



Las Positas College

**Discipline Program Review Data Packet**

Spring 2018 to Spring 2022

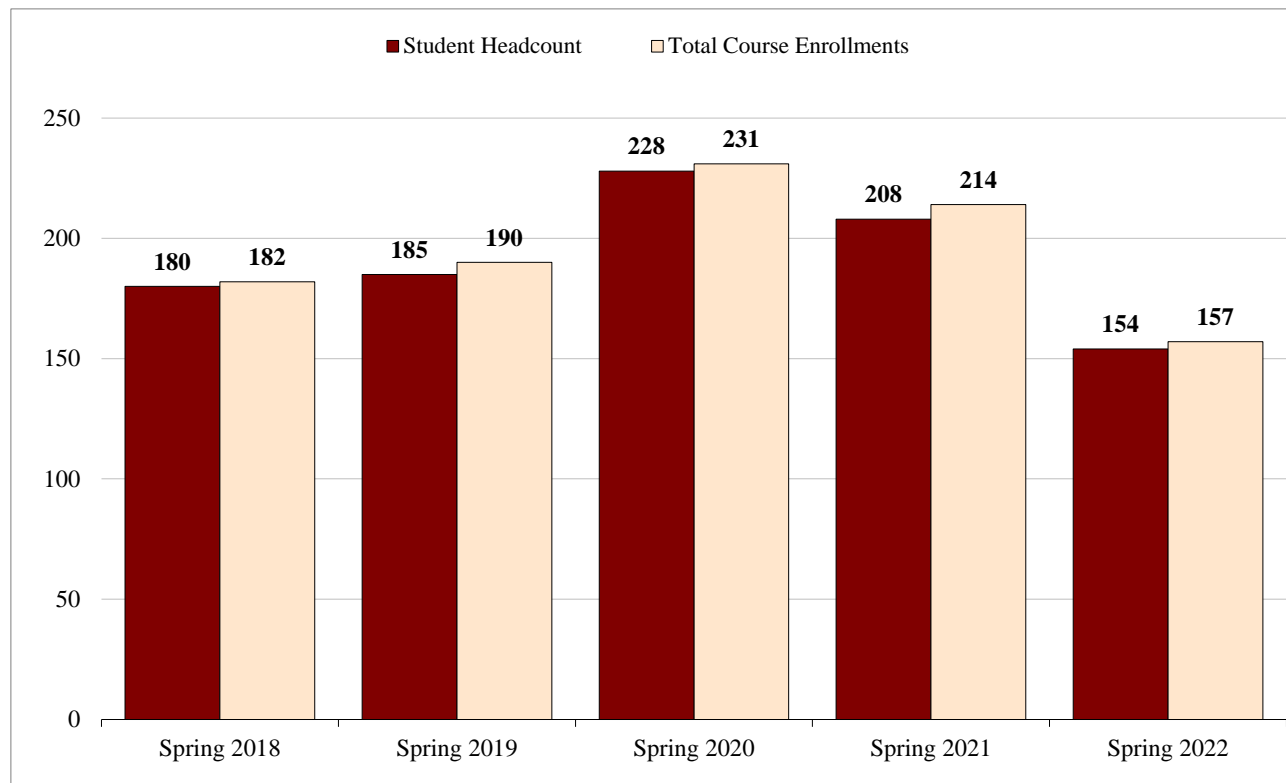
Discipline:

**Physics (PHYS)**

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## Headcount & Enrollment

Physics ( PHYS )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Student Headcount	180	185	228	208	154
Total Course Enrollments	182	190	231	214	157



