



Las Positas College

**Discipline Program Review Data Packet**

Fall 2016 to Fall 2020

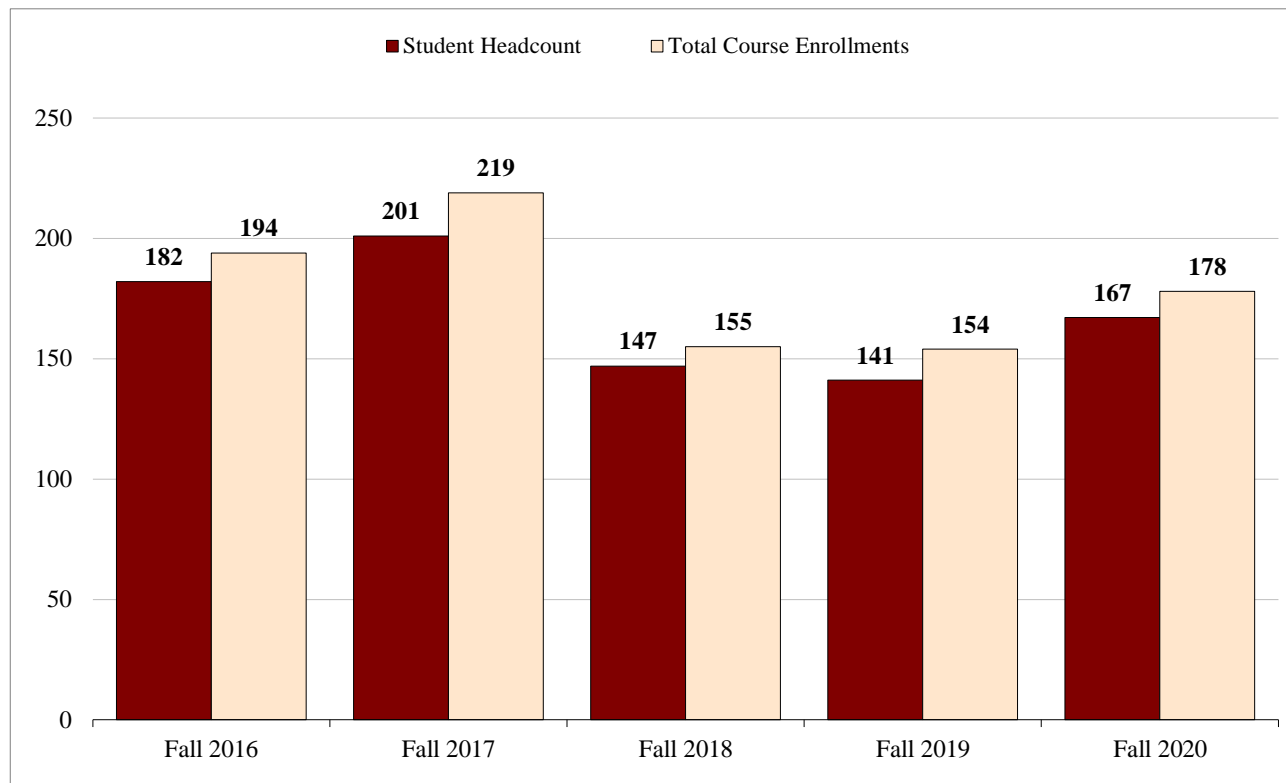
Discipline:

**Astronomy (ASTR)**

<b><u>TABLE OF CONTENTS</u></b>	<b><u>PAGE</u></b>
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
Prior Experience in English & Math .....	13

## Headcount & Enrollment

Astronomy ( ASTR )					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Student Headcount	182	201	147	141	167
Total Course Enrollments	194	219	155	154	178



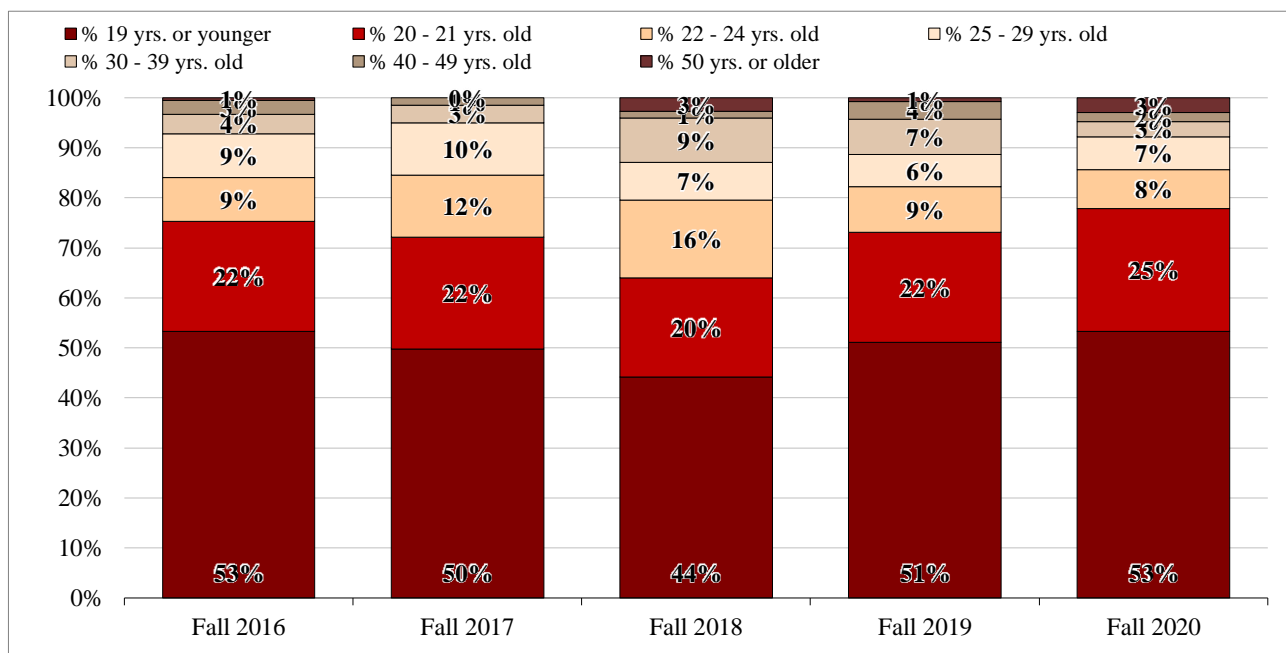
### Definitions:

