



Las Positas College  
**Discipline Program Review Data Packet**  
Spring 2018 to Spring 2022

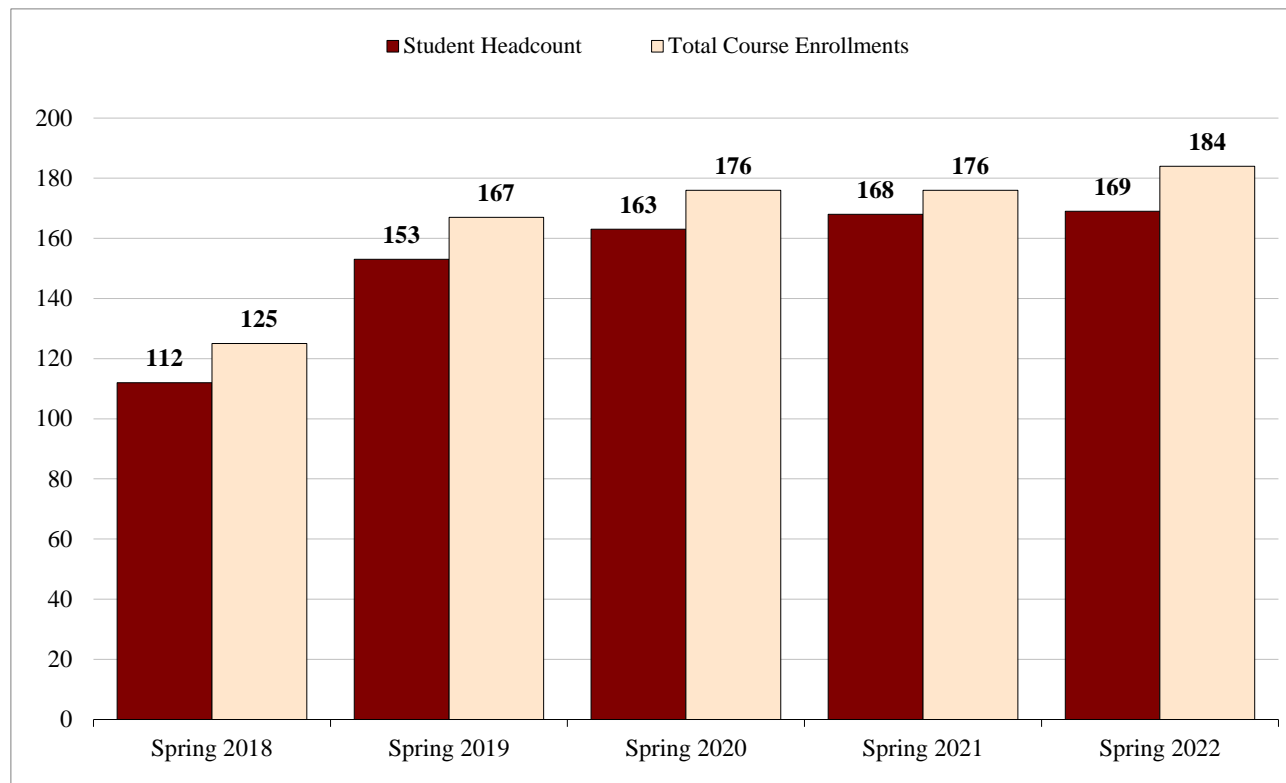
Discipline:

**Astronomy (ASTR)**

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## Headcount & Enrollment

Astronomy ( ASTR )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Student Headcount	112	153	163	168	169
Total Course Enrollments	125	167	176	176	184



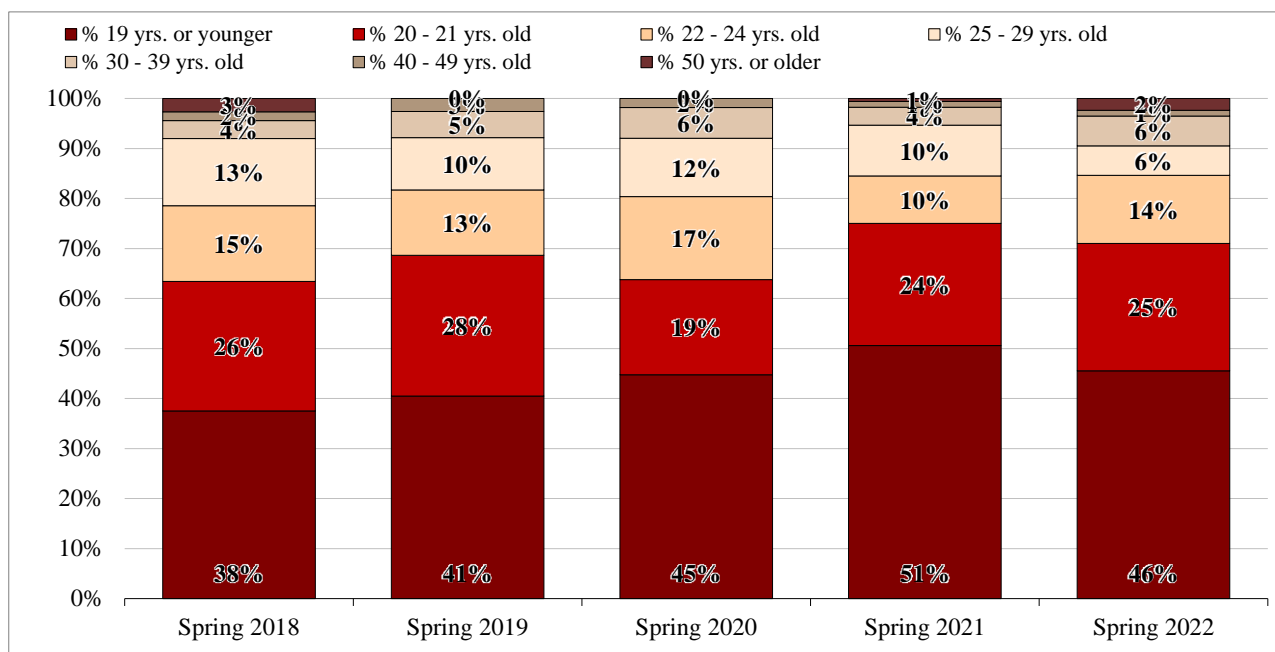
### Definitions:

**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.

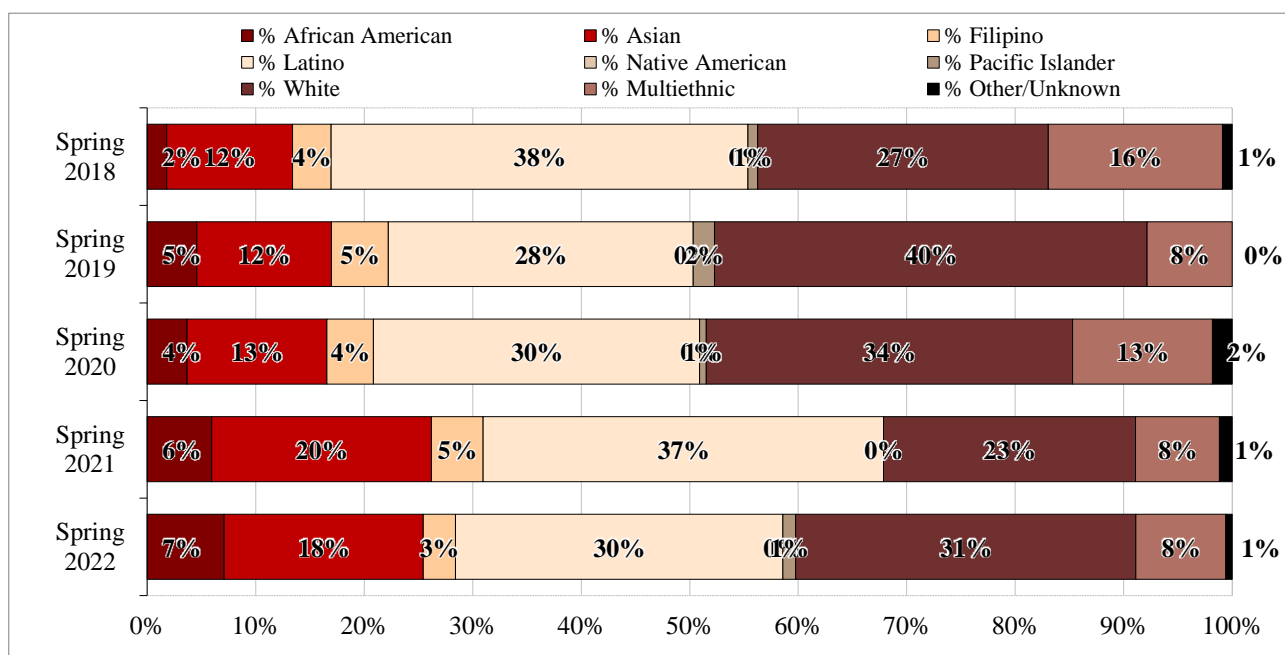
## Student Demographics: Gender & Age

Astronomy ( ASTR )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Female	56	72	78	90	81
Male	54	77	79	74	85
19 yrs. or younger	42	62	73	85	77
20-21 yrs. old	29	43	31	41	43
22-24 yrs. old	17	20	27	16	23
25-29 yrs. old	15	16	19	17	10
30-39 yrs. old	4	8	10	6	10
40-49 yrs. old	2	4	3	2	2
50 yrs. or older	3	0	0	1	4
% Female	51%	48%	50%	55%	49%
% Male	49%	52%	50%	45%	51%
% 19 yrs. or younger	38%	41%	45%	51%	46%
% 20 - 21 yrs. old	26%	28%	19%	24%	25%
% 22 - 24 yrs. old	15%	13%	17%	10%	14%
% 25 - 29 yrs. old	13%	10%	12%	10%	6%
% 30 - 39 yrs. old	4%	5%	6%	4%	6%
% 40 - 49 yrs. old	2%	3%	2%	1%	1%
% 50 yrs. or older	3%	0%	0%	1%	2%