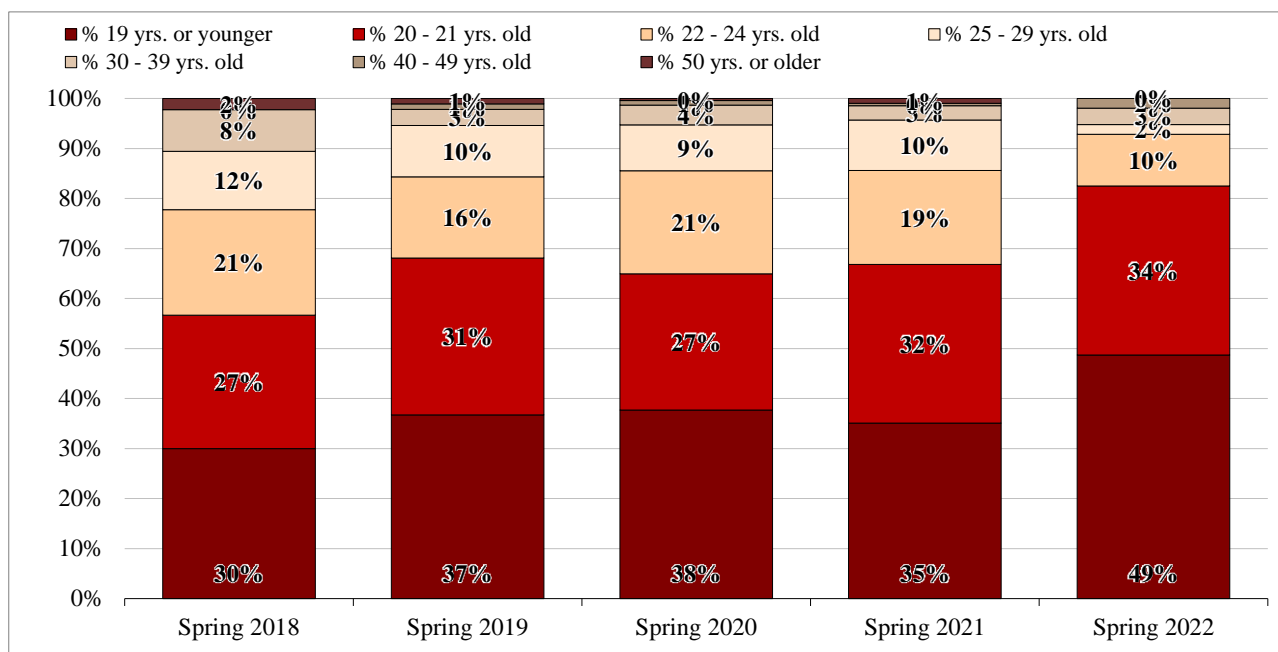
**Definitions:**

**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.

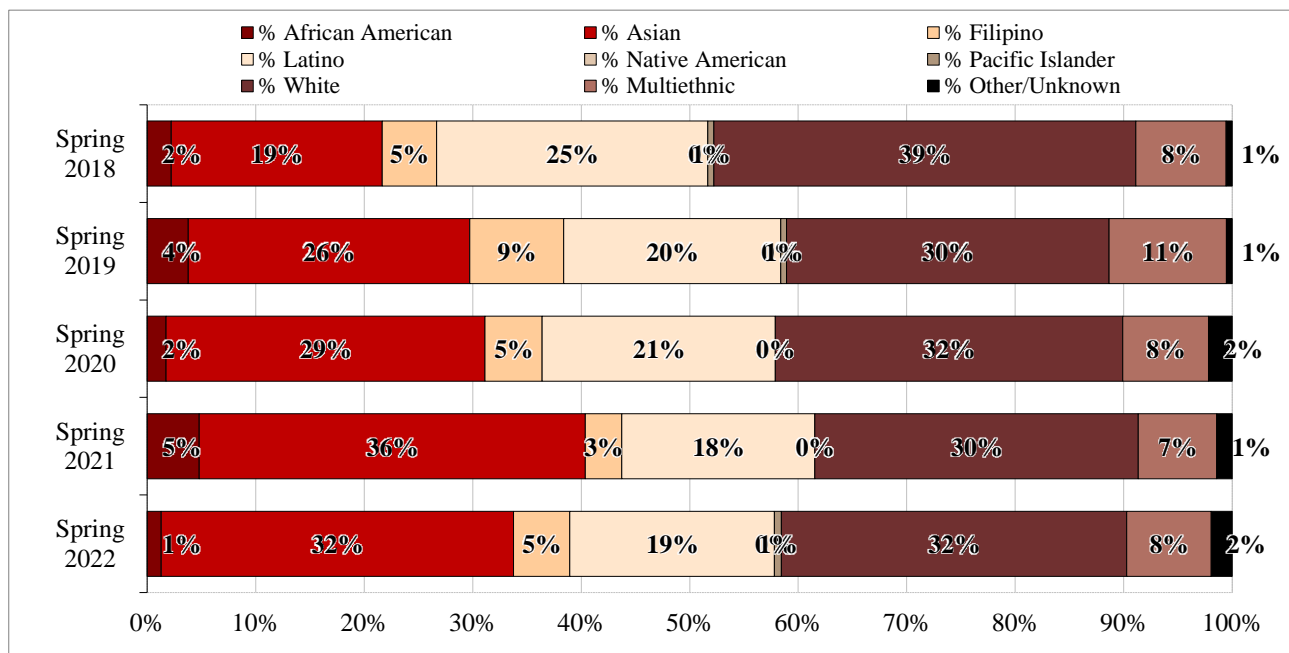
## Student Demographics: Gender & Age

Physics ( PHYS )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Female	51	43	59	58	50
Male	127	139	164	144	102
19 yrs. or younger	54	68	86	73	75
20-21 yrs. old	48	58	62	66	52
22-24 yrs. old	38	30	47	39	16
25-29 yrs. old	21	19	21	21	3
30-39 yrs. old	15	6	9	6	5
40-49 yrs. old	0	2	2	1	3
50 yrs. or older	4	2	1	2	0
% Female	29%	24%	26%	29%	33%
% Male	71%	76%	74%	71%	67%
% 19 yrs. or younger	30%	37%	38%	35%	49%
% 20 - 21 yrs. old	27%	31%	27%	32%	34%
% 22 - 24 yrs. old	21%	16%	21%	19%	10%
% 25 - 29 yrs. old	12%	10%	9%	10%	2%
% 30 - 39 yrs. old	8%	3%	4%	3%	3%
% 40 - 49 yrs. old	0%	1%	1%	<1%	2%
% 50 yrs. or older	2%	1%	<1%	1%	0%