**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.

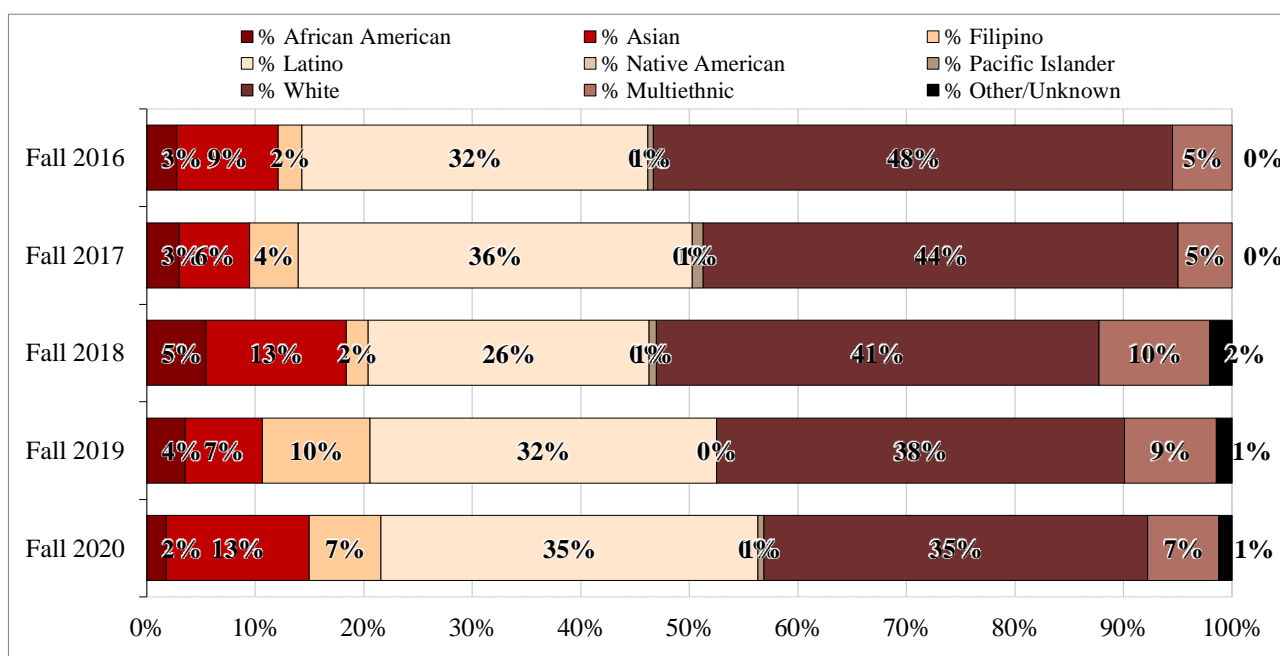
## Student Demographics: Gender & Age

Astronomy ( ASTR )					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Female	67	98	69	66	75
Male	112	99	77	73	87
19 yrs. or younger	97	100	65	72	89
20-21 yrs. old	40	45	29	31	41
22-24 yrs. old	16	25	23	13	13
25-29 yrs. old	16	21	11	9	11
30-39 yrs. old	7	7	13	10	5
40-49 yrs. old	5	3	2	5	3
50 yrs. or older	1	0	4	1	5
% Female	37%	50%	47%	47%	46%
% Male	63%	50%	53%	53%	54%
% 19 yrs. or younger	53%	50%	44%	51%	53%
% 20 - 21 yrs. old	22%	22%	20%	22%	25%
% 22 - 24 yrs. old	9%	12%	16%	9%	8%
% 25 - 29 yrs. old	9%	10%	7%	6%	7%
% 30 - 39 yrs. old	4%	3%	9%	7%	3%
% 40 - 49 yrs. old	3%	1%	1%	4%	2%
% 50 yrs. or older	1%	0%	3%	1%	3%