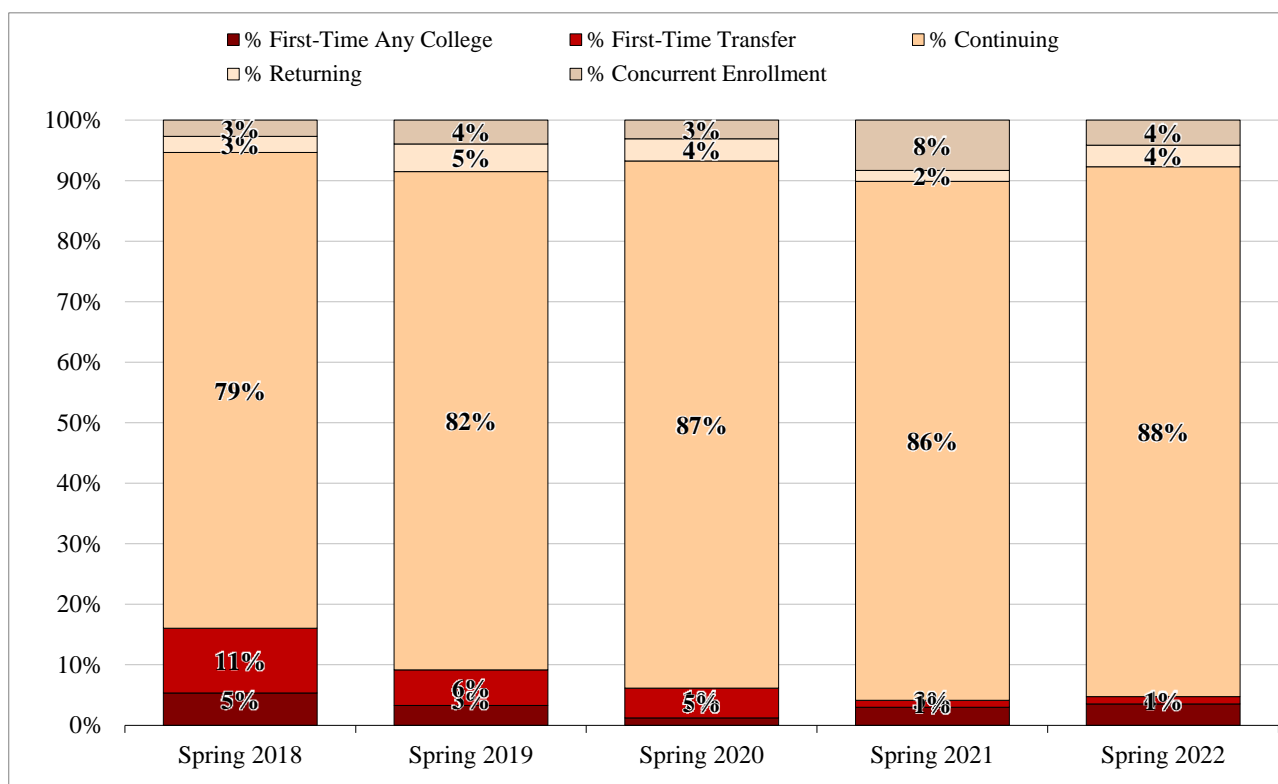
## Student Demographic: Race-Ethnicity

Astronomy ( ASTR )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
African American	2	7	6	10	12
Asian	13	19	21	34	31
Filipino	4	8	7	8	5
Latino	43	43	49	62	51
Native American	0	0	0	0	0
Pacific Islander	1	3	1	0	2
White	30	61	55	39	53
Multiethnic	18	12	21	13	14
Other/Unknown	1	0	3	2	1
% African American	2%	5%	4%	6%	7%
% Asian	12%	12%	13%	20%	18%
% Filipino	4%	5%	4%	5%	3%
% Latino	38%	28%	30%	37%	30%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	1%	2%	1%	0%	1%
% White	27%	40%	34%	23%	31%
% Multiethnic	16%	8%	13%	8%	8%
% Other/Unknown	1%	0%	2%	1%	1%



## Student Enrollment Status

Astronomy ( ASTR )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
First-Time Any College	6	5	2	5	6
First-Time Transfer	12	9	8	2	2
Continuing	88	126	142	144	148
Returning	3	7	6	3	6
Concurrent Enrollment	3	6	5	14	7
% First-Time Any College	5%	3%	1%	3%	4%
% First-Time Transfer	11%	6%	5%	1%	1%
% Continuing	79%	82%	87%	86%	88%
% Returning	3%	5%	4%	2%	4%
% Concurrent Enrollment	3%	4%	3%	8%	4%



### 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.

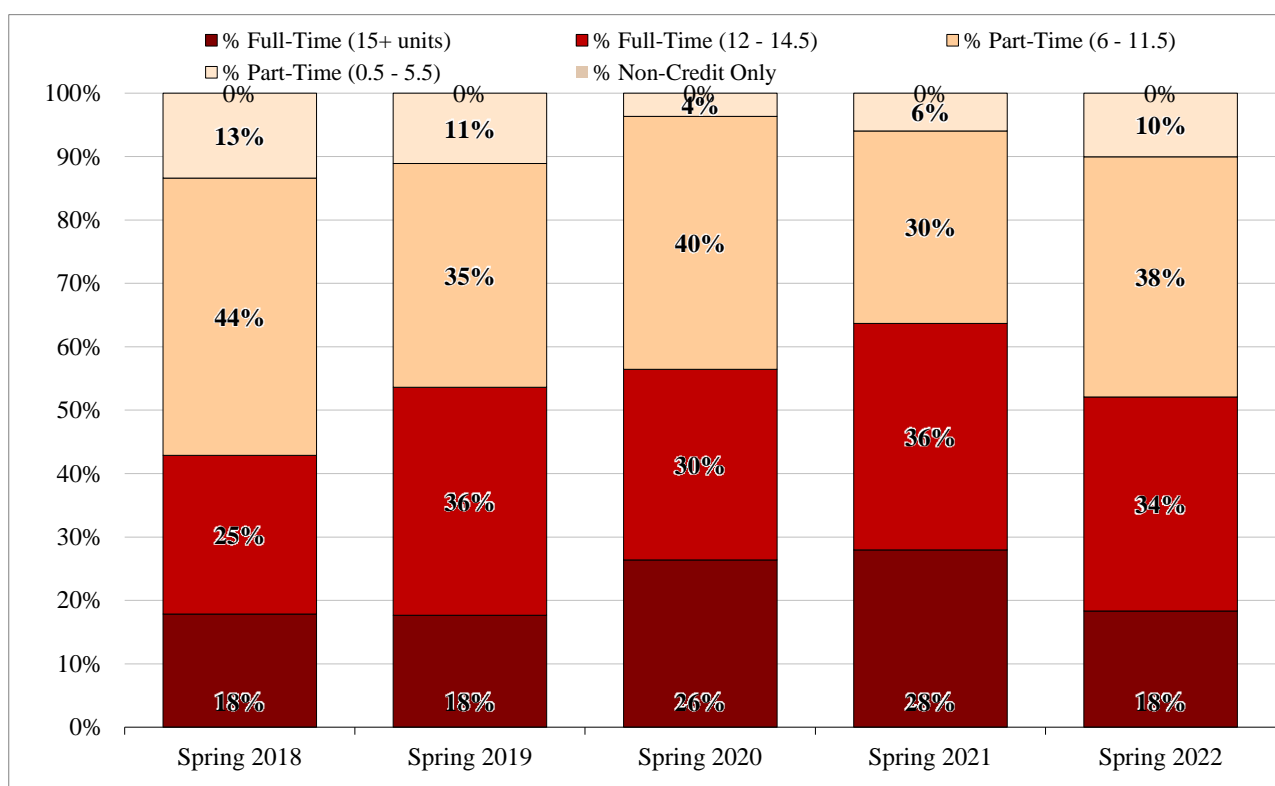
**Continuing:** Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

