



Las Positas College
Discipline Program Review Data Packet
Spring 2017 to Spring 2021

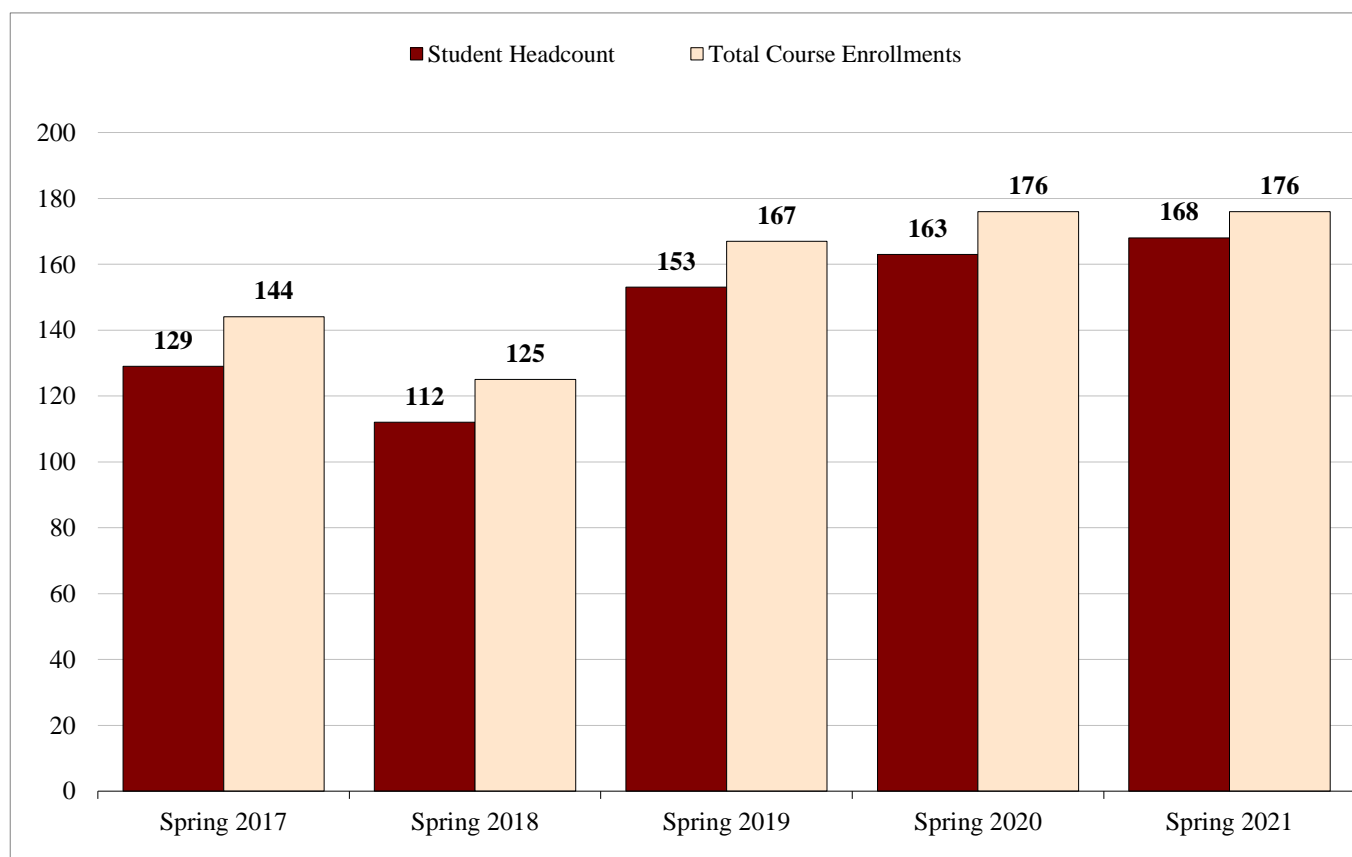
Discipline:

Astronomy (ASTR)

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Headcount & Enrollment

Astronomy (ASTR)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Student Headcount	129	112	153	163	168
Total Course Enrollments	144	125	167	176	176



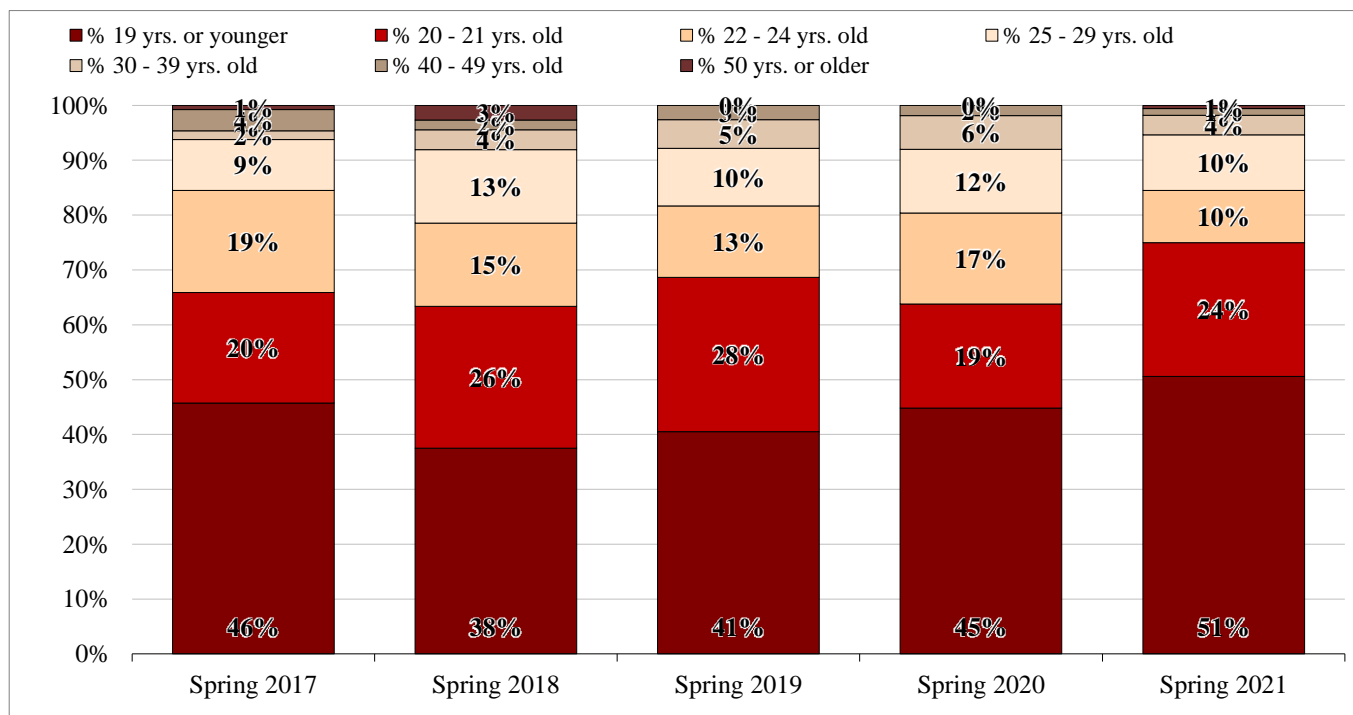
Definitions:

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.

