



Las Positas College

**Discipline Program Review Data Packet**

Fall 2018 to Spring 2023

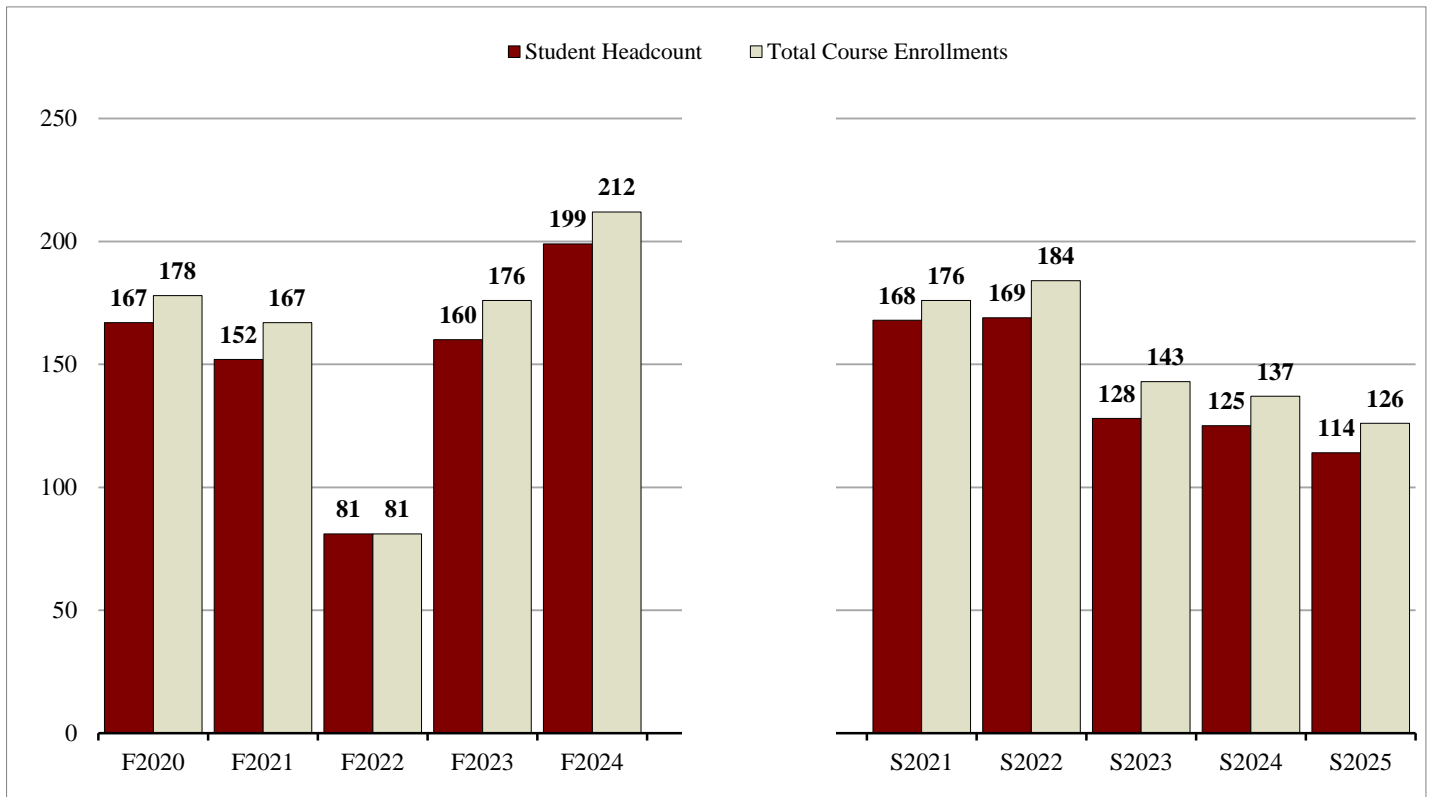
Discipline:

**Astronomy (ASTR)**

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## Headcount & Enrollment

Astronomy ( ASTR )										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Student Headcount	167	152	81	160	199	168	169	128	125	114
Total Course Enrollments	178	167	81	176	212	176	184	143	137	126