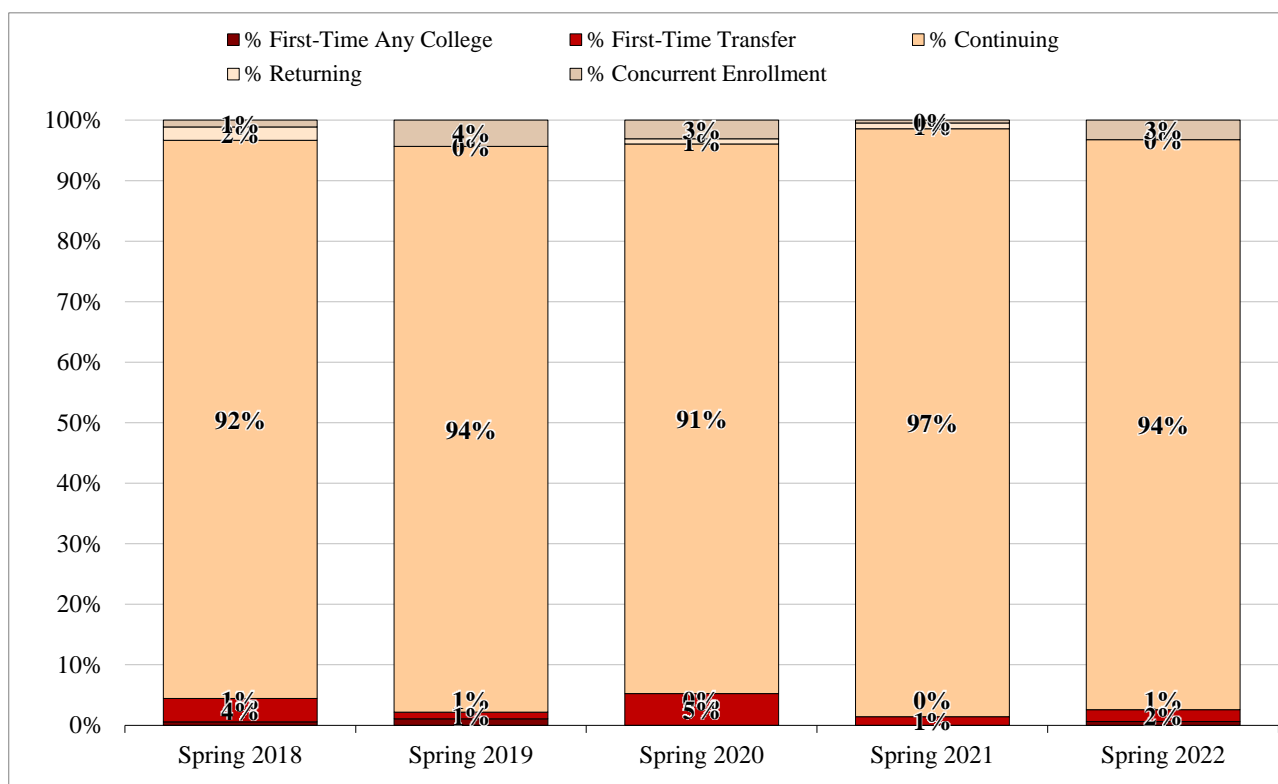
### Student Demographic: Race-Ethnicity

Physics ( PHYS )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
African American	4	7	4	10	2
Asian	35	48	67	74	50
Filipino	9	16	12	7	8
Latino	45	37	49	37	29
Native American	0	0	0	0	0
Pacific Islander	1	1	0	0	1
White	70	55	73	62	49
Multiethnic	15	20	18	15	12
Other/Unknown	1	1	5	3	3
% African American	2%	4%	2%	5%	1%
% Asian	19%	26%	29%	36%	32%
% Filipino	5%	9%	5%	3%	5%
% Latino	25%	20%	21%	18%	19%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	1%	1%	0%	0%	1%
% White	39%	30%	32%	30%	32%
% Multiethnic	8%	11%	8%	7%	8%
% Other/Unknown	1%	1%	2%	1%	2%



## Student Enrollment Status

Physics ( PHYS )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
First-Time Any College	1	2	0	0	1
First-Time Transfer	7	2	12	3	3
Continuing	166	173	207	202	145
Returning	4	0	2	2	0
Concurrent Enrollment	2	8	7	1	5
% First-Time Any College	1%	1%	0%	0%	1%
% First-Time Transfer	4%	1%	5%	1%	2%
% Continuing	92%	94%	91%	97%	94%
% Returning	2%	0%	1%	1%	0%
% Concurrent Enrollment	1%	4%	3%	<1%	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.

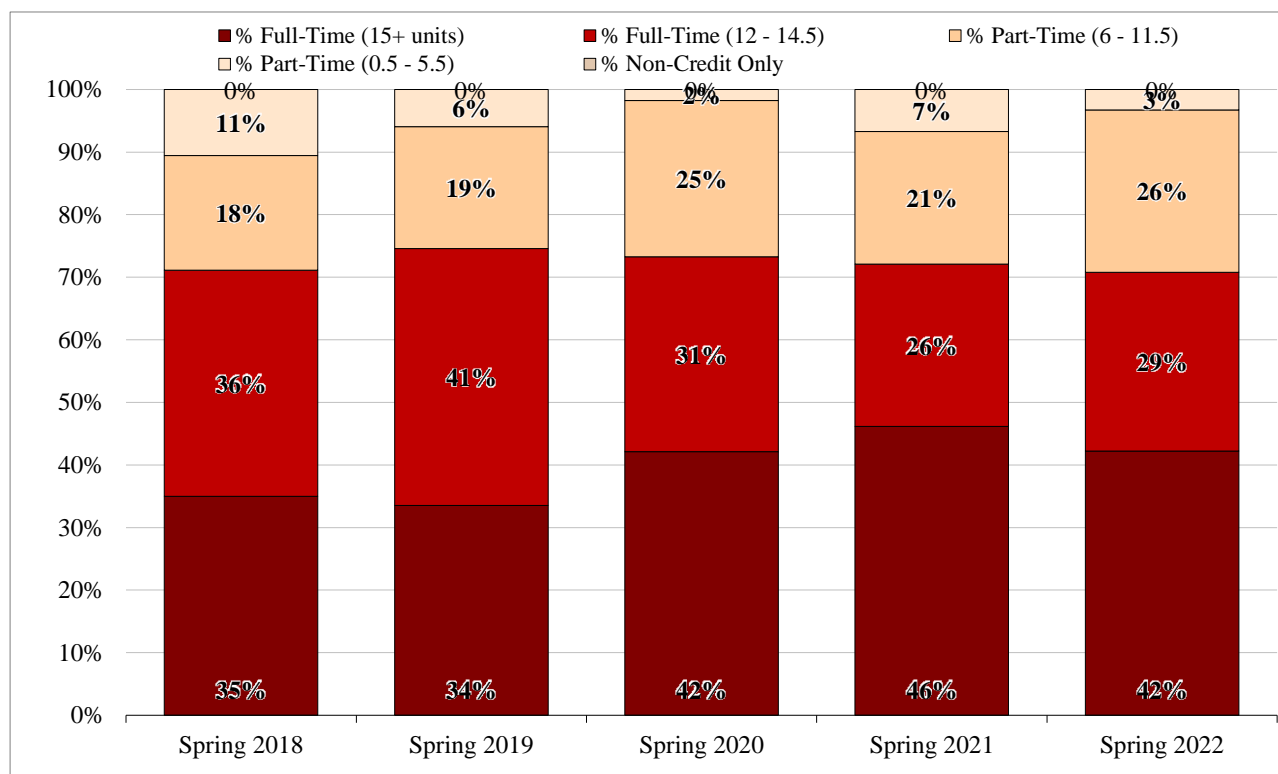
**Continuing:** Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