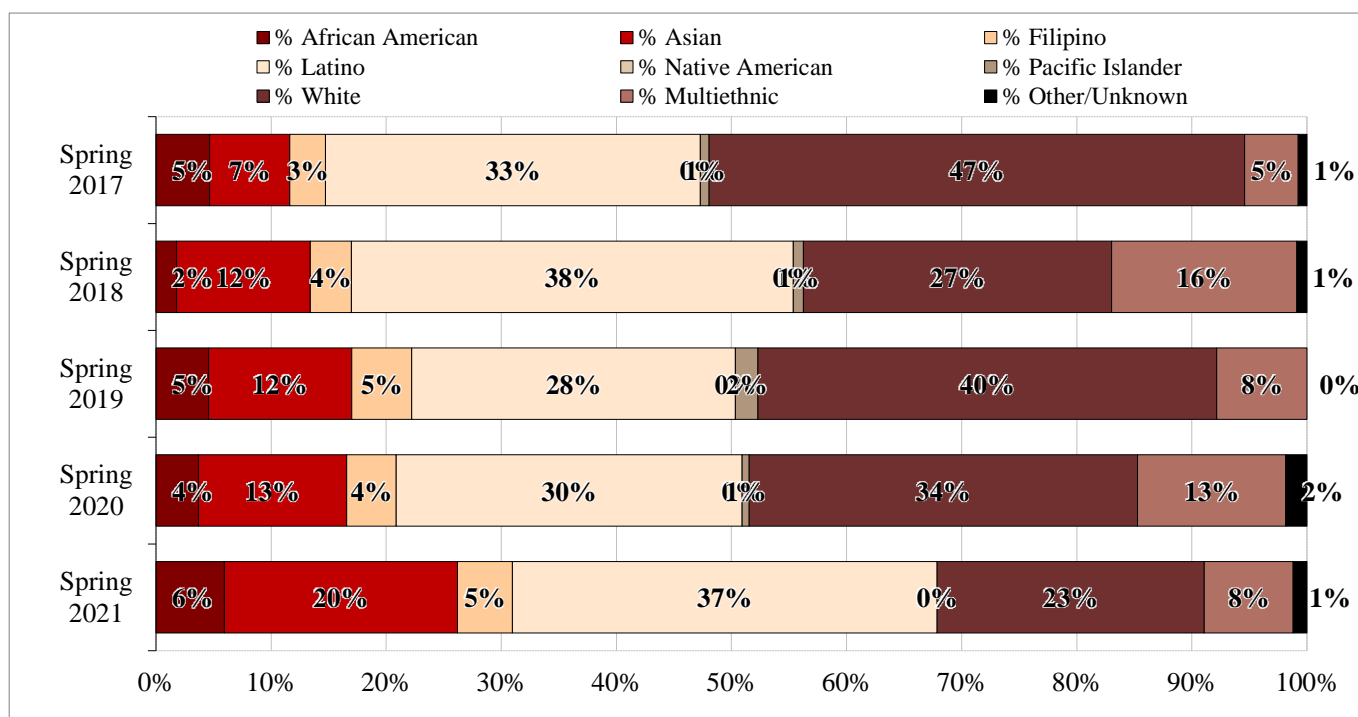
Student Demographics: Gender & Age

Astronomy (ASTR)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Female	56	56	72	78	90
Male	71	54	77	79	74
19 yrs. or younger	59	42	62	73	85
20-21 yrs. old	26	29	43	31	41
22-24 yrs. old	24	17	20	27	16
25-29 yrs. old	12	15	16	19	17
30-39 yrs. old	2	4	8	10	6
40-49 yrs. old	5	2	4	3	2
50 yrs. or older	1	3	0	0	1
% Female	44%	51%	48%	50%	55%
% Male	56%	49%	52%	50%	45%
% 19 yrs. or younger	46%	38%	41%	45%	51%
% 20 - 21 yrs. old	20%	26%	28%	19%	24%
% 22 - 24 yrs. old	19%	15%	13%	17%	10%
% 25 - 29 yrs. old	9%	13%	10%	12%	10%
% 30 - 39 yrs. old	2%	4%	5%	6%	4%
% 40 - 49 yrs. old	4%	2%	3%	2%	1%
% 50 yrs. or older	1%	3%	0%	0%	1%