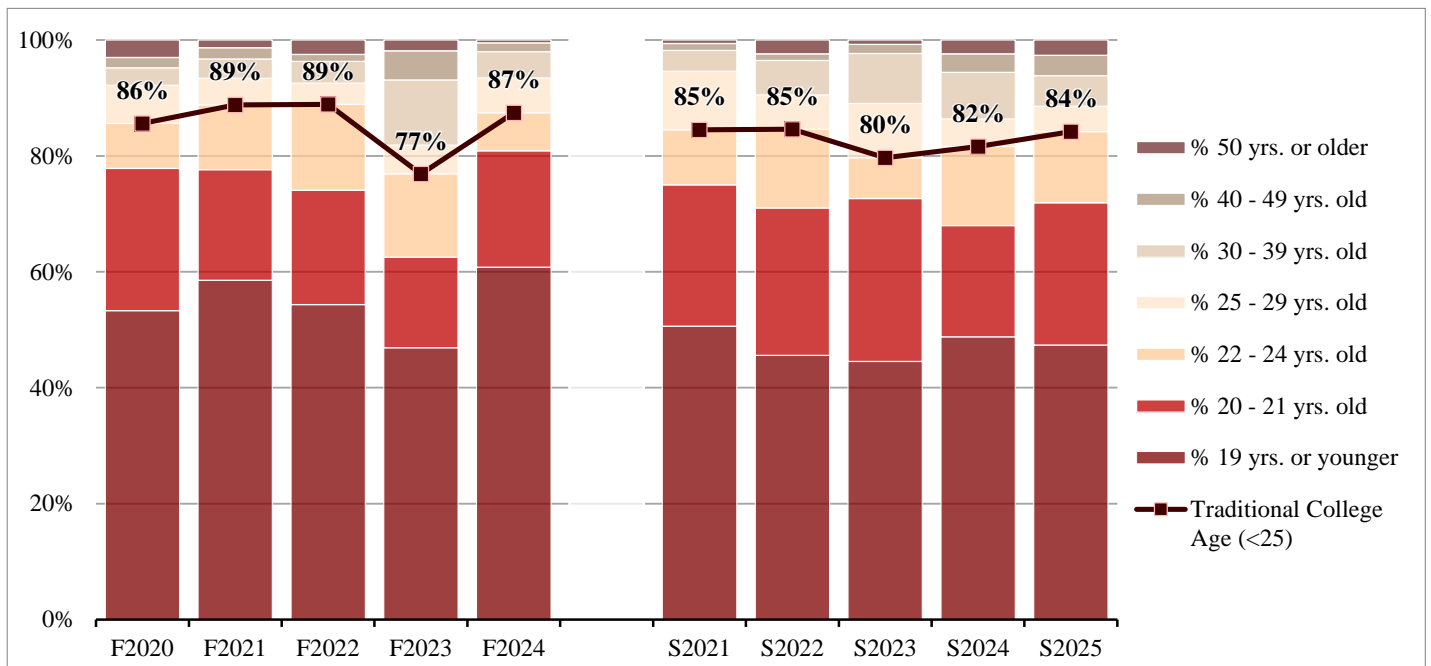
### Definitions:

**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.

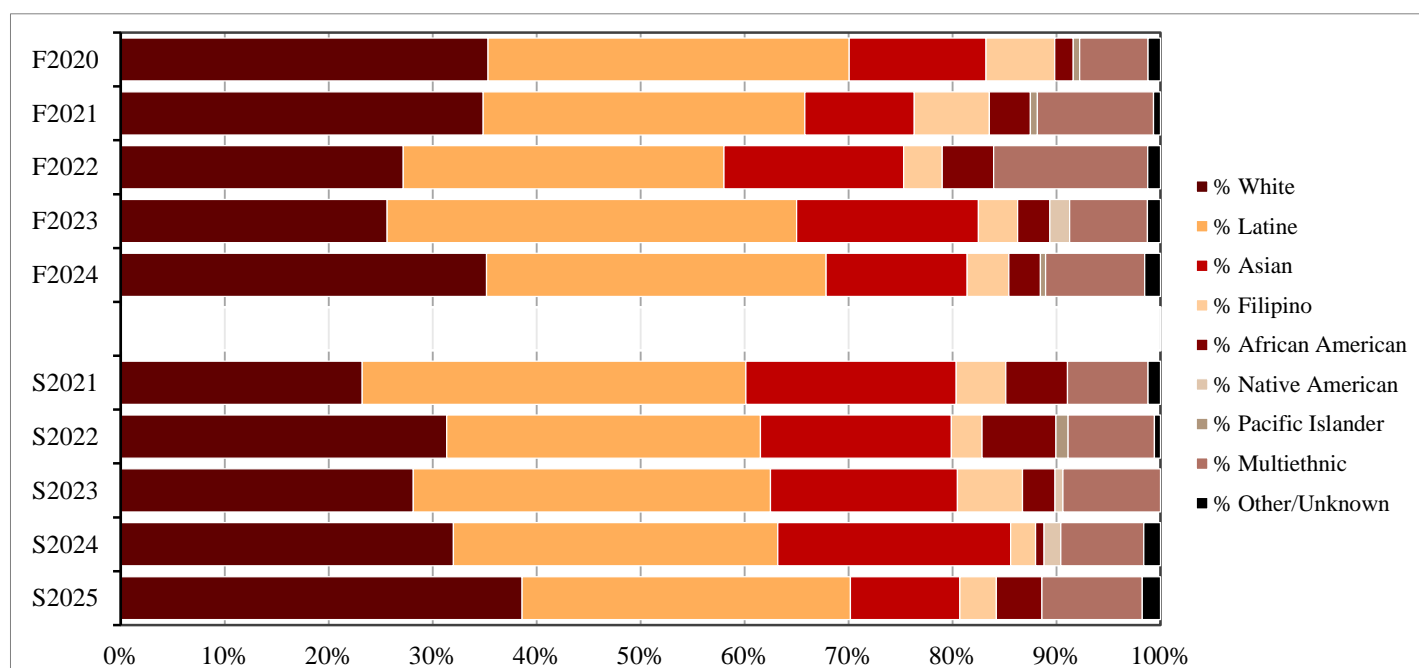
## Student Demographics: Gender & Age

Astronomy ( ASTR )										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Female	75	82	42	85	83	90	81	74	71	51
Male	87	68	38	67	95	74	85	54	42	59
19 yrs. or younger	89	89	44	75	121	85	77	57	61	54
20-21 yrs. old	41	29	16	25	40	41	43	36	24	28
22-24 yrs. old	13	17	12	23	13	16	23	9	17	14
25-29 yrs. old	11	7	3	8	12	17	10	12	6	5
30-39 yrs. old	5	5	3	18	9	6	10	11	10	6
40-49 yrs. old	3	3	1	8	3	2	2	2	4	4
50 yrs. or older	5	2	2	3	1	1	4	1	3	3
% Female	46%	55%	53%	56%	47%	55%	49%	58%	63%	46%
% Male	54%	45%	48%	44%	53%	45%	51%	42%	37%	54%
% 19 yrs. or younger	53%	59%	54%	47%	61%	51%	46%	45%	49%	47%
% 20 - 21 yrs. old	25%	19%	20%	16%	20%	24%	25%	28%	19%	25%
% 22 - 24 yrs. old	8%	11%	15%	14%	7%	10%	14%	7%	14%	12%
% 25 - 29 yrs. old	7%	5%	4%	5%	6%	10%	6%	9%	5%	4%
% 30 - 39 yrs. old	3%	3%	4%	11%	5%	4%	6%	9%	8%	5%
% 40 - 49 yrs. old	2%	2%	1%	5%	2%	1%	1%	2%	3%	4%
% 50 yrs. or older	3%	1%	2%	2%	1%	1%	2%	1%	2%	3%