**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.

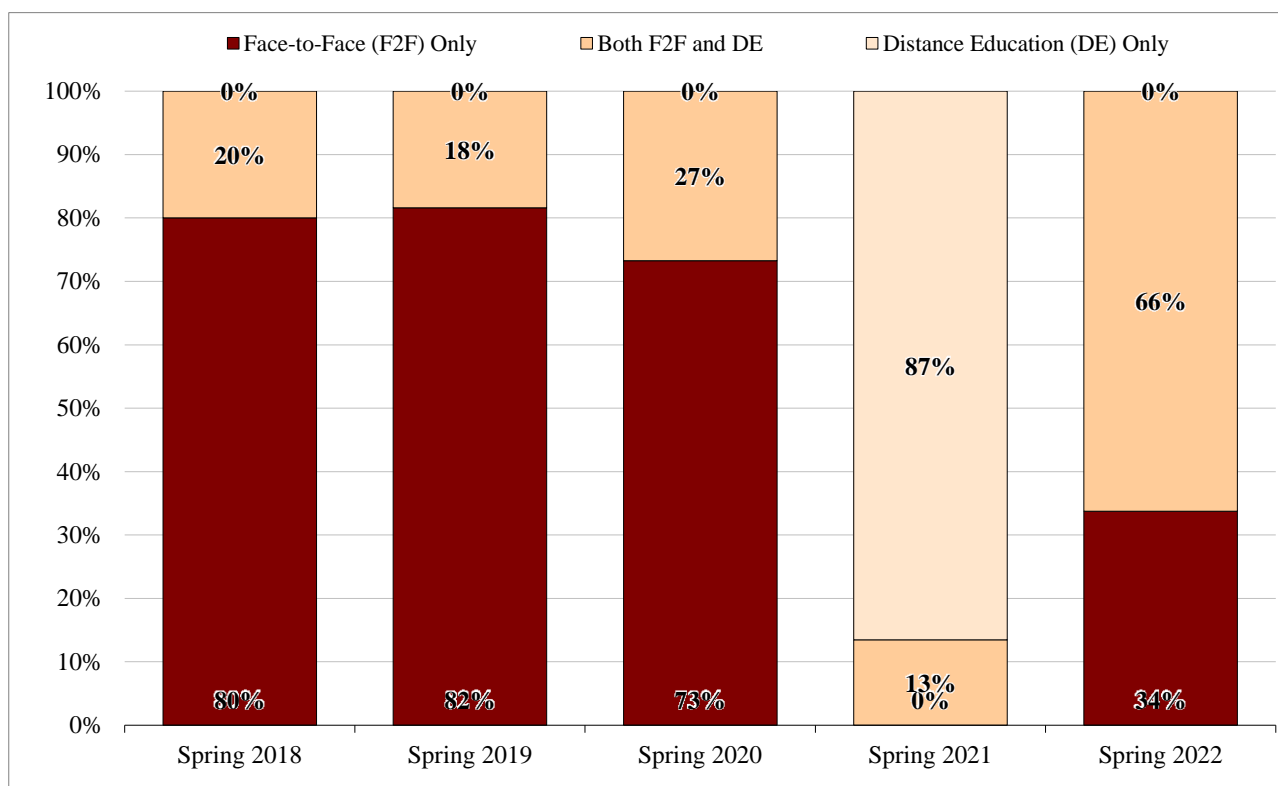
## Student Unit Load

Physics ( PHYS )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Full-Time (15+ units)	63	62	96	96	65
Full-Time (12 - 14.5)	65	76	71	54	44
Part-Time (6 - 11.5)	33	36	57	44	40
Part-Time (0.5 - 5.5)	19	11	4	14	5
Non-Credit Only	0	0	0	0	0
% Full-Time (15+ units)	35%	34%	42%	46%	42%
% Full-Time (12 - 14.5)	36%	41%	31%	26%	29%
% Part-Time (6 - 11.5)	18%	19%	25%	21%	26%
% Part-Time (0.5 - 5.5)	11%	6%	2%	7%	3%
% Non-Credit Only	0%	0%	0%	0%	0%



## Students Using Distance Education

Physics ( PHYS )					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Face-to-Face (F2F) Only	144	151	167	0	52
Both F2F and DE	36	34	61	28	102
Distance Education (DE) Only	0	0	0	180	0
% Face-to-Face (F2F) Only	80%	82%	73%	0%	34%
% Both F2F and DE	20%	18%	27%	13%	66%
% Distance Education (DE) Only	0%	0%	0%	87%	0%



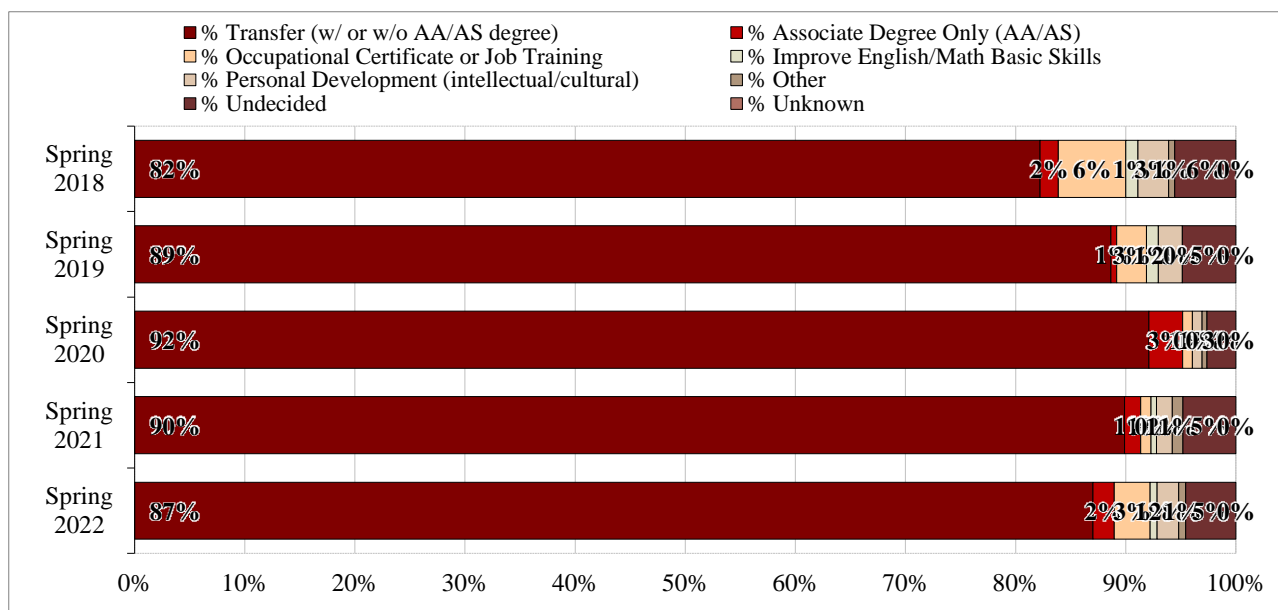
### Definitions:

**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				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Transfer (w/ or w/o AA/AS degree)	148	164	210	187	134
Associate Degree Only (AA/AS)	3	1	7	3	3
Occupational Certificate or Job Training	11	5	2	2	5
Improve English/Math Basic Skills	2	2	0	1	1
Personal Development (intellectual/cultural)	5	4	2	3	3
Other	1	0	1	2	1
Undecided	10	9	6	10	7
Unknown	0	0	0	0	0
% Transfer (w/ or w/o AA/AS degree)	82%	89%	92%	90%	87%
% Associate Degree Only (AA/AS)	2%	1%	3%	1%	2%
% Occupational Certificate or Job Training	6%	3%	1%	1%	3%
% Improve English/Math Basic Skills	1%	1%	0%	<1%	1%
% Personal Development (intellectual/cultural)	3%	2%	1%	1%	2%
% Other	1%	0%	<1%	1%	1%
% Undecided	6%	5%	3%	5%	5%
% Unknown	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.