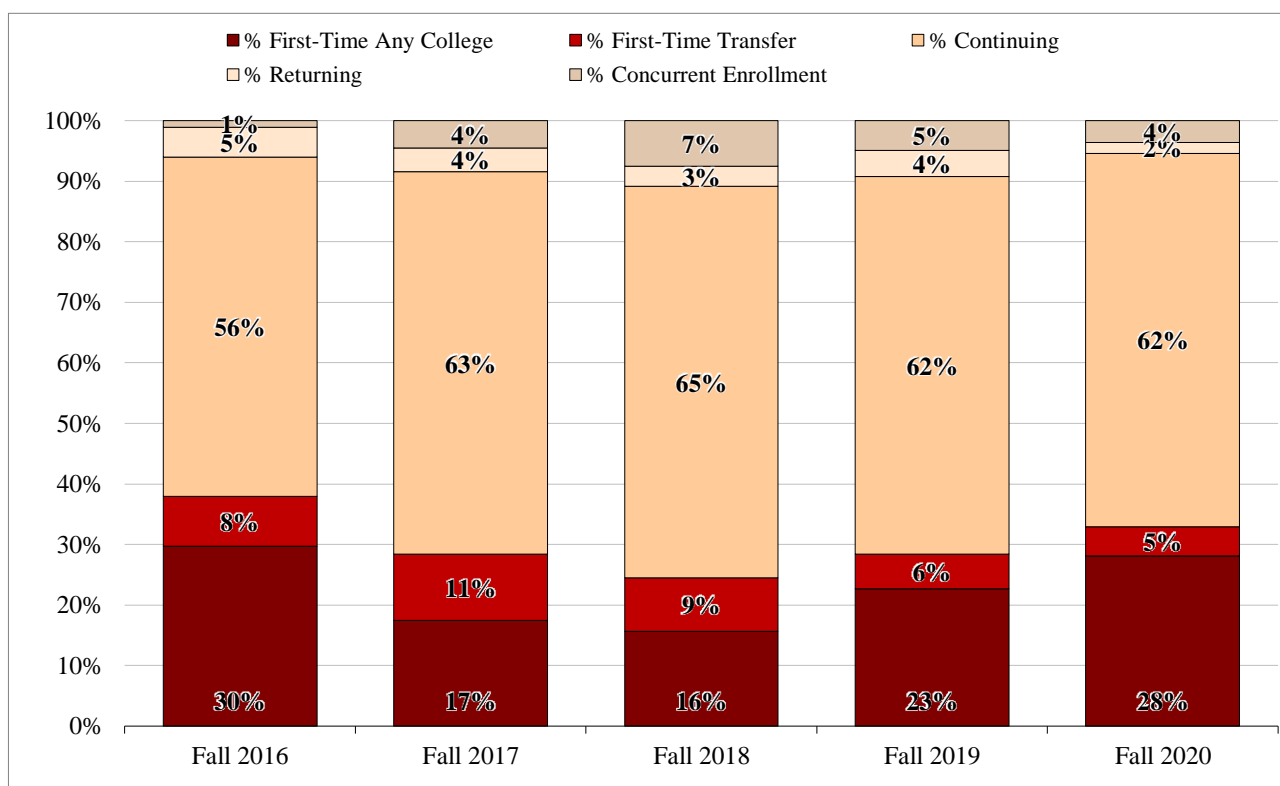
## Student Demographic: Race-Ethnicity

Astronomy ( ASTR )					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
African American	5	6	8	5	3
Asian	17	13	19	10	22
Filipino	4	9	3	14	11
Latino	58	73	38	45	58
Native American	0	0	0	0	0
Pacific Islander	1	2	1	0	1
White	87	88	60	53	59
Multiethnic	10	10	15	12	11
Other/Unknown	0	0	3	2	2
% African American	3%	3%	5%	4%	2%
% Asian	9%	6%	13%	7%	13%
% Filipino	2%	4%	2%	10%	7%
% Latino	32%	36%	26%	32%	35%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	1%	1%	1%	0%	1%
% White	48%	44%	41%	38%	35%
% Multiethnic	5%	5%	10%	9%	7%
% Other/Unknown	0%	0%	2%	1%	1%



## Student Enrollment Status

Astronomy ( ASTR )					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
First-Time Any College	54	35	23	32	47
First-Time Transfer	15	22	13	8	8
Continuing	102	127	95	88	103
Returning	9	8	5	6	3
Concurrent Enrollment	2	9	11	7	6
% First-Time Any College	30%	17%	16%	23%	28%
% First-Time Transfer	8%	11%	9%	6%	5%
% Continuing	56%	63%	65%	62%	62%
% Returning	5%	4%	3%	4%	2%
% Concurrent Enrollment	1%	4%	7%	5%	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.

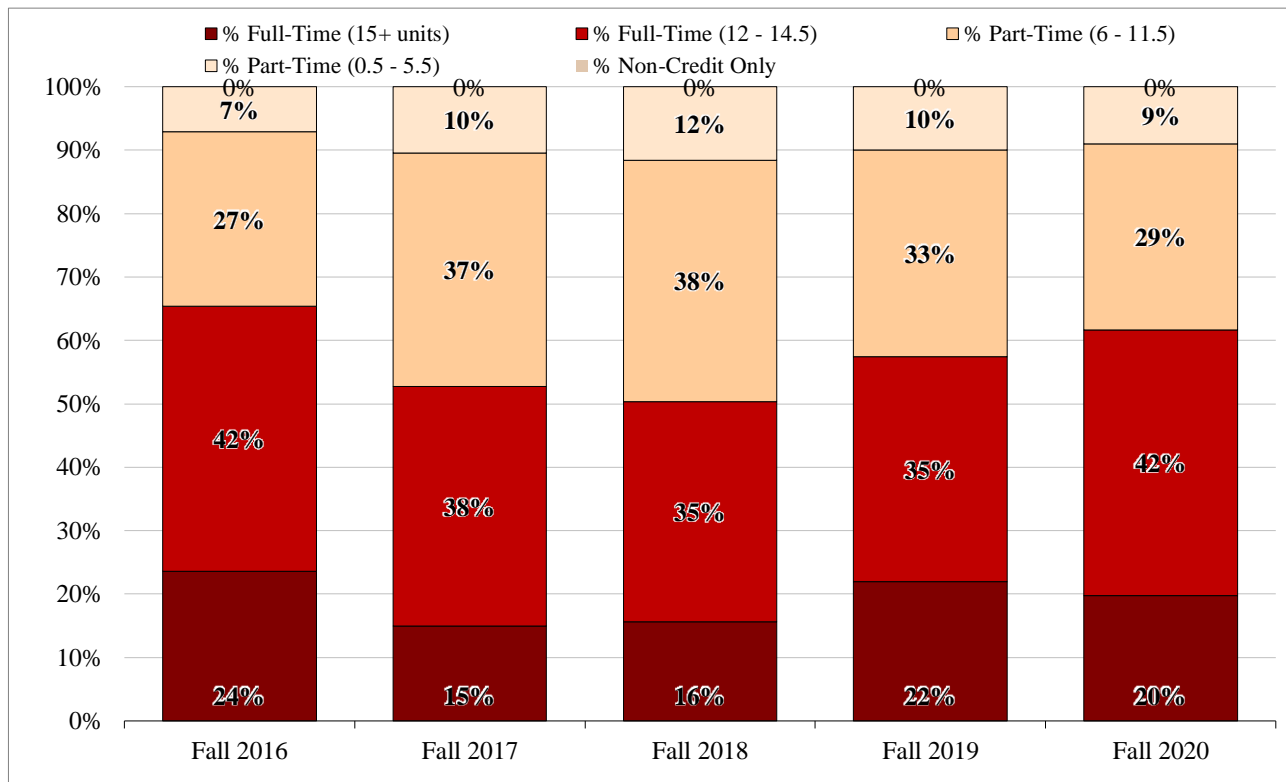
**Continuing:** Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