**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.

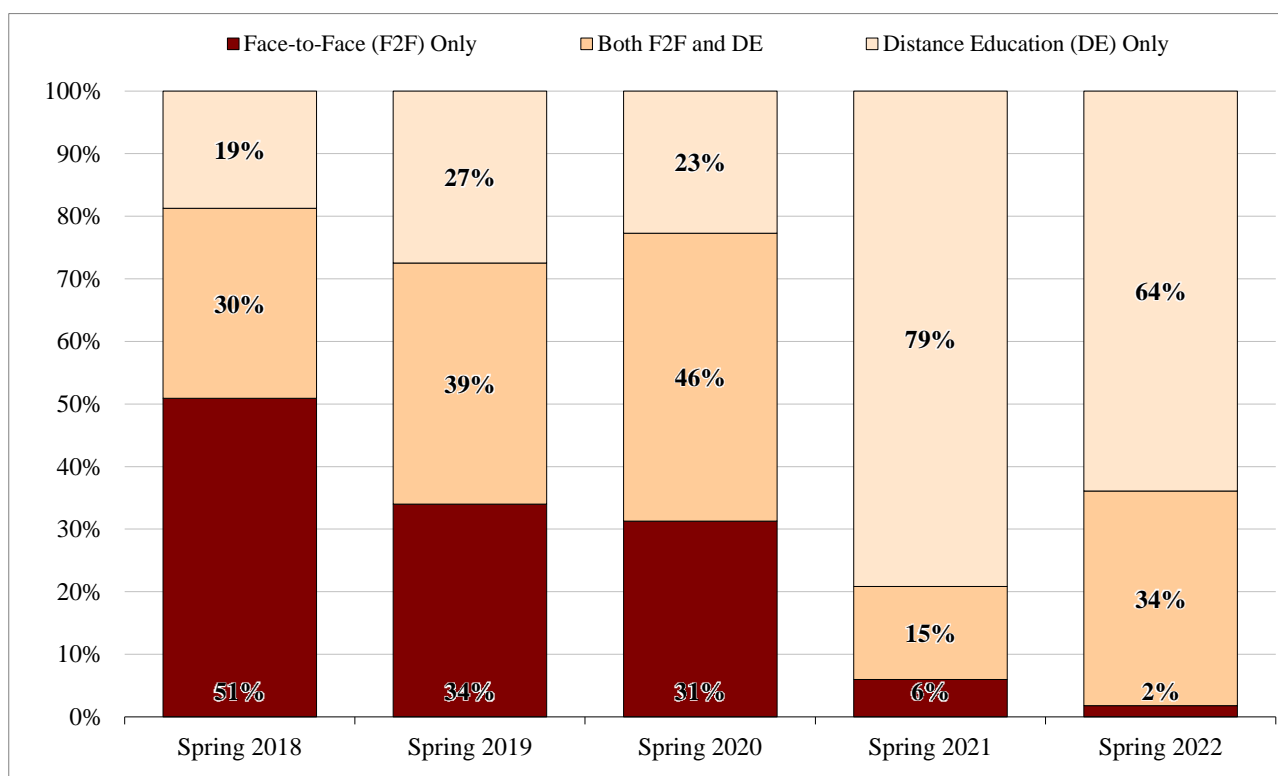
## Student Unit Load

Astronomy ( ASTR )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Full-Time (15+ units)	20	27	43	47	31
Full-Time (12 - 14.5)	28	55	49	60	57
Part-Time (6 - 11.5)	49	54	65	51	64
Part-Time (0.5 - 5.5)	15	17	6	10	17
Non-Credit Only	—	—	—	—	—
% Full-Time (15+ units)	18%	18%	26%	28%	18%
% Full-Time (12 - 14.5)	25%	36%	30%	36%	34%
% Part-Time (6 - 11.5)	44%	35%	40%	30%	38%
% Part-Time (0.5 - 5.5)	13%	11%	4%	6%	10%
% Non-Credit Only	—	—	—	—	—



## Students Using Distance Education

Astronomy ( ASTR )					
(Categories reflect college-wide coursework)	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Face-to-Face (F2F) Only	57	52	51	10	3
Both F2F and DE	34	59	75	25	58
Distance Education (DE) Only	21	42	37	133	108
% Face-to-Face (F2F) Only	51%	34%	31%	6%	2%
% Both F2F and DE	30%	39%	46%	15%	34%
% Distance Education (DE) Only	19%	27%	23%	79%	64%



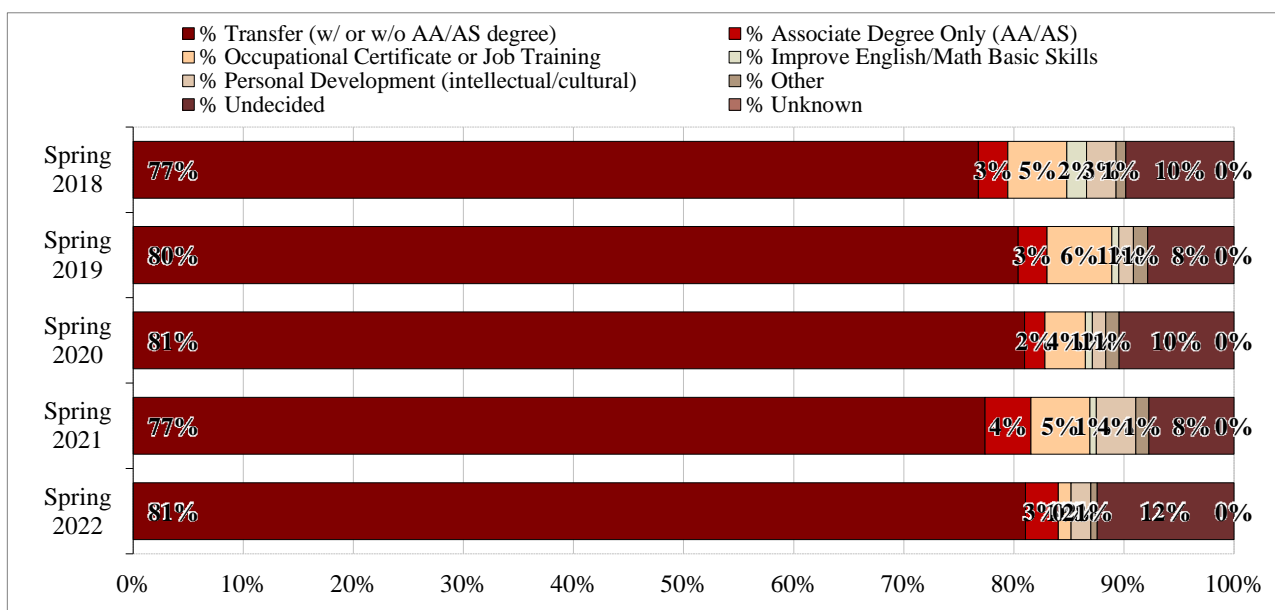
### Definitions:

**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

Astronomy ( ASTR )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
Transfer (w/ or w/o AA/AS degree)	86	123	132	130	137
Associate Degree Only (AA/AS)	3	4	3	7	5
Occupational Certificate or Job Training	6	9	6	9	2
Improve English/Math Basic Skills	2	1	1	1	0
Personal Development (intellectual/cultural)	3	2	2	6	3
Other	1	2	2	2	1
Undecided	11	12	17	13	21
Unknown	0	0	0	0	0
% Transfer (w/ or w/o AA/AS degree)	77%	80%	81%	77%	81%
% Associate Degree Only (AA/AS)	3%	3%	2%	4%	3%
% Occupational Certificate or Job Training	5%	6%	4%	5%	1%
% Improve English/Math Basic Skills	2%	1%	1%	1%	0%
% Personal Development (intellectual/cultural)	3%	1%	1%	4%	2%
% Other	1%	1%	1%	1%	1%
% Undecided	10%	8%	10%	8%	12%
% 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.