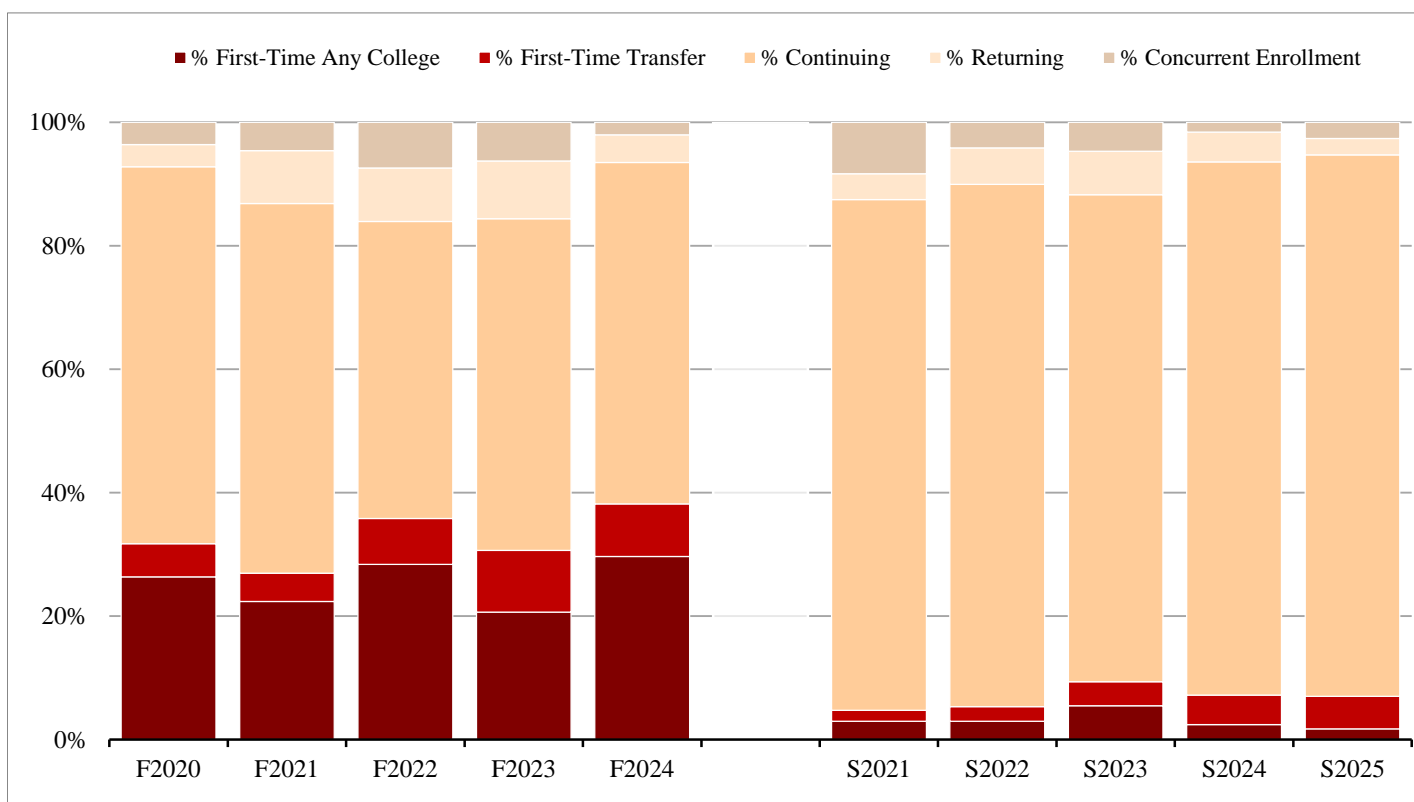
## Student Demographic: Race-Ethnicity

Astronomy ( ASTR )										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
African American	3	6	4	5	6	10	12	4	1	5
Asian	22	16	14	28	27	34	31	23	28	12
Filipino	11	11	3	6	8	8	5	8	3	4
Latine	58	47	25	63	65	62	51	44	39	36
Native American	0	0	0	3	0	0	0	1	2	0
Pacific Islander	1	1	0	0	1	0	2	0	0	0
White	59	53	22	41	70	39	53	36	40	44
Multiethnic	11	17	12	12	19	13	14	12	10	11
Other/Unknown	2	1	1	2	3	2	1	0	2	2
% African American	2%	4%	5%	3%	3%	6%	7%	3%	1%	4%
% Asian	13%	11%	17%	18%	14%	20%	18%	18%	22%	11%
% Filipino	7%	7%	4%	4%	4%	5%	3%	6%	2%	4%
% Latine	35%	31%	31%	39%	33%	37%	30%	34%	31%	32%
% Native American	0%	0%	0%	2%	0%	0%	0%	1%	2%	0%
% Pacific Islander	1%	1%	0%	0%	1%	0%	1%	0%	0%	0%
% White	35%	35%	27%	26%	35%	23%	31%	28%	32%	39%
% Multiethnic	7%	11%	15%	8%	10%	8%	8%	9%	8%	10%
% Other/Unknown	1%	1%	1%	1%	2%	1%	1%	0%	2%	2%



## Student Enrollment Status

Astronomy ( ASTR )										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
First-Time Any College	44	34	23	33	59	5	5	7	3	2
First-Time Transfer	9	7	6	16	17	3	4	5	6	6
Continuing	102	91	39	86	110	139	143	101	108	100
Returning	6	13	7	15	9	7	10	9	6	3
Concurrent Enrollment	6	7	6	10	4	14	7	6	2	3
% First-Time Any College	26%	22%	28%	21%	30%	3%	3%	5%	2%	2%
% First-Time Transfer	5%	5%	7%	10%	9%	2%	2%	4%	5%	5%
% Continuing	61%	60%	48%	54%	55%	83%	85%	79%	86%	88%
% Returning	4%	9%	9%	9%	5%	4%	6%	7%	5%	3%
% Concurrent Enrollment	4%	5%	7%	6%	2%	8%	4%	5%	2%	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.