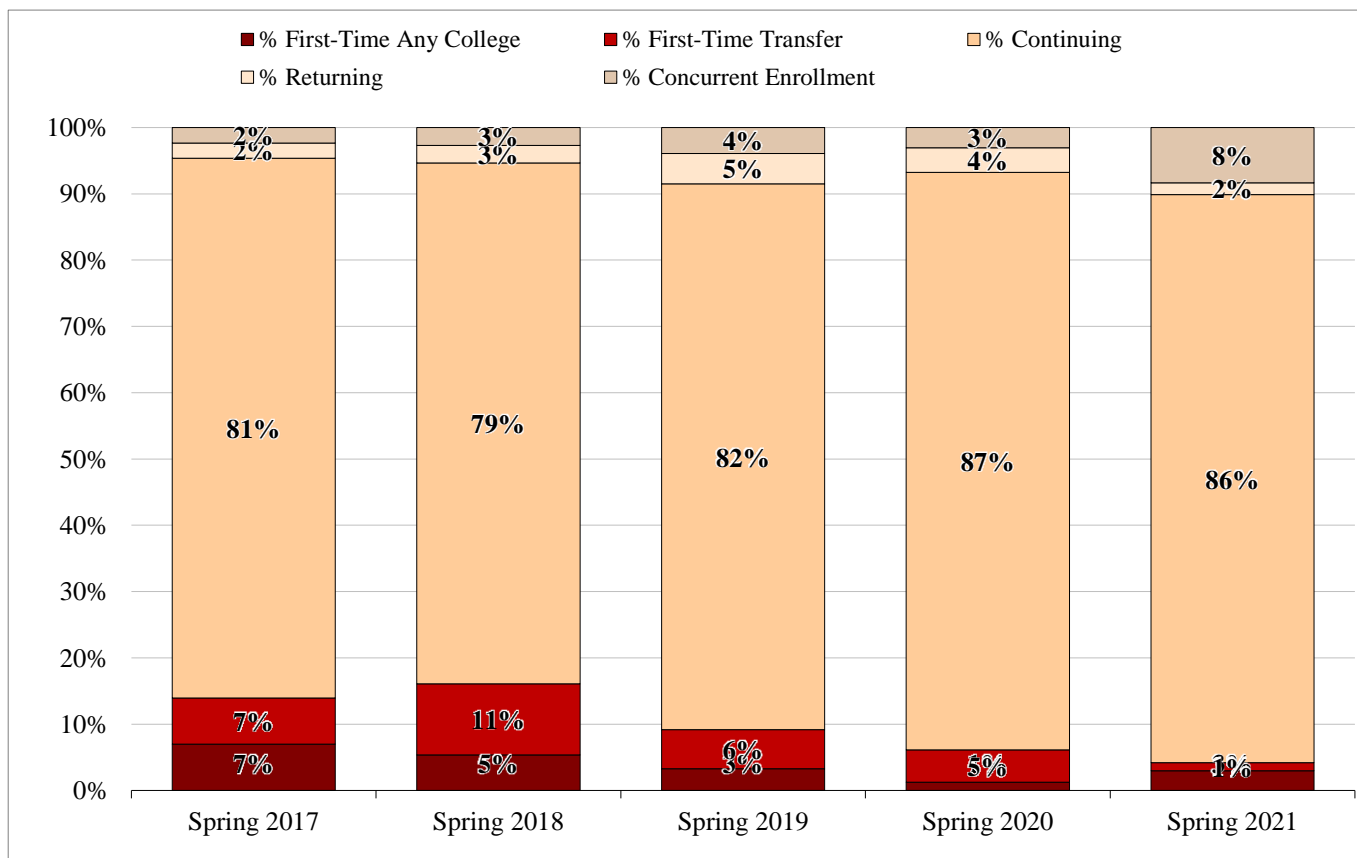
Student Demographic: Race-Ethnicity

Astronomy (ASTR)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
African American	6	2	7	6	10
Asian	9	13	19	21	34
Filipino	4	4	8	7	8
Latino	42	43	43	49	62
Native American	0	0	0	0	0
Pacific Islander	1	1	3	1	0
White	60	30	61	55	39
Multiethnic	6	18	12	21	13
Other/Unknown	1	1	0	3	2
% African American	5%	2%	5%	4%	6%
% Asian	7%	12%	12%	13%	20%
% Filipino	3%	4%	5%	4%	5%
% Latino	33%	38%	28%	30%	37%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	1%	1%	2%	1%	0%
% White	47%	27%	40%	34%	23%
% Multiethnic	5%	16%	8%	13%	8%
% Other/Unknown	1%	1%	0%	2%	1%



Student Enrollment Status

Astronomy (ASTR)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
First-Time Any College	9	6	5	2	5
First-Time Transfer	9	12	9	8	2
Continuing	105	88	126	142	144
Returning	3	3	7	6	3
Concurrent Enrollment	3	3	6	5	14
% First-Time Any College	7%	5%	3%	1%	3%
% First-Time Transfer	7%	11%	6%	5%	1%
% Continuing	81%	79%	82%	87%	86%
% Returning	2%	3%	5%	4%	2%
% Concurrent Enrollment	2%	3%	4%	3%	8%



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.

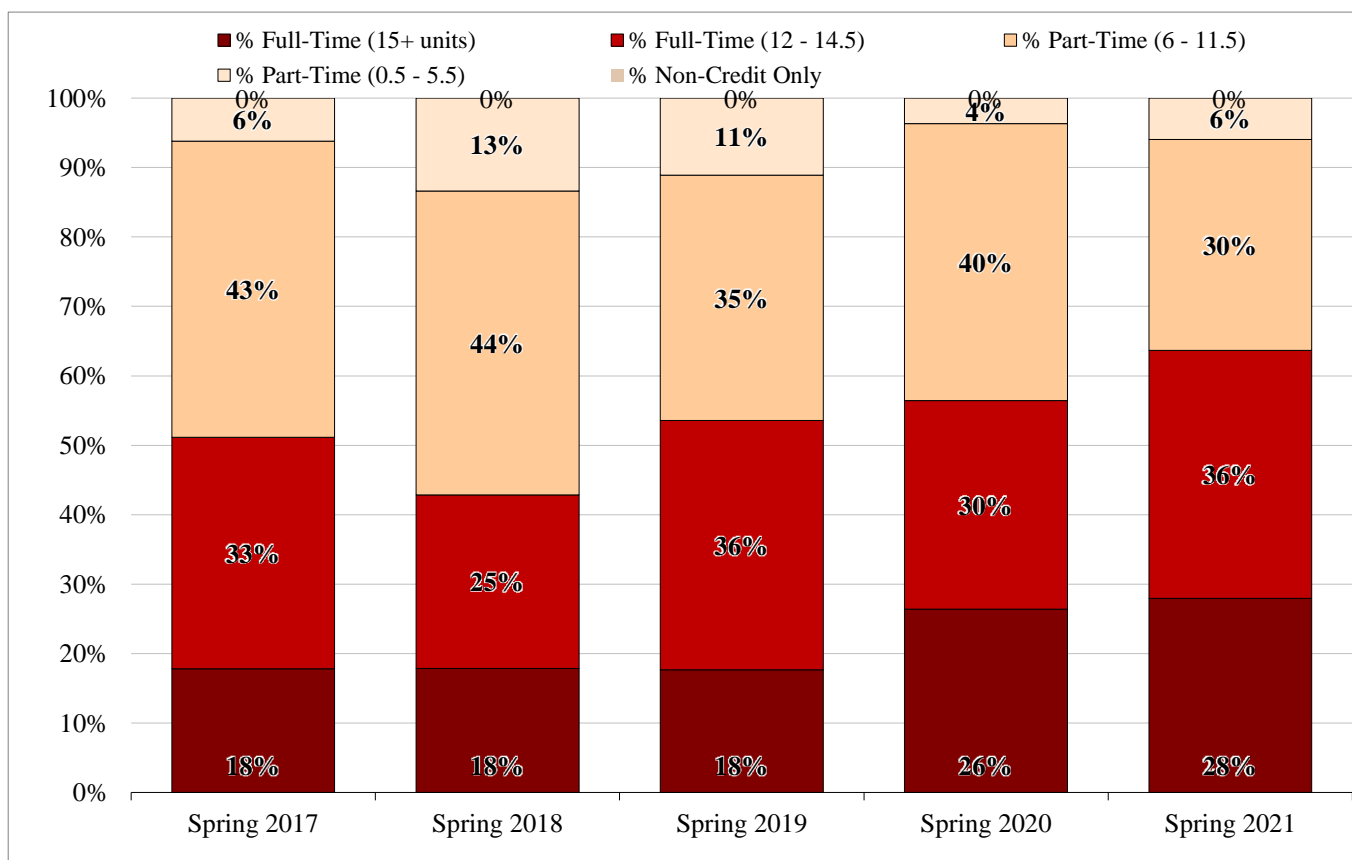
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