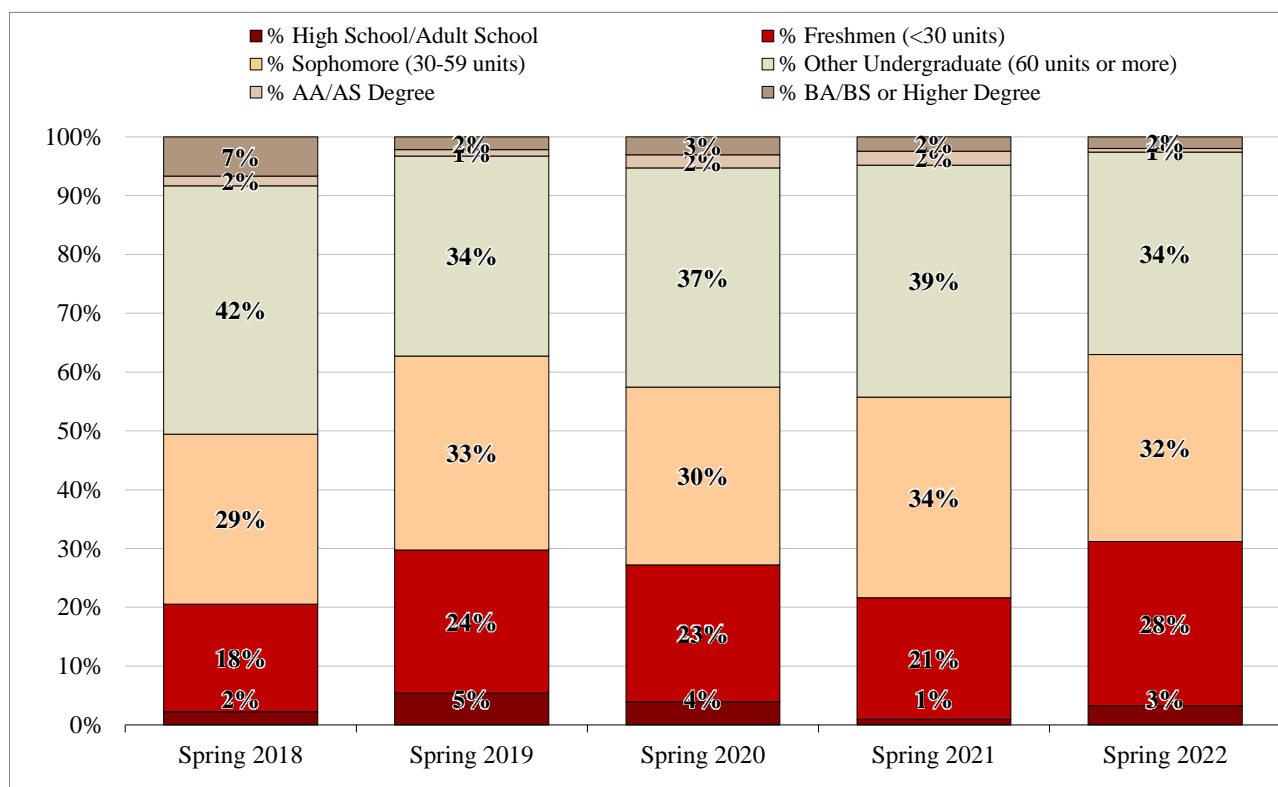
**Personal Development:** Students taking courses for intellectual and/or cultural development.

**Other:** Students completing diploma/GED requirements or moving from non-credit to credit courses. Data from admission application.



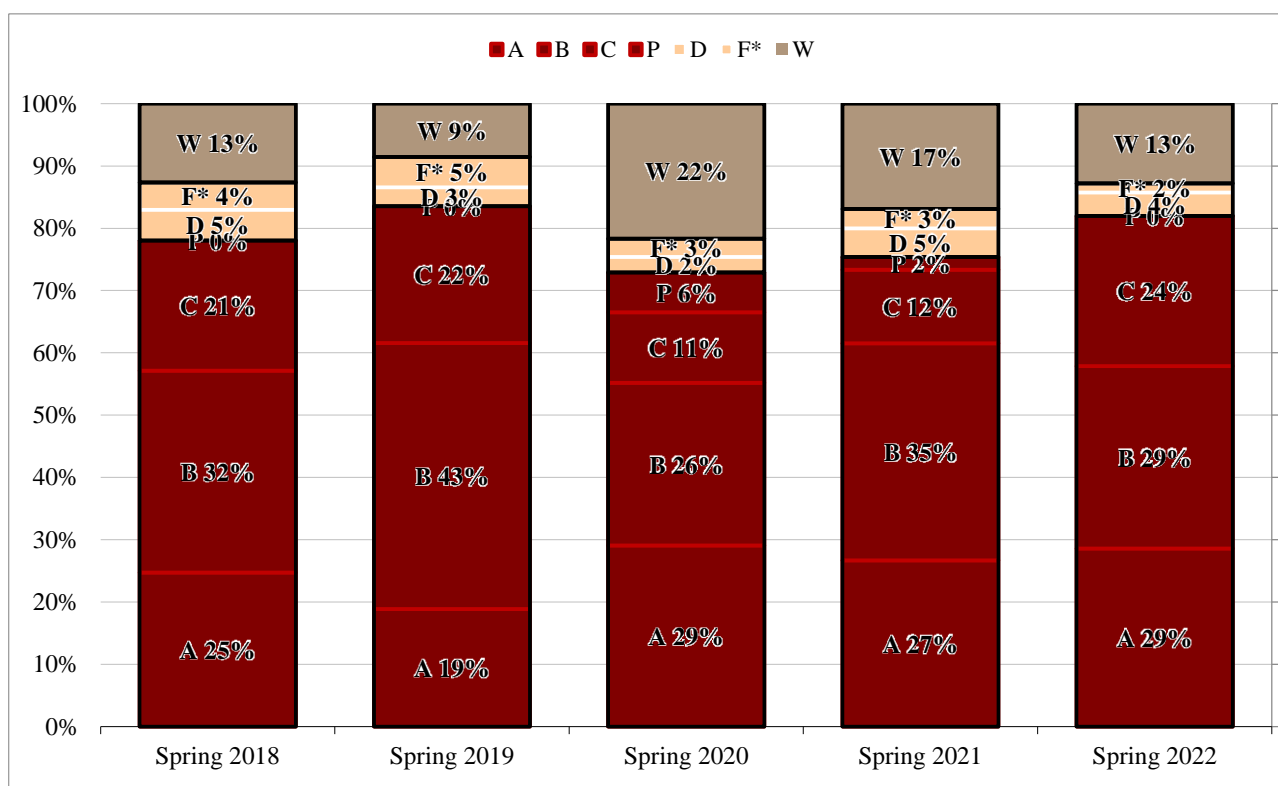
## Highest Educational Level of Students