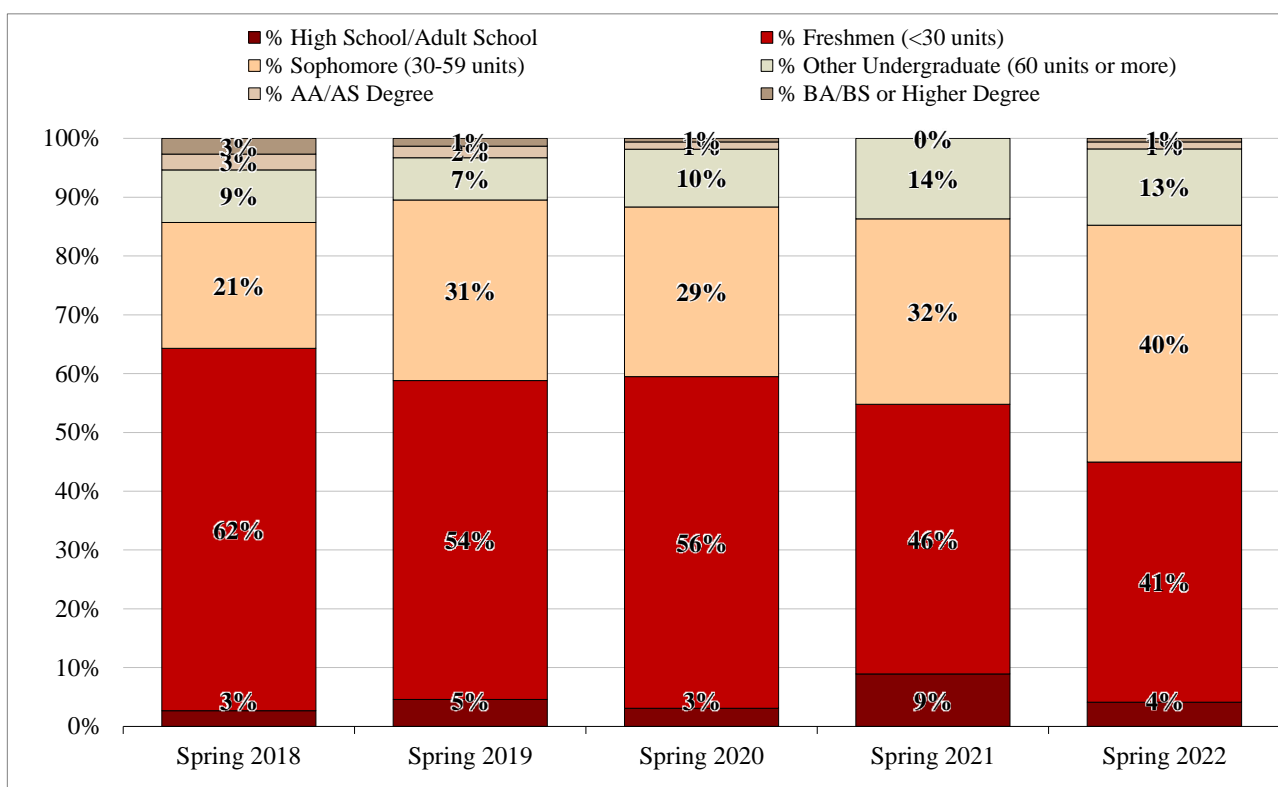
**Personal Development:** Students taking courses for intellectual and/or cultural development.

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



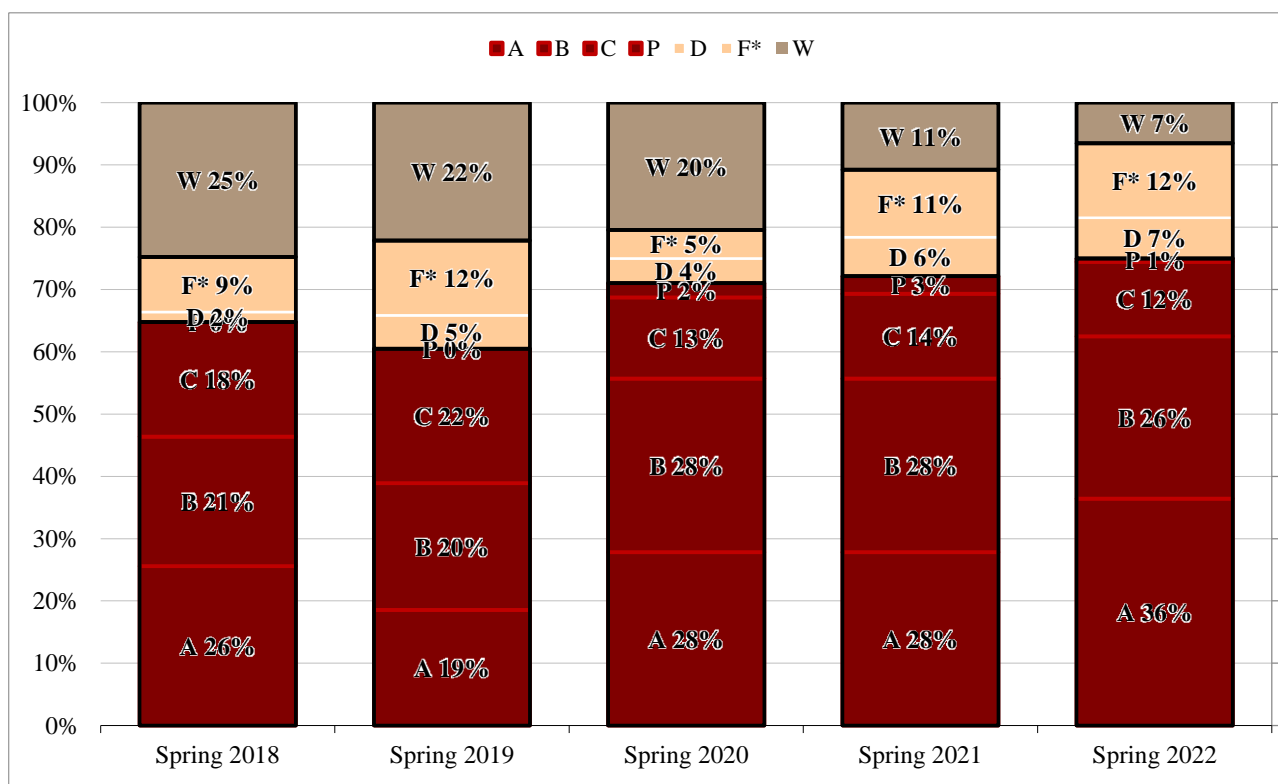
## Highest Educational Level of Students