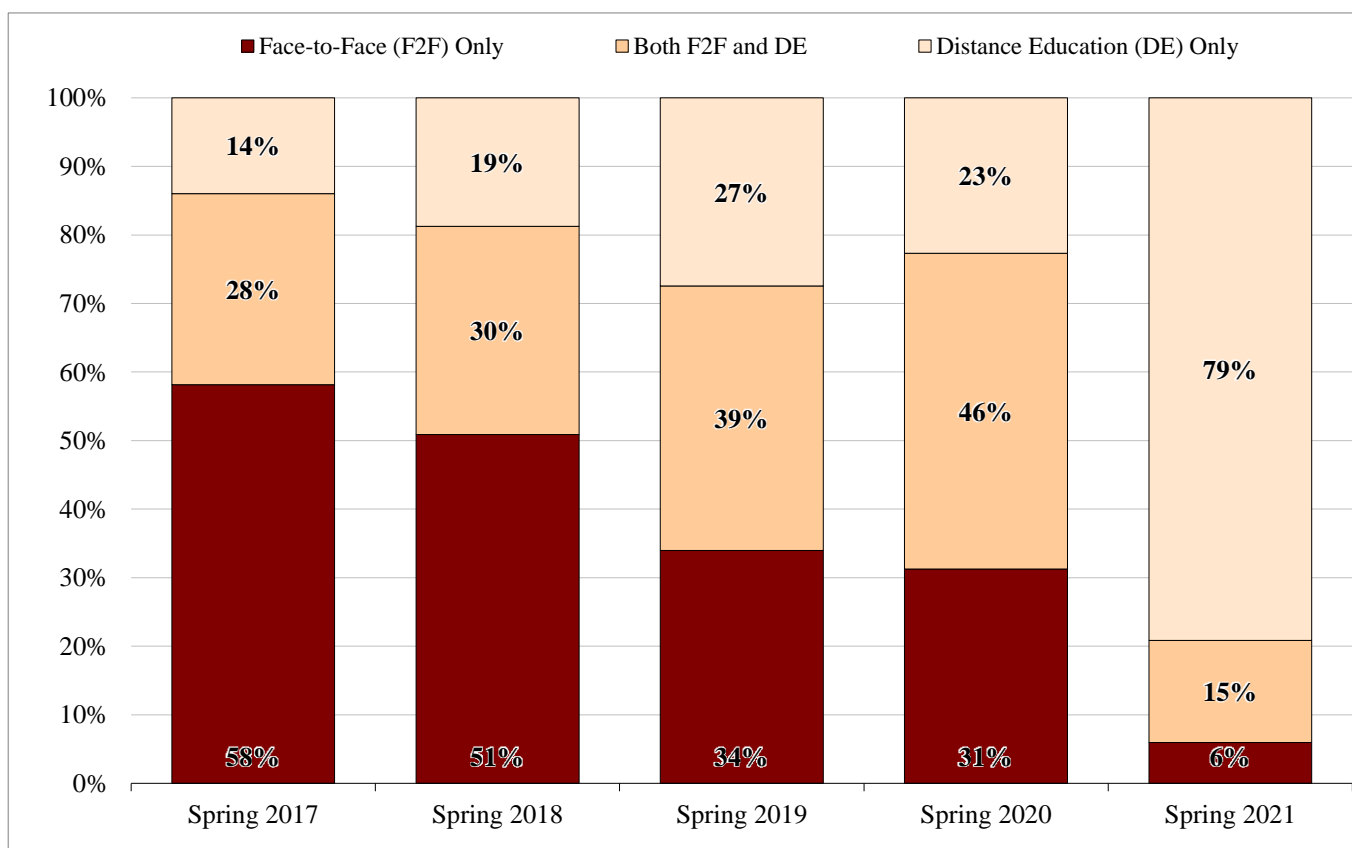
Student Unit Load

Astronomy (ASTR)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Full-Time (15+ units)	23	20	27	43	47
Full-Time (12 - 14.5)	43	28	55	49	60
Part-Time (6 - 11.5)	55	49	54	65	51
Part-Time (0.5 - 5.5)	8	15	17	6	10
Non-Credit Only	0	0	0	0	0
% Full-Time (15+ units)	18%	18%	18%	26%	28%
% Full-Time (12 - 14.5)	33%	25%	36%	30%	36%
% Part-Time (6 - 11.5)	43%	44%	35%	40%	30%
% Part-Time (0.5 - 5.5)	6%	13%	11%	4%	6%
% Non-Credit Only	0%	0%	0%	0%	0%



Students Using Distance Education

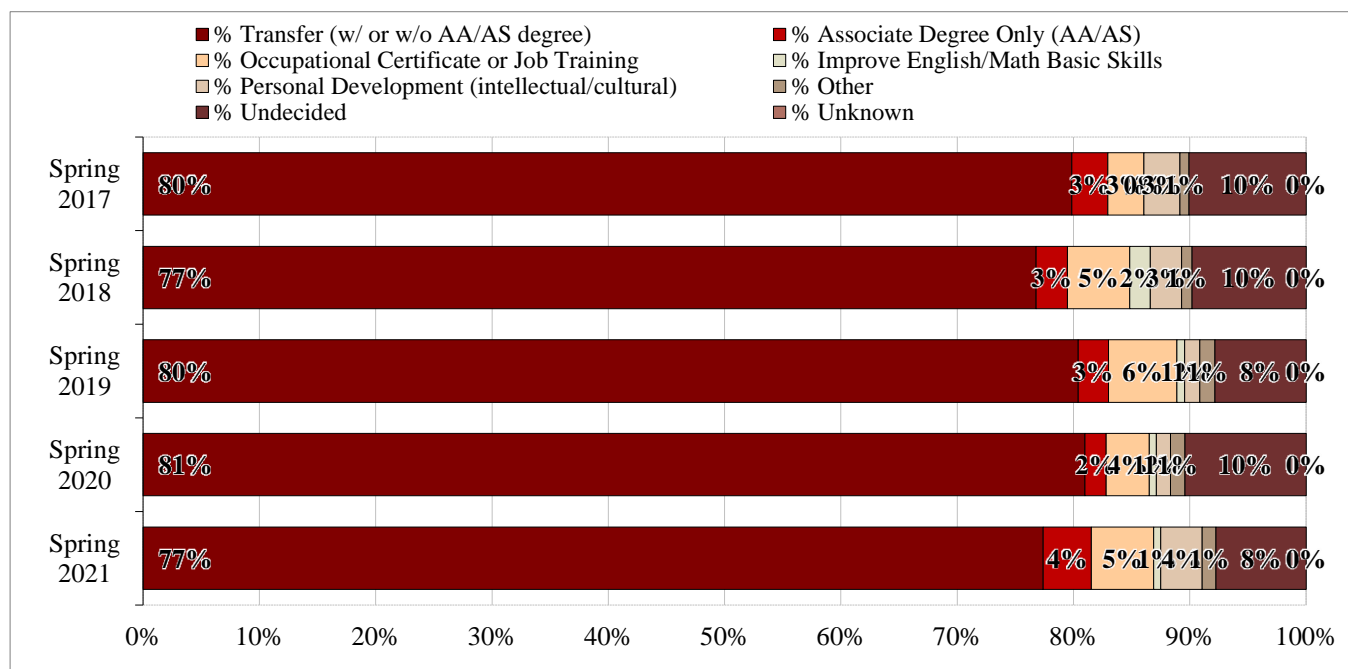
Astronomy (ASTR)					
(Categories reflect college-wide coursework)	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Face-to-Face (F2F) Only	75	57	52	51	10
Both F2F and DE	36	34	59	75	25
Distance Education (DE) Only	18	21	42	37	133
% Face-to-Face (F2F) Only	58%	51%	34%	31%	6%
% Both F2F and DE	28%	30%	39%	46%	15%
% Distance Education (DE) Only	14%	19%	27%	23%	79%