**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.

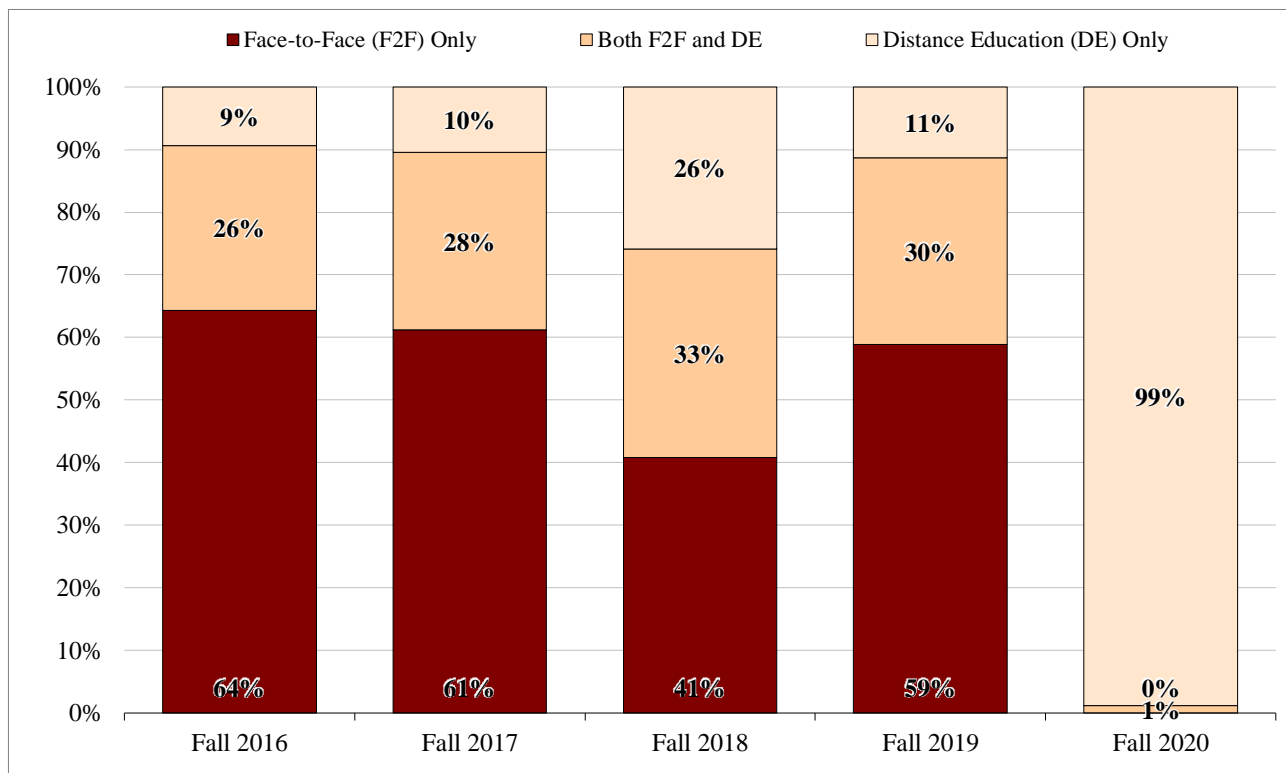
## Student Unit Load

Astronomy ( ASTR )					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Full-Time (15+ units)	43	30	23	31	33
Full-Time (12 - 14.5)	76	76	51	50	70
Part-Time (6 - 11.5)	50	74	56	46	49
Part-Time (0.5 - 5.5)	13	21	17	14	15
Non-Credit Only	—	—	—	—	—
% Full-Time (15+ units)	24%	15%	16%	22%	20%
% Full-Time (12 - 14.5)	42%	38%	35%	35%	42%
% Part-Time (6 - 11.5)	27%	37%	38%	33%	29%
% Part-Time (0.5 - 5.5)	7%	10%	12%	10%	9%
% Non-Credit Only	—	—	—	—	—



## Students Using Distance Education

Astronomy ( ASTR )					
(Categories reflect college-wide coursework)	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Face-to-Face (F2F) Only	117	123	60	83	0
Both F2F and DE	48	57	49	42	2
Distance Education (DE) Only	17	21	38	16	165
% Face-to-Face (F2F) Only	64%	61%	41%	59%	0%
% Both F2F and DE	26%	28%	33%	30%	1%
% Distance Education (DE) Only	9%	10%	26%	11%	99%

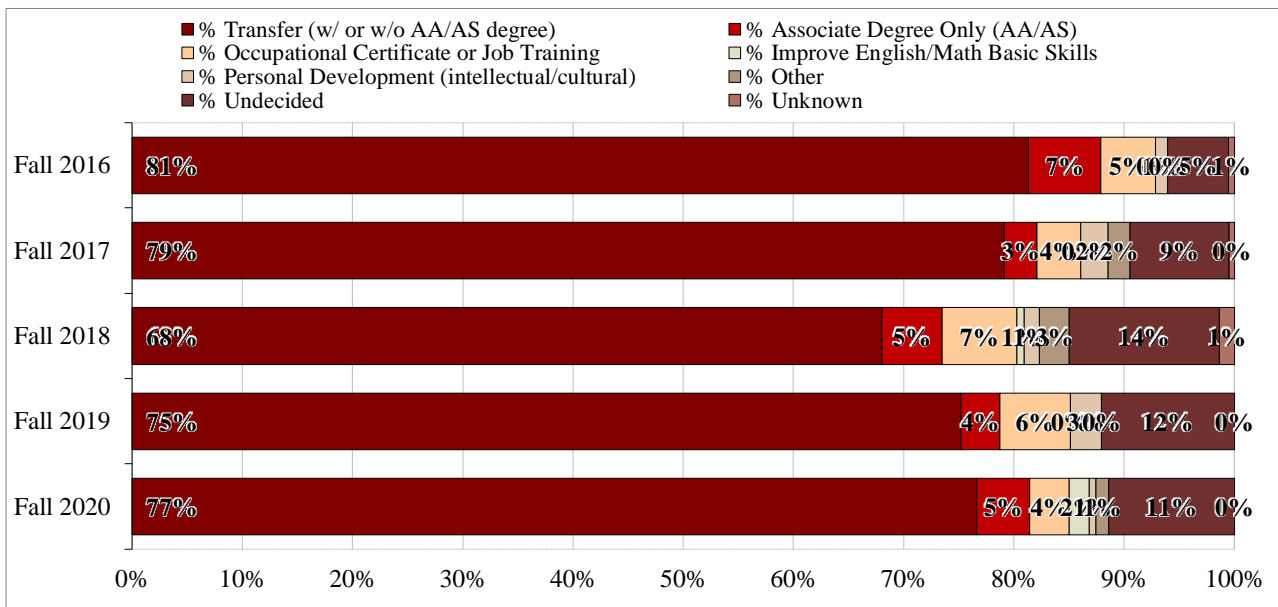


### Definitions:

**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				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Transfer (w/ or w/o AA/AS degree)	148	159	100	106	128
Associate Degree Only (AA/AS)	12	6	8	5	8
Occupational Certificate or Job Training	9	8	10	9	6
Improve English/Math Basic Skills	0	0	1	0	3
Personal Development (intellectual/cultural)	2	5	2	4	1
Other	0	4	4	0	2
Undecided	10	18	20	17	19
Unknown	1	1	2	0	0
% Transfer (w/ or w/o AA/AS degree)	81%	79%	68%	75%	77%
% Associate Degree Only (AA/AS)	7%	3%	5%	4%	5%
% Occupational Certificate or Job Training	5%	4%	7%	6%	4%
% Improve English/Math Basic Skills	0%	0%	1%	0%	2%
% Personal Development (intellectual/cultural)	1%	2%	1%	3%	1%
% Other	0%	2%	3%	0%	1%
% Undecided	5%	9%	14%	12%	11%
% 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.

