%



Definitions:

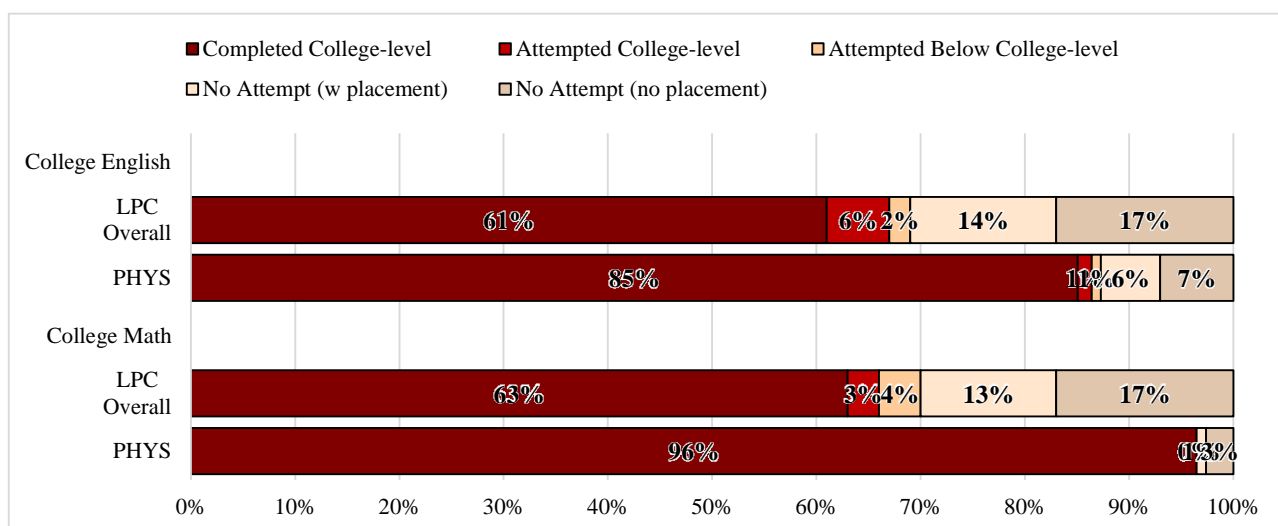
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 7/14/20.

College Readiness: English & Math Proficiency

	Spring 2020			
	PHYS		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	194	85%	5,254	61%
Attempted College-level	3	1%	502	6%
Attempted Below College-level	2	1%	179	2%
No Attempt (with placement)	13	6%	1,175	14%
No Attempt (no placement)	16	7%	1,480	17%
College Math				
Completed College-level	220	96%	5,383	63%
Attempted College-level	0	0%	274	3%
Attempted Below College-level	0	0%	366	4%
No Attempt (with placement)	2	1%	1,134	13%
No Attempt (no placement)	6	3%	1,433	17%



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

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

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