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

Astronomy (ASTR)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Transfer (w/ or w/o AA/AS degree)	103	86	123	132	130
Associate Degree Only (AA/AS)	4	3	4	3	7
Occupational Certificate or Job Training	4	6	9	6	9
Improve English/Math Basic Skills	0	2	1	1	1
Personal Development (intellectual/cultural)	4	3	2	2	6
Other	1	1	2	2	2
Undecided	13	11	12	17	13
Unknown	0	0	0	0	0
% Transfer (w/ or w/o AA/AS degree)	80%	77%	80%	81%	77%
% Associate Degree Only (AA/AS)	3%	3%	3%	2%	4%
% Occupational Certificate or Job Training	3%	5%	6%	4%	5%
% Improve English/Math Basic Skills	0%	2%	1%	1%	1%
% Personal Development (intellectual/cultural)	3%	3%	1%	1%	4%
% Other	1%	1%	1%	1%	1%
% Undecided	10%	10%	8%	10%	8%
% 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.

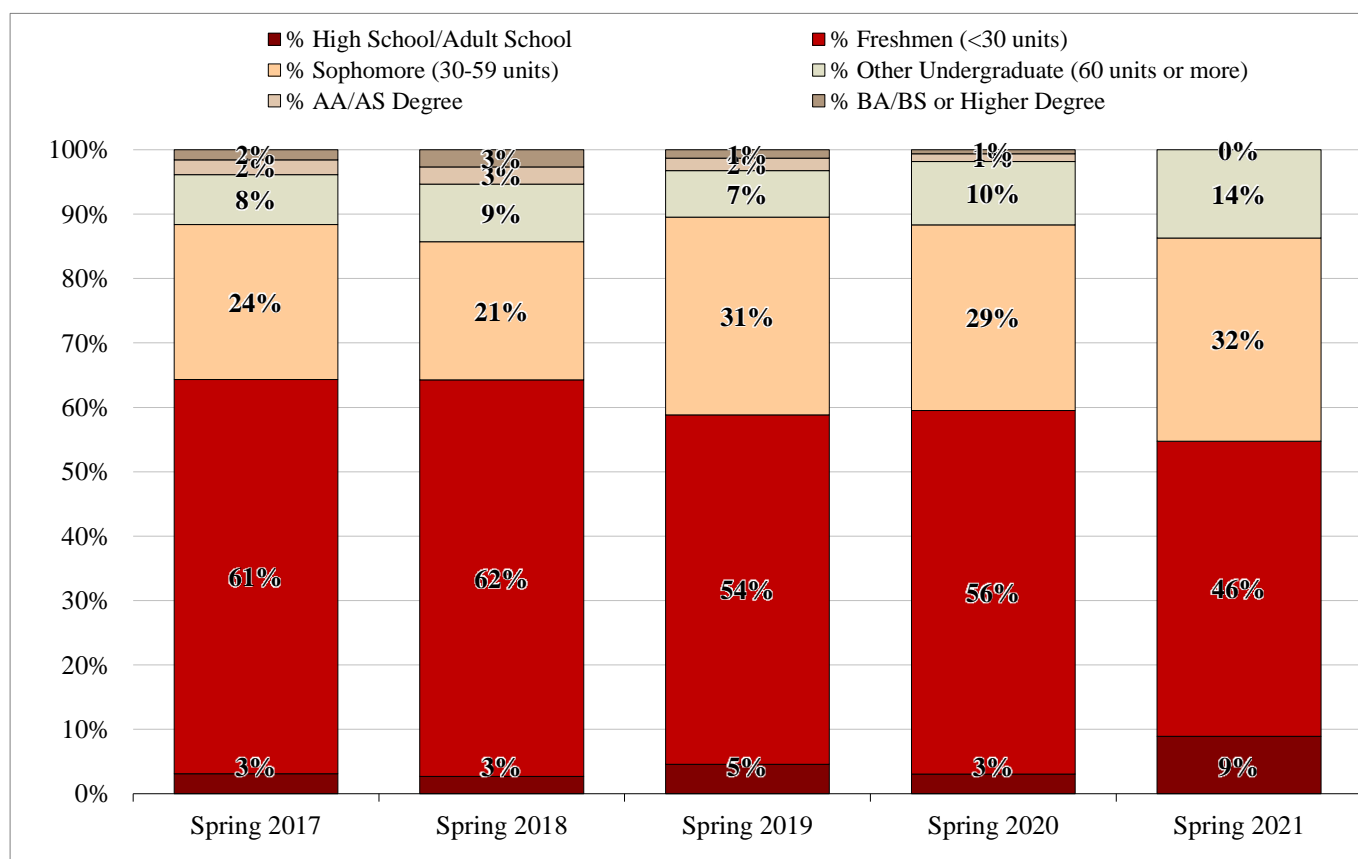
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