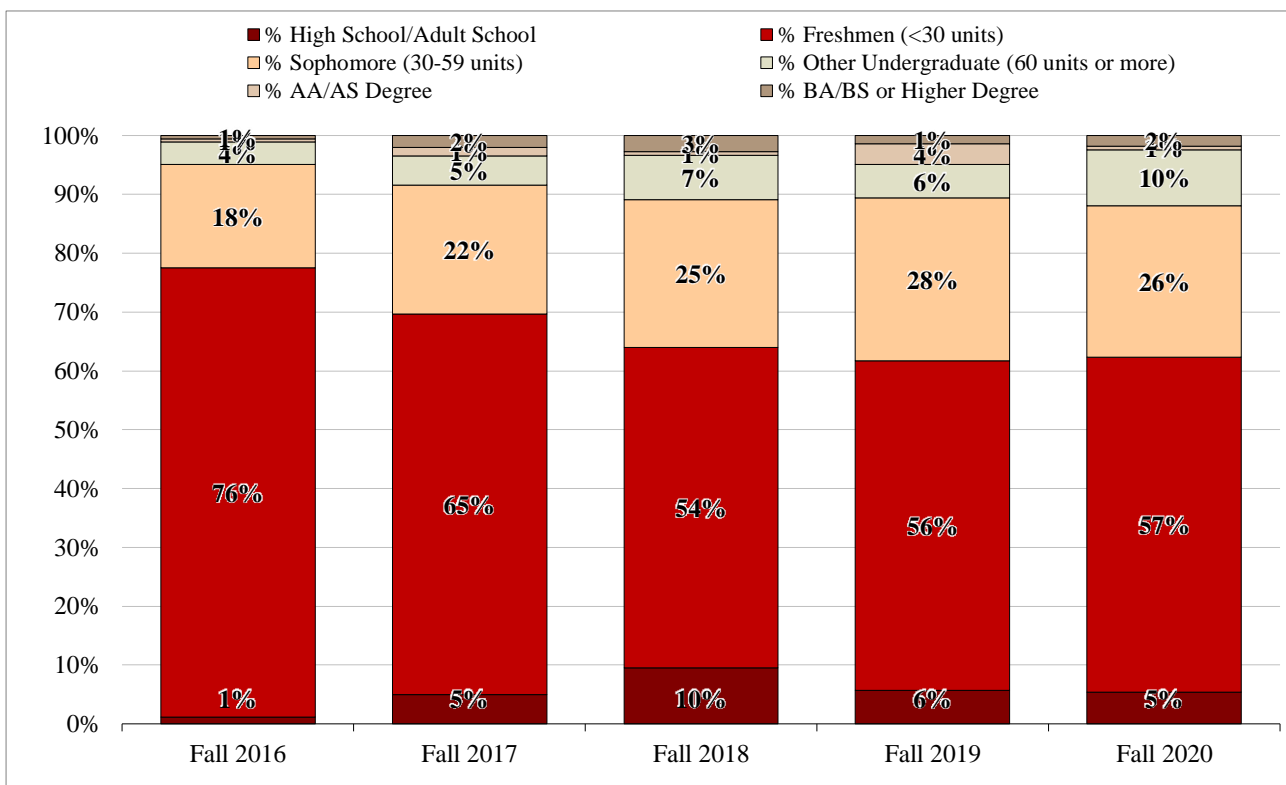
**Personal Development:** Students taking courses for intellectual and/or cultural development.

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



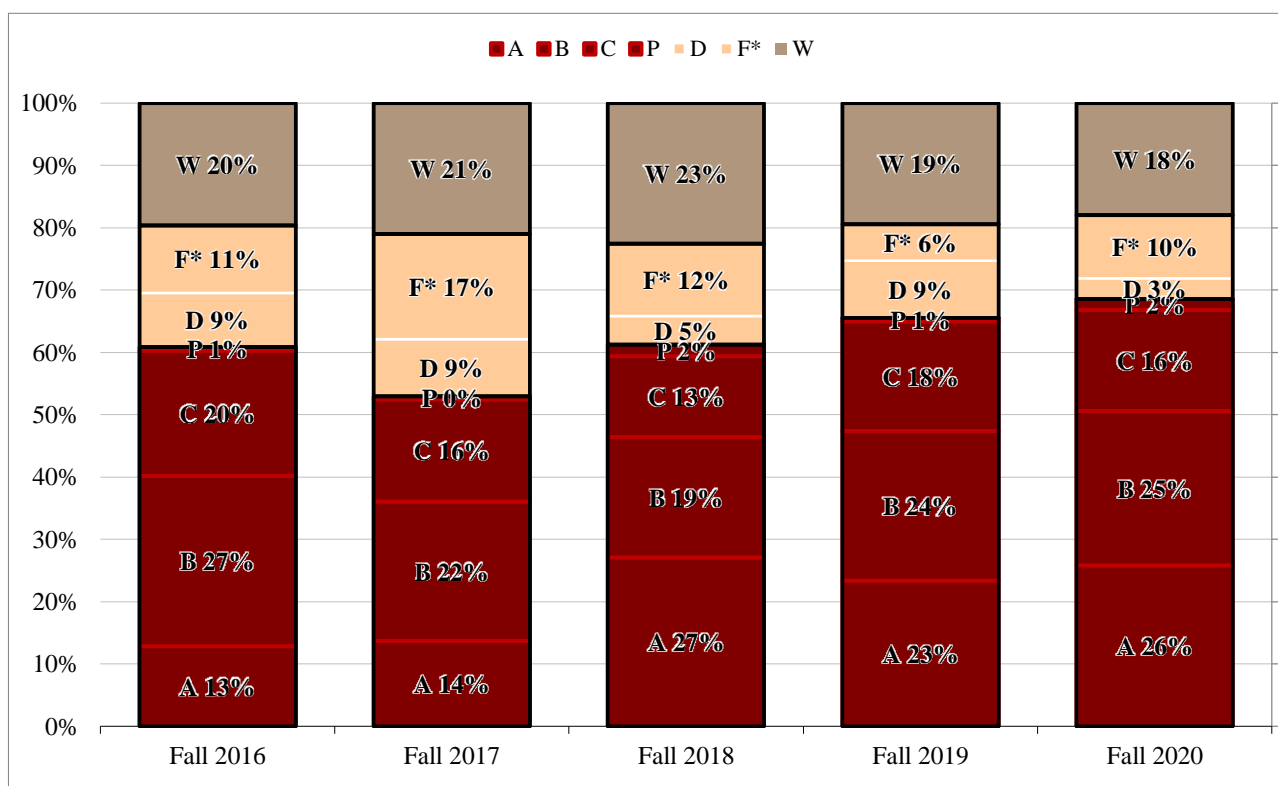
### Highest Educational Level of Students