Astronomy ( ASTR )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
High School/Adult School	3	7	5	15	7
Freshmen (<30 units)	69	83	92	77	69
Sophomore (30-59 units)	24	47	47	53	68
Other Undergraduate (60 units or more)	10	11	16	23	22
AA/AS Degree	3	3	2	0	2
BA/BS or Higher Degree	3	2	1	0	1
% High School/Adult School	3%	5%	3%	9%	4%
% Freshmen (<30 units)	62%	54%	56%	46%	41%
% Sophomore (30-59 units)	21%	31%	29%	32%	40%
% Other Undergraduate (60 units or more)	9%	7%	10%	14%	13%
% AA/AS Degree	3%	2%	1%	0%	1%
% BA/BS or Higher Degree	3%	1%	1%	0%	1%



## Student Performance: Grade Distribution

Astronomy ( ASTR )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
<b>Total Course Enrollments</b>	<b>125</b>	<b>167</b>	<b>176</b>	<b>176</b>	<b>184</b>
<b>Course Success Rates</b>	<b>65%</b>	<b>60%</b>	<b>71%</b>	<b>72%</b>	<b>75%</b>
A	26%	19%	28%	28%	36%
B	21%	20%	28%	28%	26%
C	18%	22%	13%	14%	12%
P	0%	0%	2%	3%	1%
<b>Course Non-Success Rate</b>	<b>10%</b>	<b>17%</b>	<b>9%</b>	<b>17%</b>	<b>18%</b>
D	2%	5%	4%	6%	7%
F*	9%	12%	5%	11%	12%
<b>Withdrawals (See Note)</b>	<b>25%</b>	<b>22%</b>	<b>20%</b>	<b>11%</b>	<b>7%</b>



### Definitions:

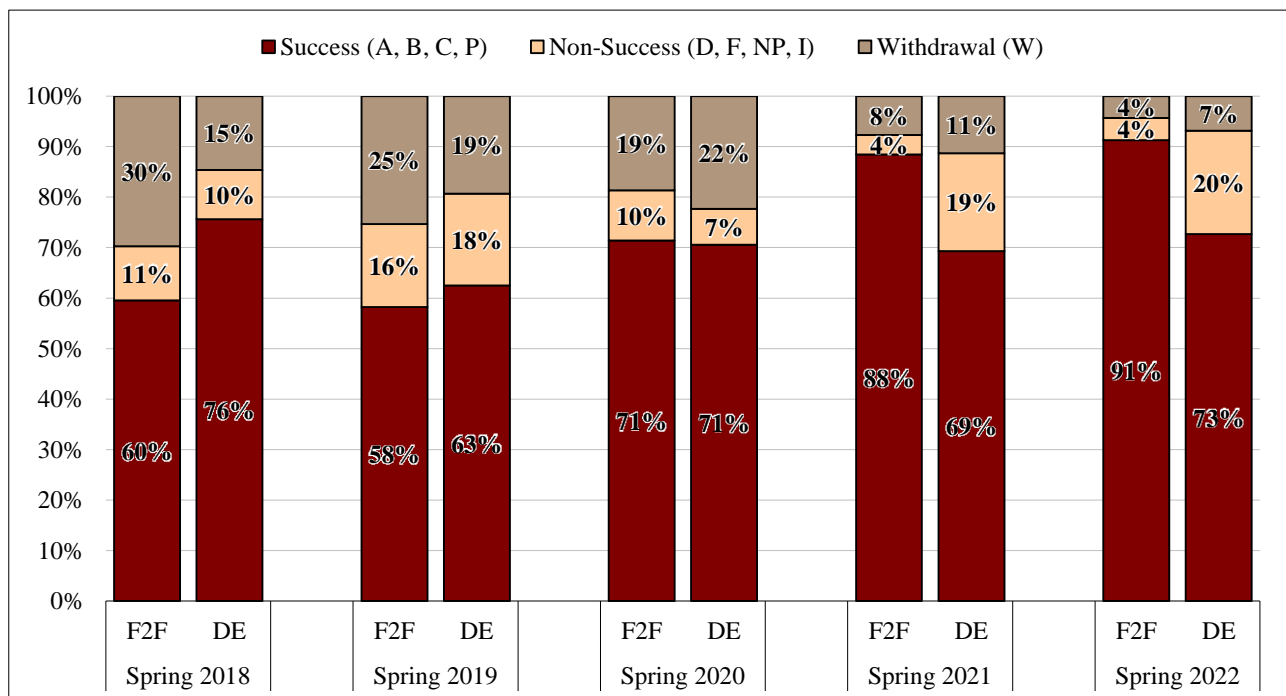
**Course Success Rate:** Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

**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

Astronomy ( ASTR )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
<b>Total Course Enrollments</b>	<b>125</b>	<b>167</b>	<b>176</b>	<b>176</b>	<b>184</b>
<b>Face-to-Face (F2F) Sections</b>	<b>84</b>	<b>79</b>	<b>91</b>	<b>26</b>	<b>23</b>
Success Rates	60%	58%	71%	88%	91%
Non-Success Rates	11%	16%	10%	4%	4%
Withdrawals	30%	25%	19%	8%	4%
<b>Distance Education (DE) Sections</b>	<b>41</b>	<b>88</b>	<b>85</b>	<b>150</b>	<b>161</b>
Success Rates	76%	63%	71%	69%	73%
Non-Success Rates	10%	18%	7%	19%	20%
Withdrawals	15%	19%	22%	11%	7%