Physics ( PHYS )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
High School/Adult School	4	10	9	2	5
Freshmen (<30 units)	33	45	53	43	43
Sophomore (30-59 units)	52	61	69	71	49
Other Undergraduate (60 units or more)	76	63	85	82	53
AA/AS Degree	3	2	5	5	1
BA/BS or Higher Degree	12	4	7	5	3
% High School/Adult School	2%	5%	4%	1%	3%
% Freshmen (<30 units)	18%	24%	23%	21%	28%
% Sophomore (30-59 units)	29%	33%	30%	34%	32%
% Other Undergraduate (60 units or more)	42%	34%	37%	39%	34%
% AA/AS Degree	2%	1%	2%	2%	1%
% BA/BS or Higher Degree	7%	2%	3%	2%	2%



## Student Performance: Grade Distribution

Physics ( PHYS )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
<b>Total Course Enrollments</b>	<b>182</b>	<b>190</b>	<b>231</b>	<b>214</b>	<b>157</b>
<b>Course Success Rates</b>	<b>78%</b>	<b>84%</b>	<b>73%</b>	<b>75%</b>	<b>82%</b>
A	25%	19%	29%	27%	29%
B	32%	43%	26%	35%	29%
C	21%	22%	11%	12%	24%
P	0%	0%	6%	2%	0%
<b>Course Non-Success Rate</b>	<b>9%</b>	<b>8%</b>	<b>5%</b>	<b>8%</b>	<b>5%</b>
D	5%	3%	2%	5%	4%
F*	4%	5%	3%	3%	2%
<b>Withdrawals (See Note)</b>	<b>13%</b>	<b>9%</b>	<b>22%</b>	<b>17%</b>	<b>13%</b>



### Definitions:

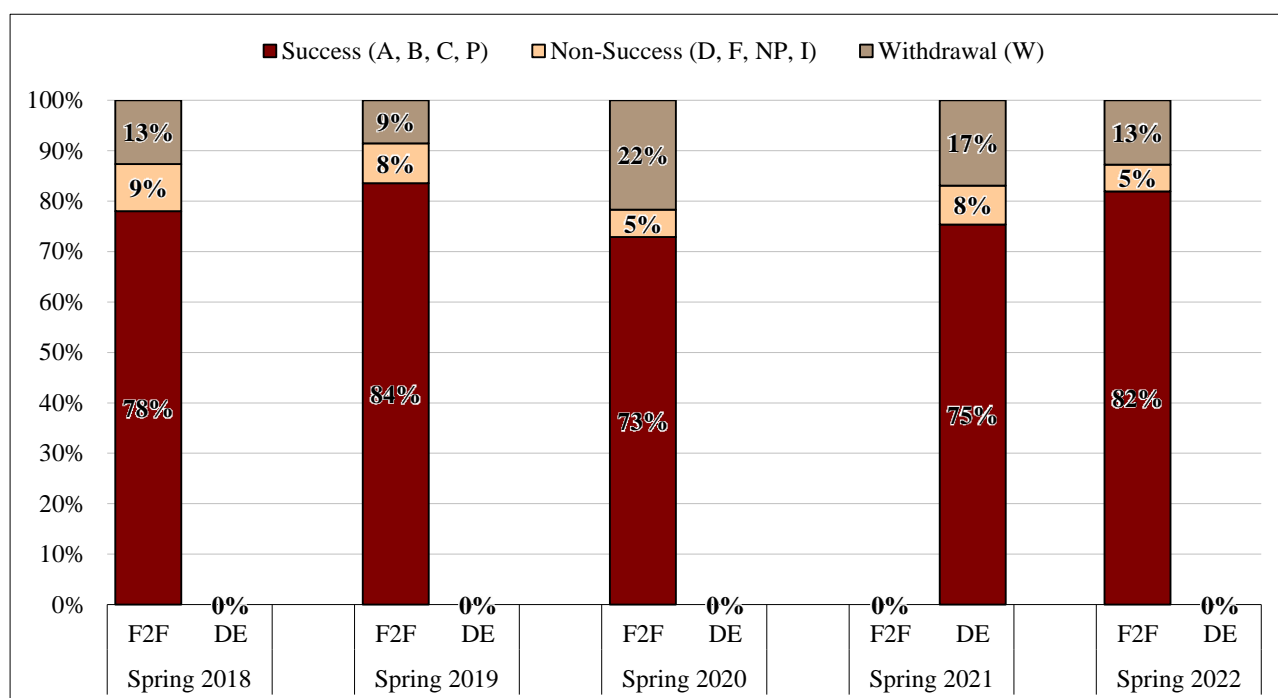
**Course Success Rate:** Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