Astronomy ( ASTR )					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
High School/Adult School	2	10	14	8	9
Freshmen (<30 units)	139	130	80	79	95
Sophomore (30-59 units)	32	44	37	39	43
Other Undergraduate (60 units or more)	7	10	11	8	16
AA/AS Degree	1	3	1	5	1
BA/BS or Higher Degree	1	4	4	2	3
% High School/Adult School	1%	5%	10%	6%	5%
% Freshmen (<30 units)	76%	65%	54%	56%	57%
% Sophomore (30-59 units)	18%	22%	25%	28%	26%
% Other Undergraduate (60 units or more)	4%	5%	7%	6%	10%
% AA/AS Degree	1%	1%	1%	4%	1%
% BA/BS or Higher Degree	1%	2%	3%	1%	2%



## Student Performance: Grade Distribution

Astronomy ( ASTR )					
	Term				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
<b>Total Course Enrollments</b>	<b>194</b>	<b>219</b>	<b>155</b>	<b>154</b>	<b>178</b>
<b>Course Success Rates</b>	<b>61%</b>	<b>53%</b>	<b>61%</b>	<b>66%</b>	<b>69%</b>
A	13%	14%	27%	23%	26%
B	27%	22%	19%	24%	25%
C	20%	16%	13%	18%	16%
P	1%	<1%	2%	1%	2%
<b>Course Non-Success Rate</b>	<b>20%</b>	<b>26%</b>	<b>16%</b>	<b>15%</b>	<b>13%</b>
D	9%	9%	5%	9%	3%
F*	11%	17%	12%	6%	10%
<b>Withdrawals (See Note)</b>	<b>20%</b>	<b>21%</b>	<b>23%</b>	<b>19%</b>	<b>18%</b>



### Definitions:

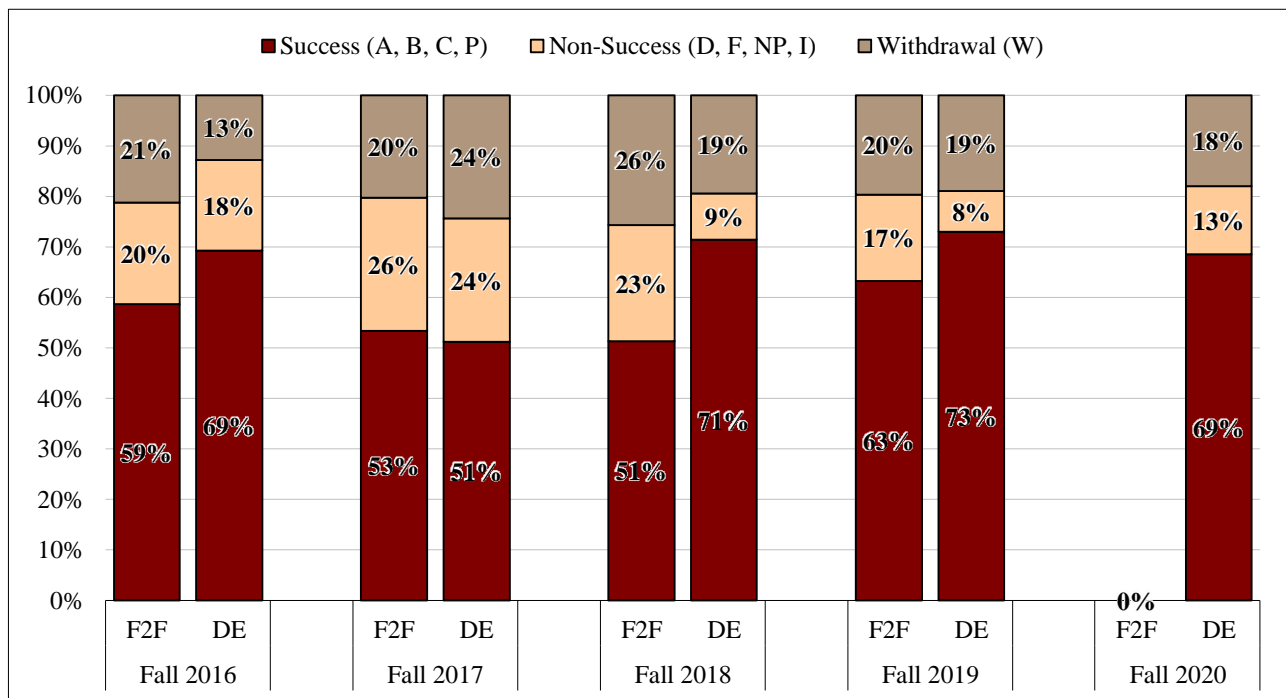
**Course Success Rate:** Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