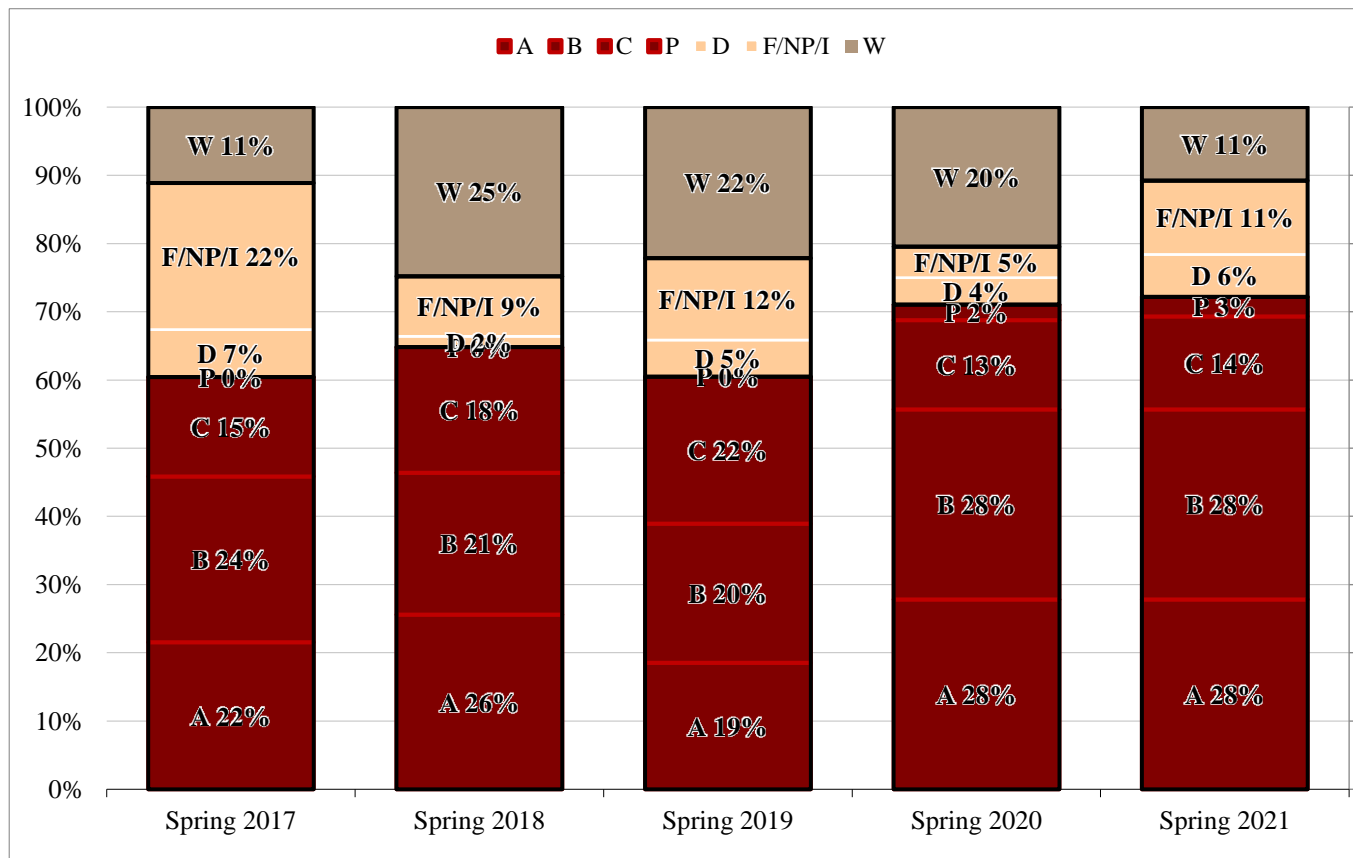
Highest Educational Level of Students

Astronomy (ASTR)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
High School/Adult School	4	3	7	5	15
Freshmen (<30 units)	79	69	83	92	77
Sophomore (30-59 units)	31	24	47	47	53
Other Undergraduate (60 units or more)	10	10	11	16	23
AA/AS Degree	3	3	3	2	0
BA/BS or Higher Degree	2	3	2	1	0
% High School/Adult School	3%	3%	5%	3%	9%
% Freshmen (<30 units)	61%	62%	54%	56%	46%
% Sophomore (30-59 units)	24%	21%	31%	29%	32%
% Other Undergraduate (60 units or more)	8%	9%	7%	10%	14%
% AA/AS Degree	2%	3%	2%	1%	0%
% BA/BS or Higher Degree	2%	3%	1%	1%	0%



Student Performance: Grade Distribution

Astronomy (ASTR)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Total Course Enrollments	144	125	167	176	176
Course Success Rates	60%	65%	60%	71%	72%
A	22%	26%	19%	28%	28%
B	24%	21%	20%	28%	28%
C	15%	18%	22%	13%	14%
P	0%	0%	0%	2%	3%
Course Non-Success Rate	28%	10%	17%	9%	17%
D	7%	2%	5%	4%	6%
F*	22%	9%	12%	5%	11%
Withdrawals (See Note)	11%	25%	22%	20%	11%



Definitions:

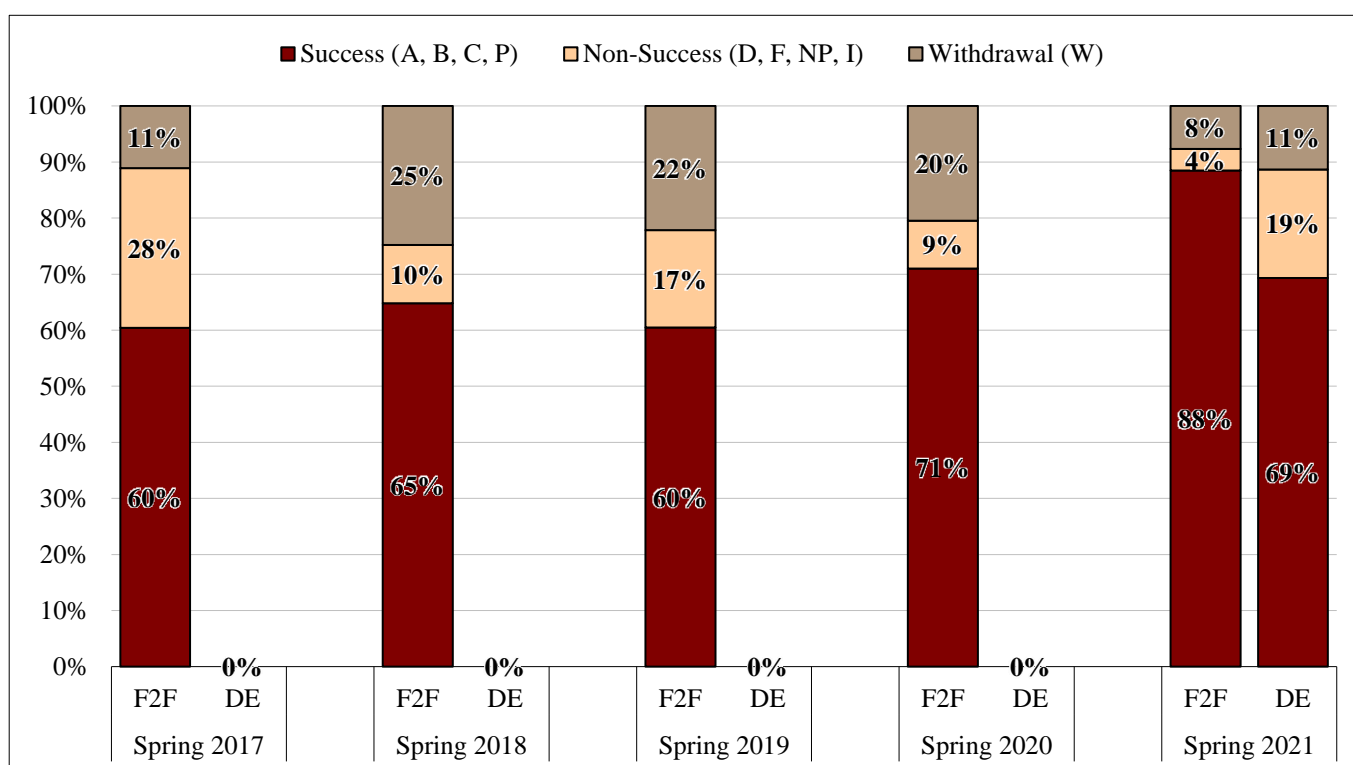
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