### Definitions:

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

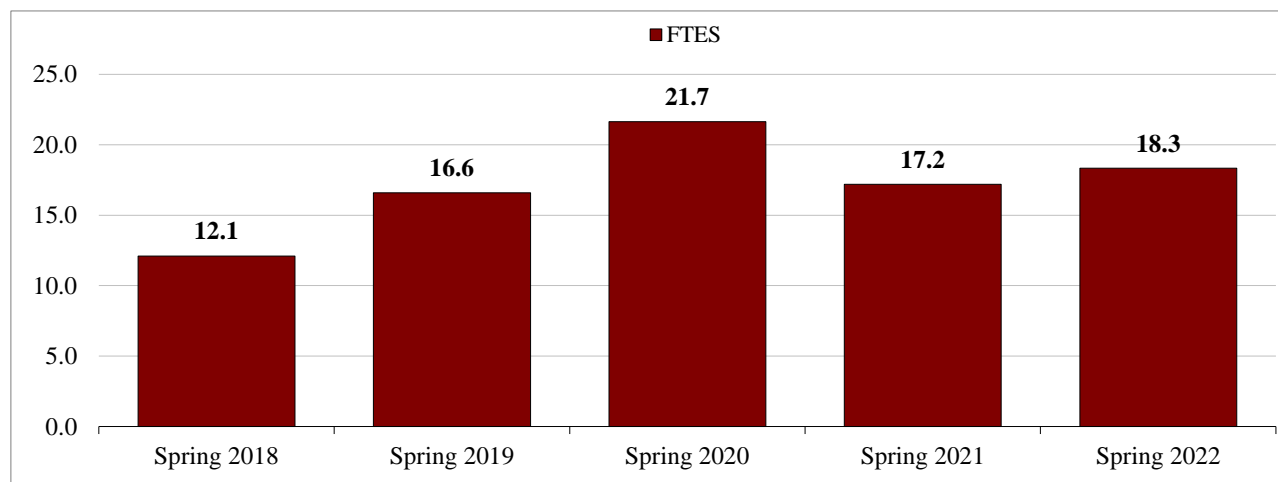
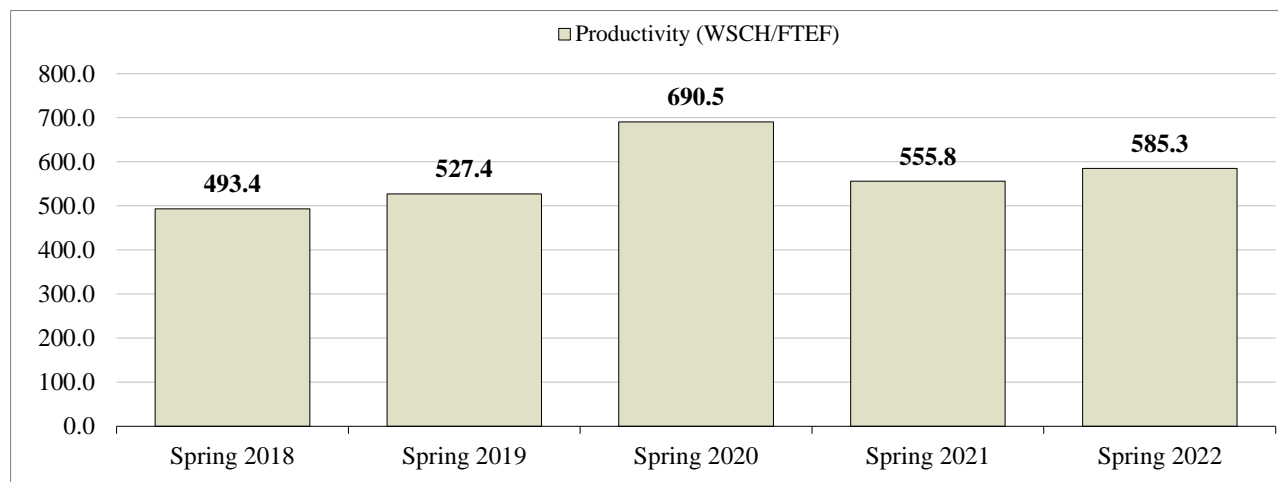
**Course Non-Success Rate:** Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

**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 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
WSCH	375	501	656	528	556
FTEF	12.1	16.6	21.7	17.2	18.3
FTEF	0.8	1.0	1.0	1.0	1.0
Productivity (WSCH/FTEF)	493.4	527.4	690.5	555.8	585.3