**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				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
<b>Total Course Enrollments</b>	<b>194</b>	<b>219</b>	<b>155</b>	<b>154</b>	<b>178</b>
<b>Face-to-Face (F2F) Sections</b>	<b>155</b>	<b>178</b>	<b>78</b>	<b>117</b>	<b>0</b>
Success Rates	59%	53%	51%	63%	—
Non-Success Rates	20%	26%	23%	17%	—
Withdrawals	21%	20%	26%	20%	—
<b>Distance Education (DE) Sections</b>	<b>39</b>	<b>41</b>	<b>77</b>	<b>37</b>	<b>178</b>
Success Rates	69%	51%	71%	73%	69%
Non-Success Rates	18%	24%	9%	8%	13%
Withdrawals	13%	24%	19%	19%	18%



### Definitions:

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

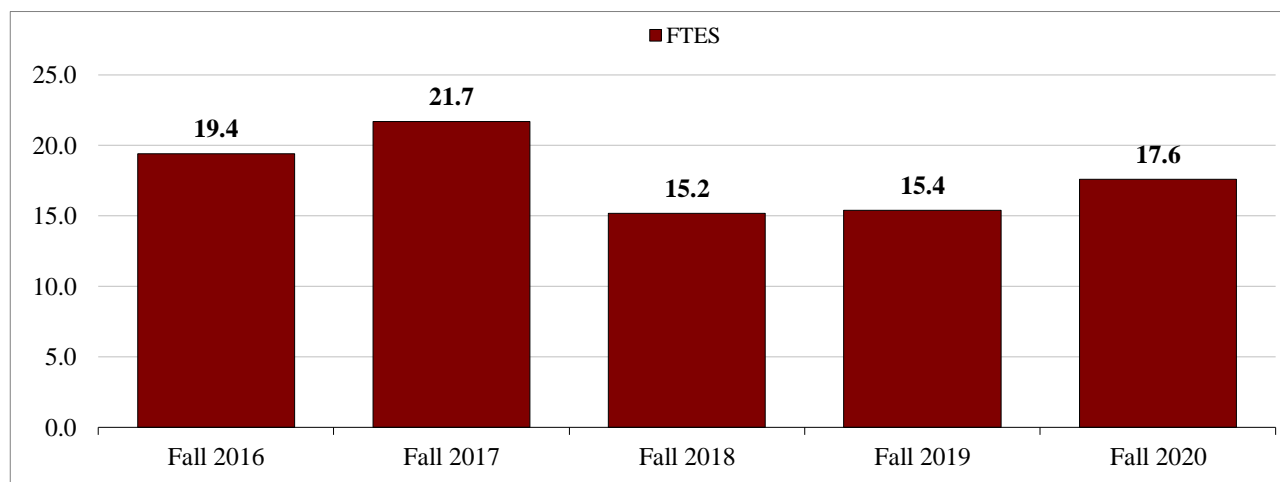
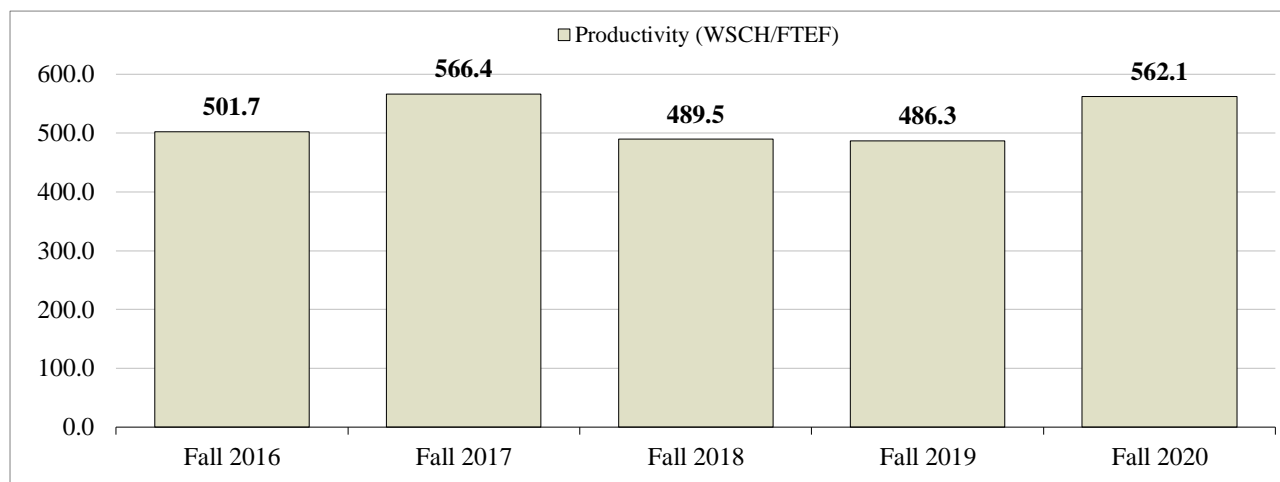
**Course Non-Success Rate:** Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

**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				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
WSCH	582	657	465	462	534
FTES	19.4	21.7	15.2	15.4	17.6
FTEF	1.2	1.2	1.0	1.0	1.0
Productivity (WSCH/FTEF)	501.7	566.4	489.5	486.3	562.1