**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				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
<b>Total Course Enrollments</b>	<b>182</b>	<b>190</b>	<b>231</b>	<b>214</b>	<b>157</b>
<b>Face-to-Face (F2F) Sections</b>	<b>182</b>	<b>190</b>	<b>231</b>	<b>0</b>	<b>157</b>
Success Rates	78%	84%	73%	—	82%
Non-Success Rates	9%	8%	5%	—	5%
Withdrawals	13%	9%	22%	—	13%
<b>Distance Education (DE) Sections</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>214</b>	<b>0</b>
Success Rates	—	—	—	75%	—
Non-Success Rates	—	—	—	8%	—
Withdrawals	—	—	—	17%	—



### Definitions:

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

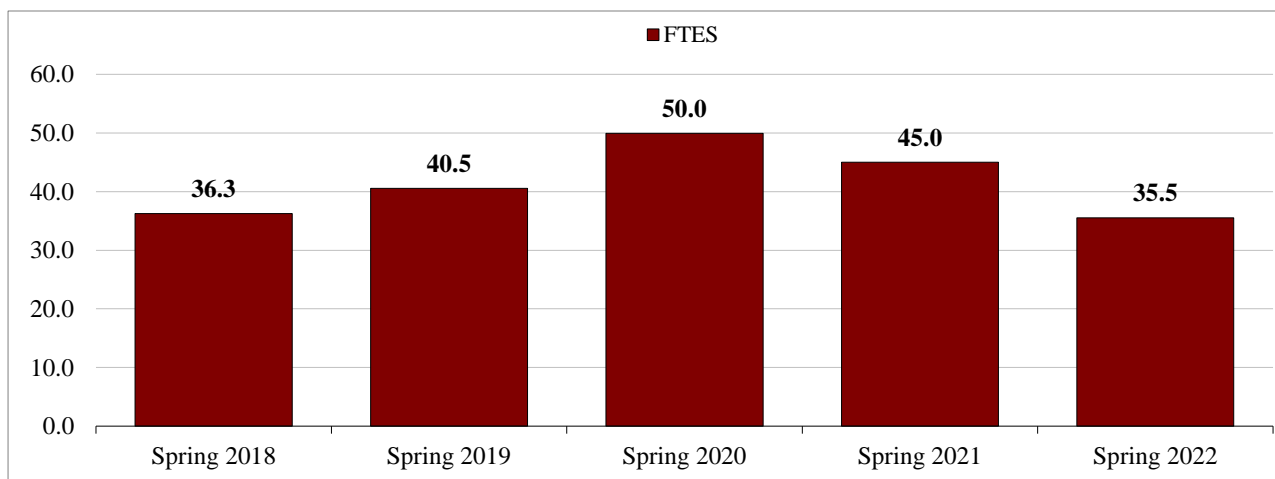
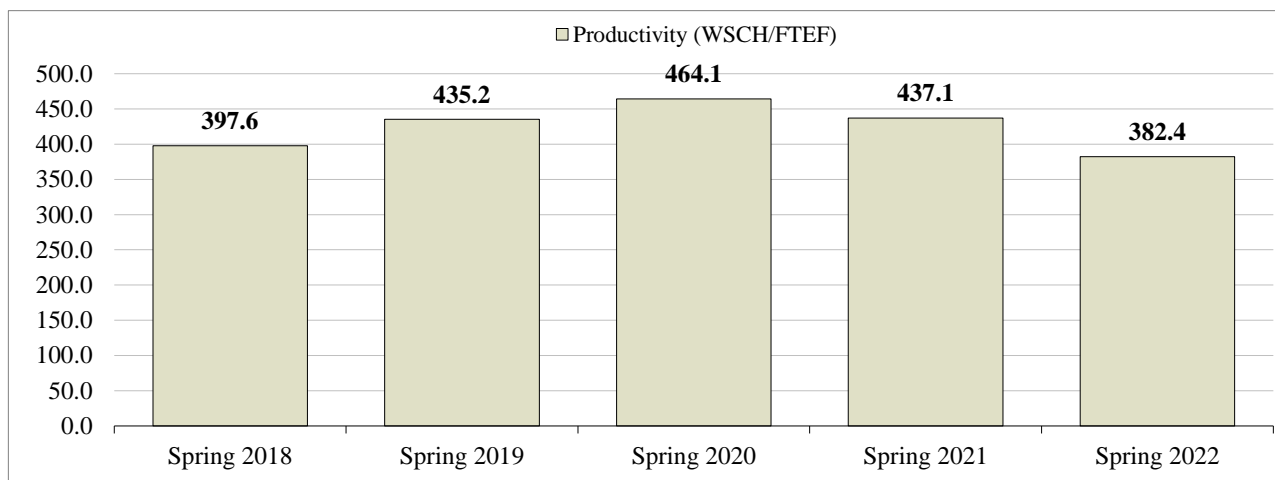
**Course Non-Success Rate:** Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

**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				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
WSCH	1,116	1,287	1,577	1,439	1,080
FTES	36.3	40.5	50.0	45.0	35.5
FTEF	2.8	3.0	3.4	3.3	2.8
Productivity (WSCH/FTEF)	397.6	435.2	464.1	437.1	382.4