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

Astronomy (ASTR)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Total Course Enrollments	144	125	167	176	176
Face-to-Face (F2F) Sections	103	84	79	91	26
Success Rates	60%	65%	60%	71%	88%
Non-Success Rates	28%	10%	17%	9%	4%
Withdrawals	11%	25%	22%	20%	8%
Distance Education (DE) Sections	41	41	88	85	150
Success Rates	—	—	—	—	69%
Non-Success Rates	—	—	—	—	19%
Withdrawals	—	—	—	—	11%



Definitions:

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

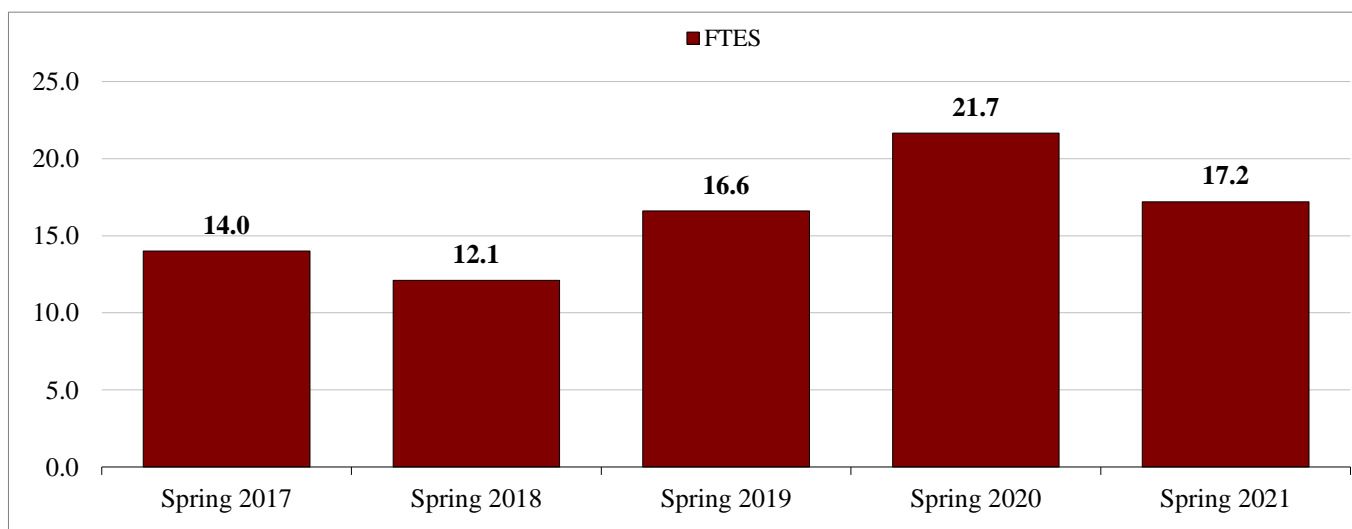
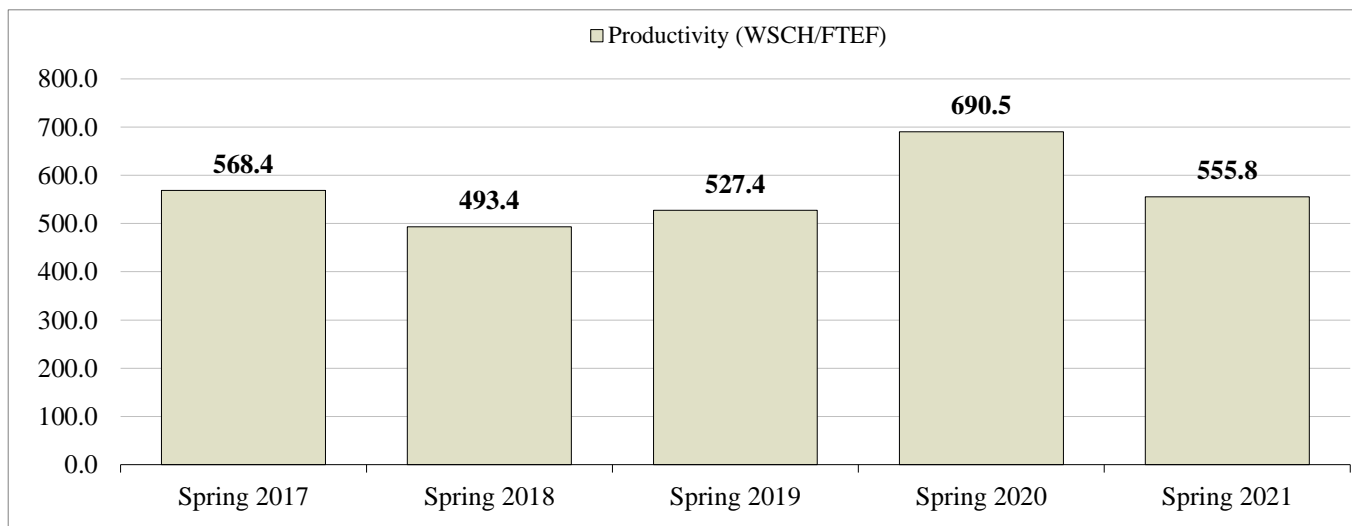
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

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

Astronomy (ASTR)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
WSCH	432	375	501	656	528
FTES	14.0	12.1	16.6	21.7	17.2
FTEF	0.8	0.8	1.0	1.0	1.0
Productivity (WSCH/FTEF)	568.4	493.4	527.4	690.5	555.8