**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.

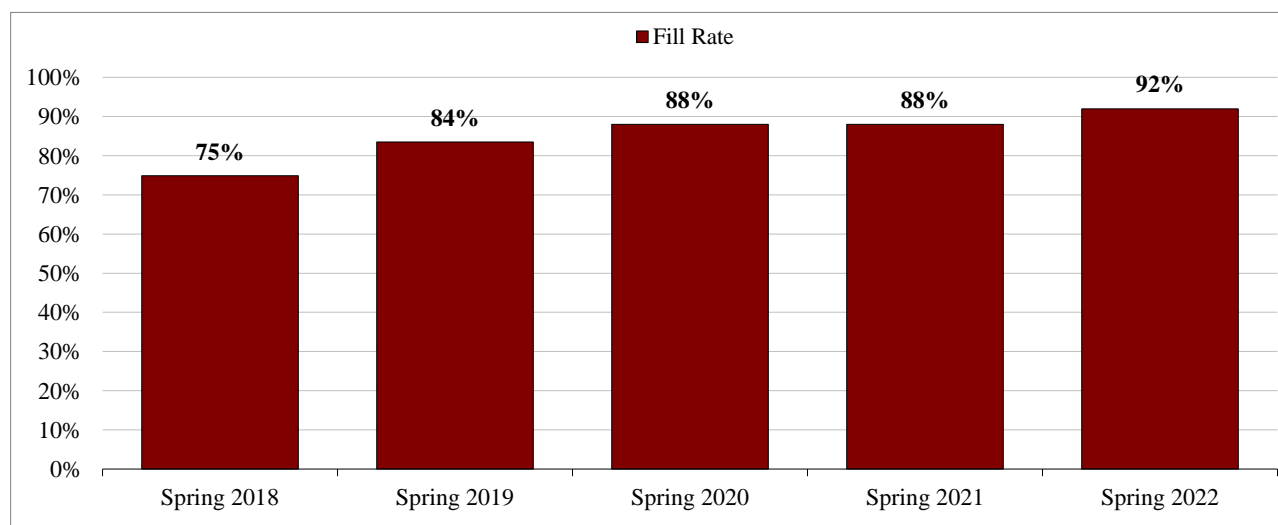
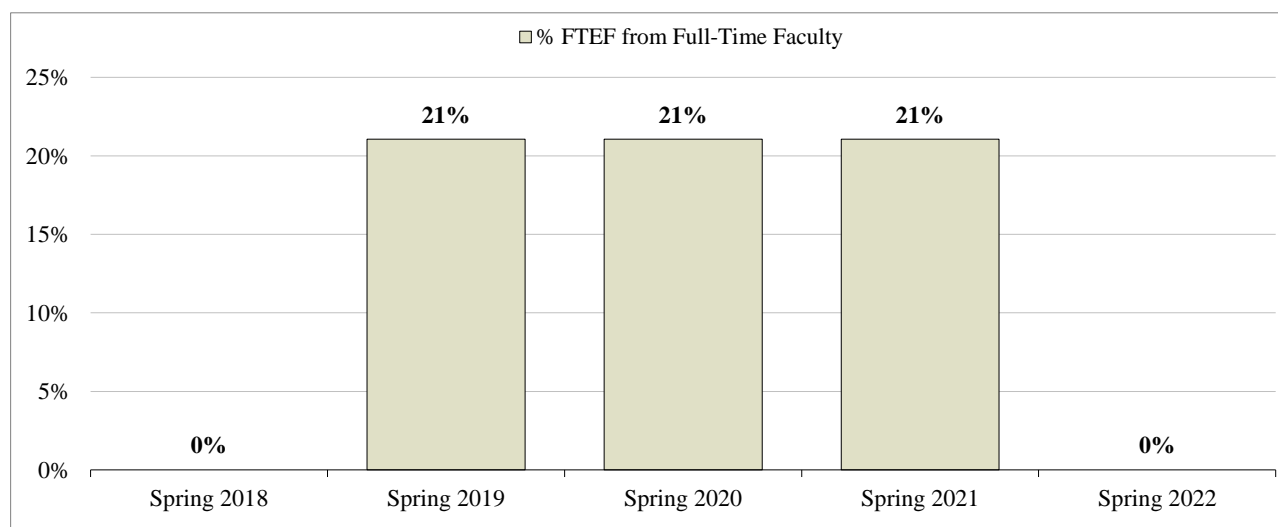
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

**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 7/20/21.

## Enrollment Management: Part 2

Astronomy ( ASTR )					
	Term				
	Spring 2018	Spring 2019	Spring 2020	Spring 2021	Spring 2022
FTEF from Full-Time Faculty	0.0	0.2	0.2	0.2	0.0
% FTEF from Full-Time Faculty	0%	21%	21%	21%	0%
Enrollments	125	167	176	176	184
Capacity (seats available)	167	200	200	200	200
Fill Rate	75%	84%	88%	88%	92%



**Definitions:**

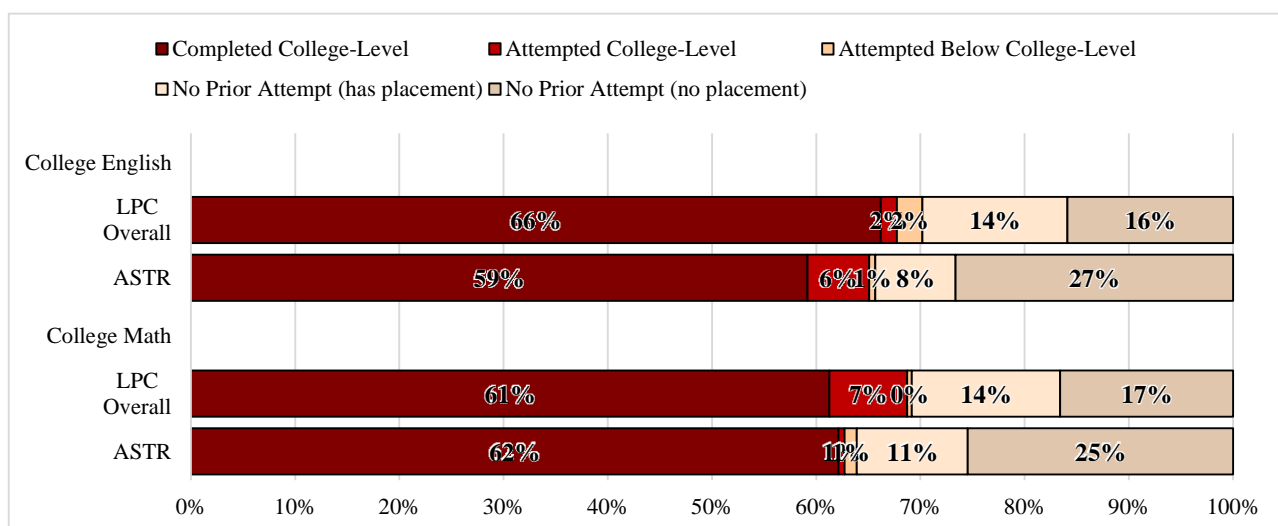
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% 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			
	ASTR		LPC Overall	
	Num	Pct	Num	Pct
<b>College English</b>				
Completed College-level	100	59%	4,022	61%
Attempted College-level	10	6%	490	7%
Attempted Below College-level	1	1%	30	0%
No Prior Attempt (has placement)	13	8%	934	14%
No Prior Attempt (no placement)	45	27%	1,089	17%
<b>College Math</b>				
Completed College-level	105	62%	4,345	66%
Attempted College-level	1	1%	103	2%
Attempted Below College-level	2	1%	160	2%
No Prior Attempt (has placement)	18	11%	914	14%
No Prior Attempt (no placement)	43	25%	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.