### 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.

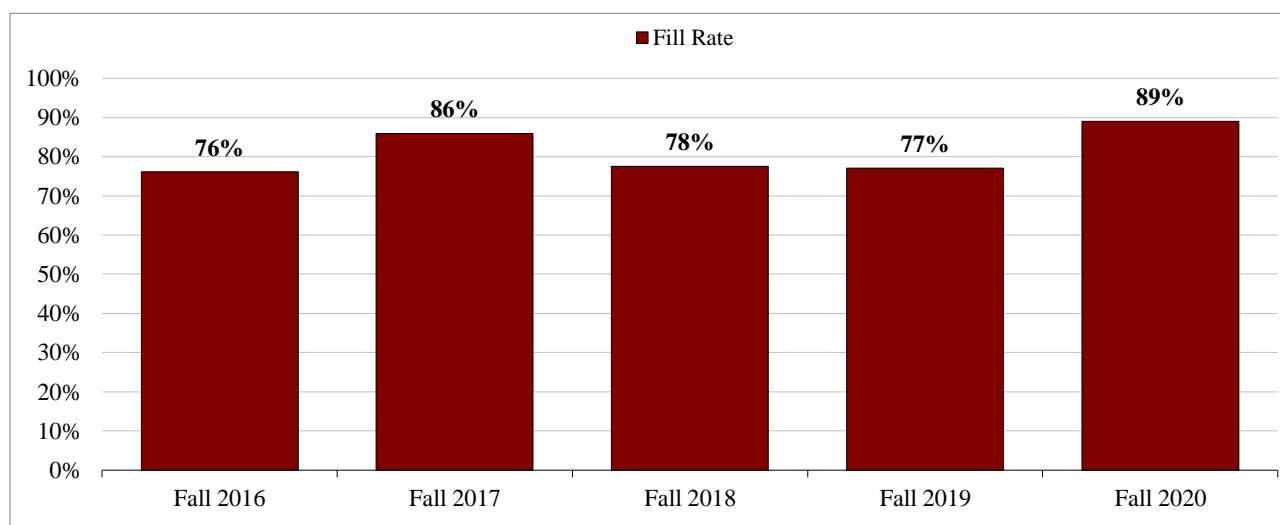
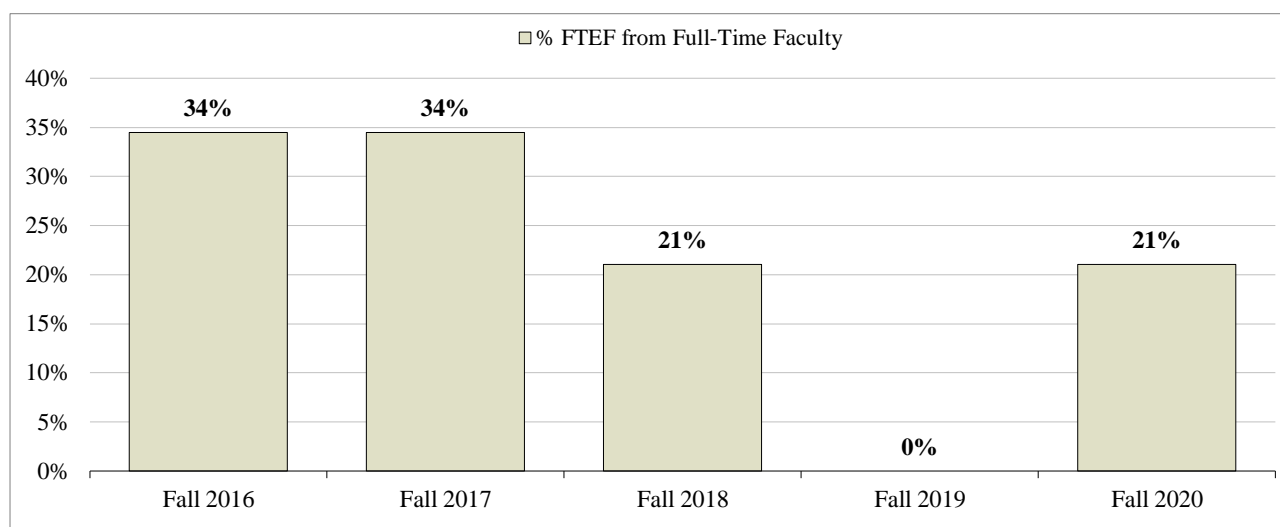
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

**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				
	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
FTEF from Full-Time Faculty	0.4	0.4	0.2	0.0	0.2
% FTEF from Full-Time Faculty	34%	34%	21%	0%	21%
Enrollments	194	219	155	154	178
Capacity (seats available)	255	255	200	200	200
Fill Rate	76%	86%	78%	77%	89%



### Definitions:

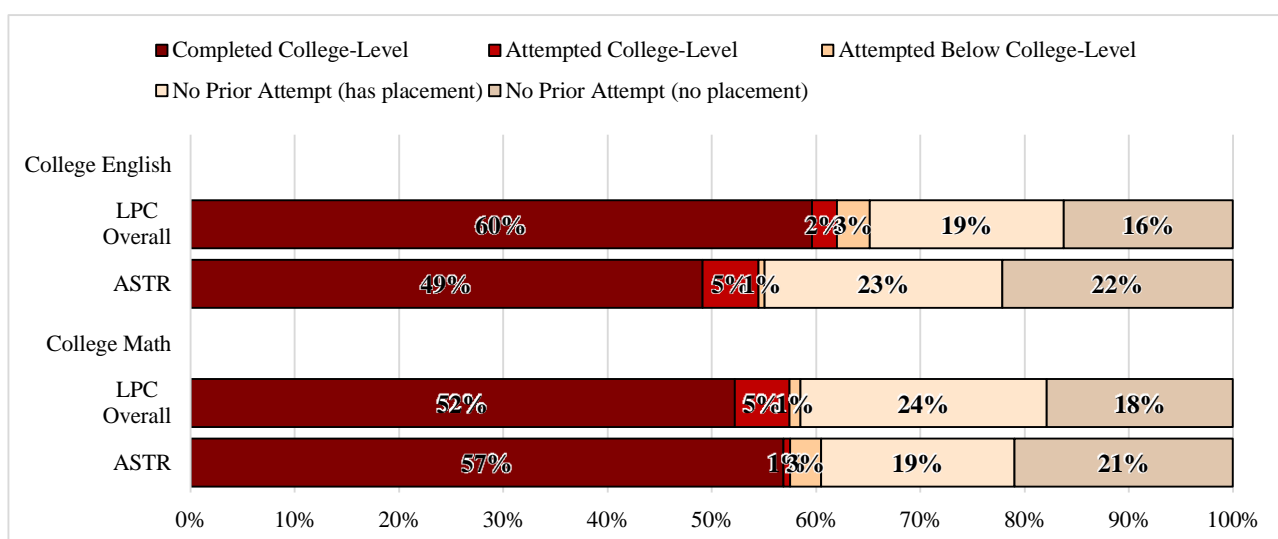
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% 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 2020				
	ASTR		LPC Overall	
	Num	Pct	Num	Pct
<b>College English</b>				
Completed College-level	82	49%	4,353	52%
Attempted College-level	9	5%	438	5%
Attempted Below College-level	1	1%	86	1%
No Prior Attempt (has placement)	38	23%	1,974	24%
No Prior Attempt (no placement)	37	22%	1,489	18%
<b>College Math</b>				
Completed College-level	95	57%	4,972	60%
Attempted College-level	1	1%	199	2%
Attempted Below College-level	5	3%	261	3%
No Prior Attempt (has placement)	31	19%	1,555	19%
No Prior Attempt (no placement)	35	21%	1,353	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.