### 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.

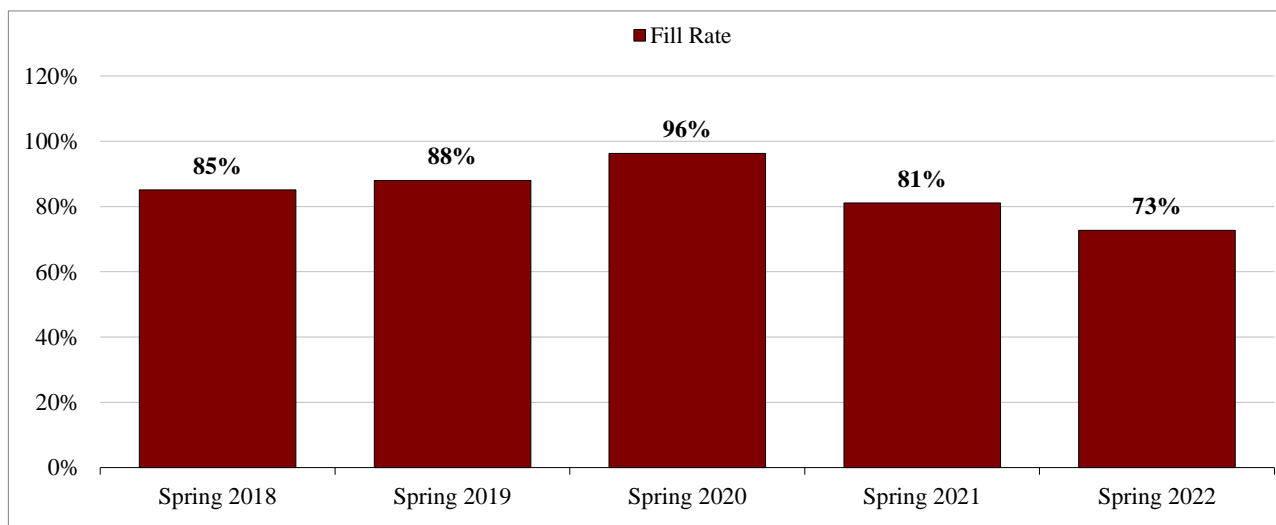
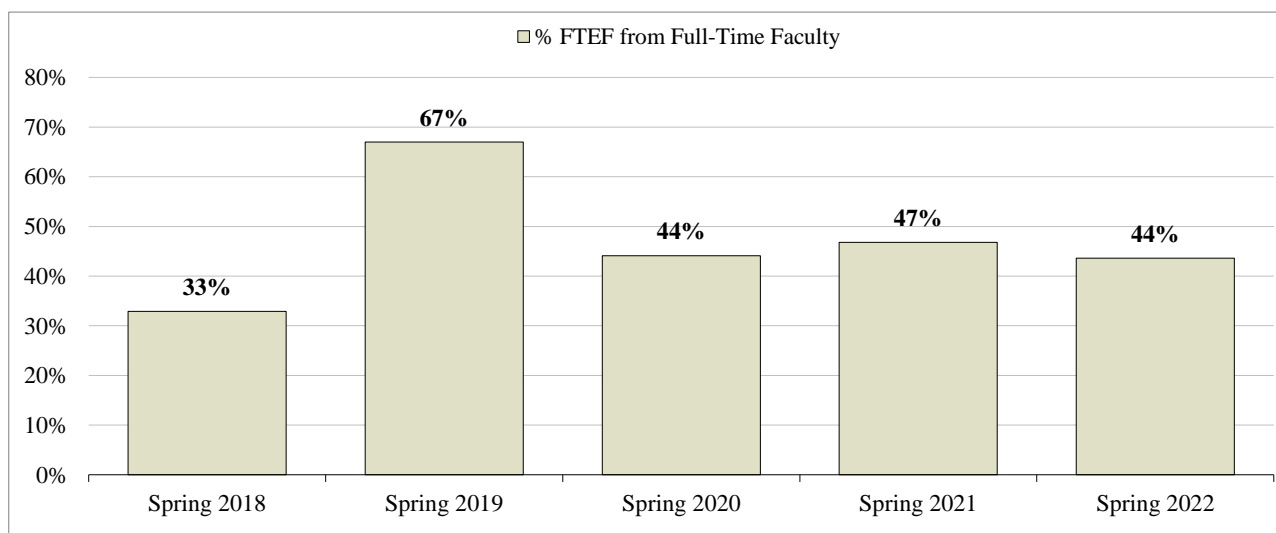
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

**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				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
FTEF from Full-Time Faculty	0.9	2.0	1.5	1.5	1.2
% FTEF from Full-Time Faculty	33%	67%	44%	47%	44%
Enrollments	182	190	231	214	157
Capacity (seats available)	214	216	240	264	216
Fill Rate	85%	88%	96%	81%	73%



**Definitions:**

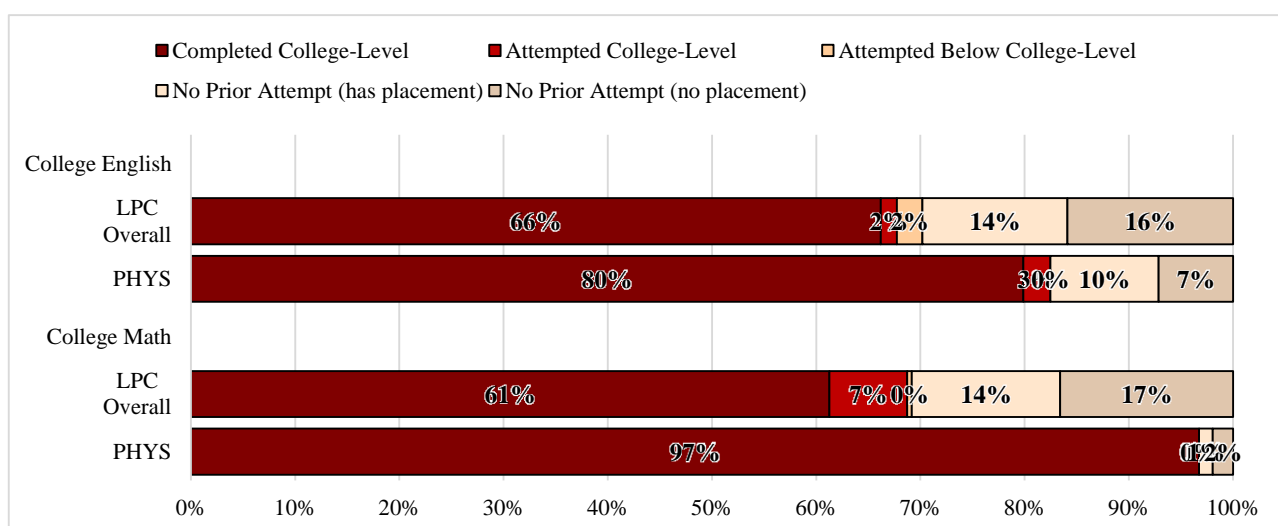
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% 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

	Spring 2022			
	PHYS		LPC Overall	
	Num	Pct	Num	Pct
<b>College English</b>				
Completed College-level	123	80%	4,022	61%
Attempted College-level	4	3%	490	7%
Attempted Below College-level	0	0%	30	0%
No Prior Attempt (has placement)	16	10%	934	14%
No Prior Attempt (no placement)	11	7%	1,089	17%
<b>College Math</b>				
Completed College-level	149	97%	4,345	66%
Attempted College-level	0	0%	103	2%
Attempted Below College-level	0	0%	160	2%
No Prior Attempt (has placement)	2	1%	914	14%
No Prior Attempt (no placement)	3	2%	1,043	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.