**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.

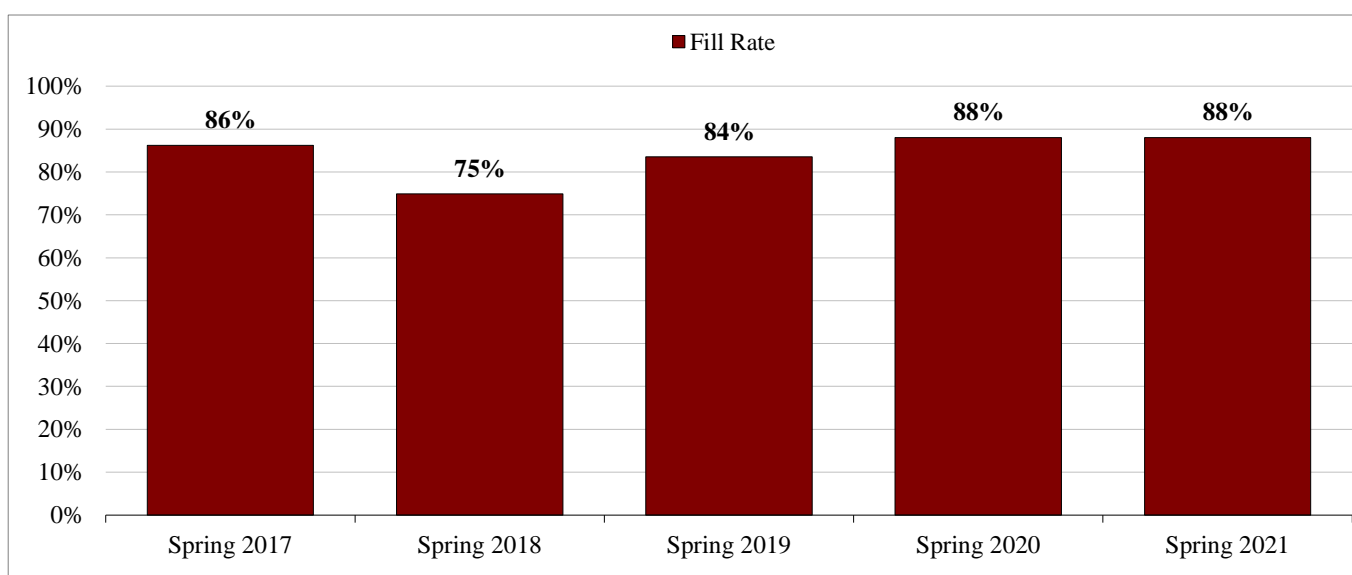
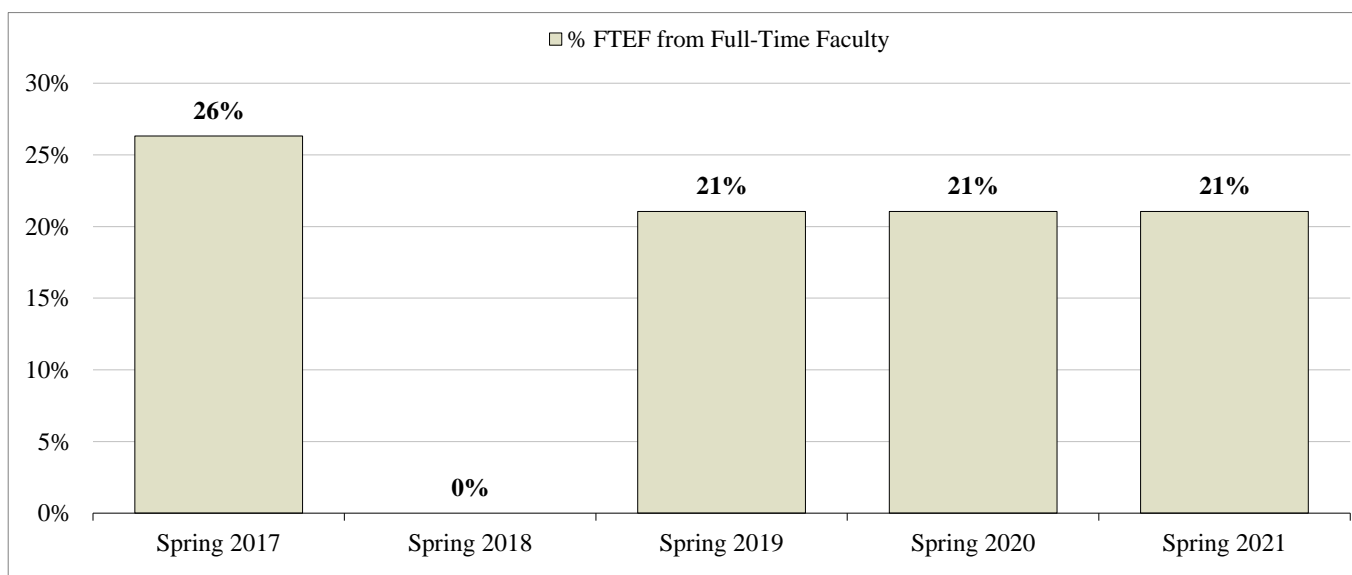
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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

Astronomy (ASTR)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
FTEF from Full-Time Faculty	0.2	0.0	0.2	0.2	0.2
% FTEF from Full-Time Faculty	26%	0%	21%	21%	21%
Enrollments	144	125	167	176	176
Capacity (seats available)	167	167	200	200	200
Fill Rate	86%	75%	84%	88%	88%



Definitions:

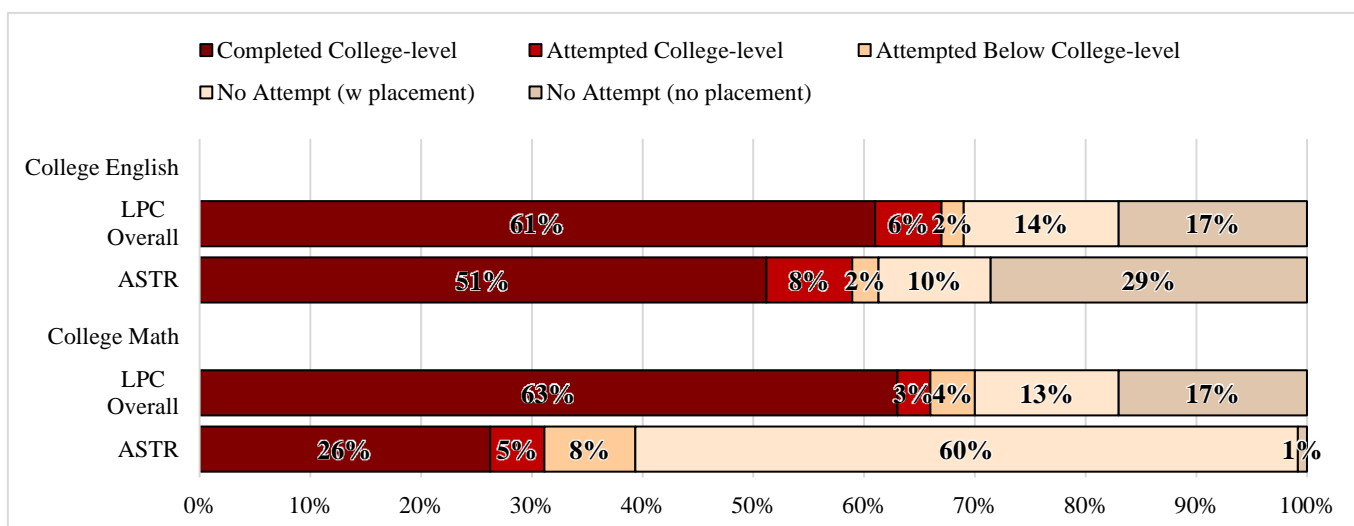
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 / TUTR 200; latest data accessed on 7/14/20.

Prior Experience in English & Math

	Spring 2021			
	ASTR		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	86	51%	4,882	61%
Attempted College-level	13	8%	547	7%
Attempted Below College-level	4	2%	65	1%
No Prior Attempt (has placement)	17	10%	1,066	13%
No Prior Attempt (no placement)	48	29%	1,485	18%
College Math				
Completed College-level	32	26%	5,173	64%
Attempted College-level	6	5%	186	2%
Attempted Below College-level	10	8%	217	3%
No Prior Attempt (has placement)	73	60%	1,126	14%
No Prior Attempt (no placement)	1	1%	1,343	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 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.