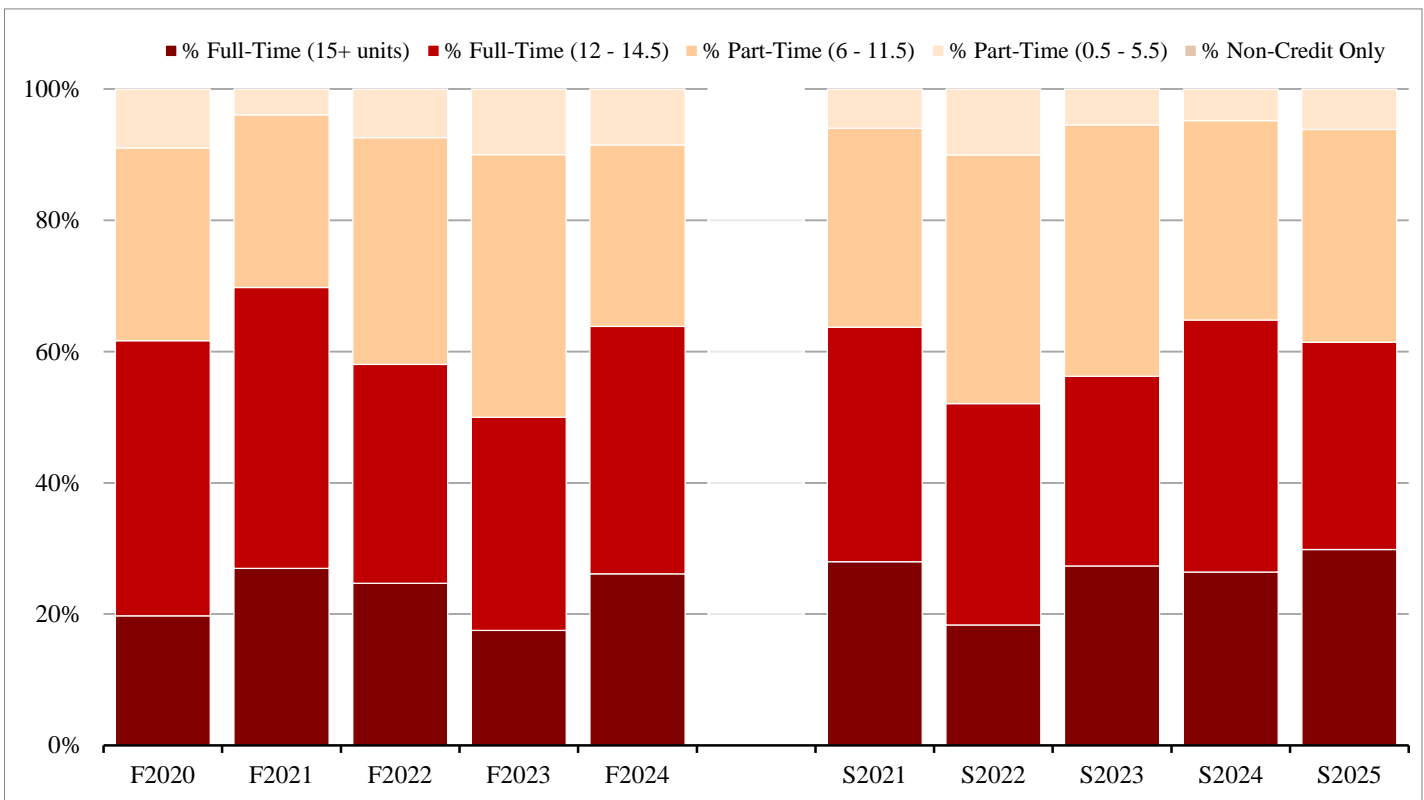
**Continuing:** Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

**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.

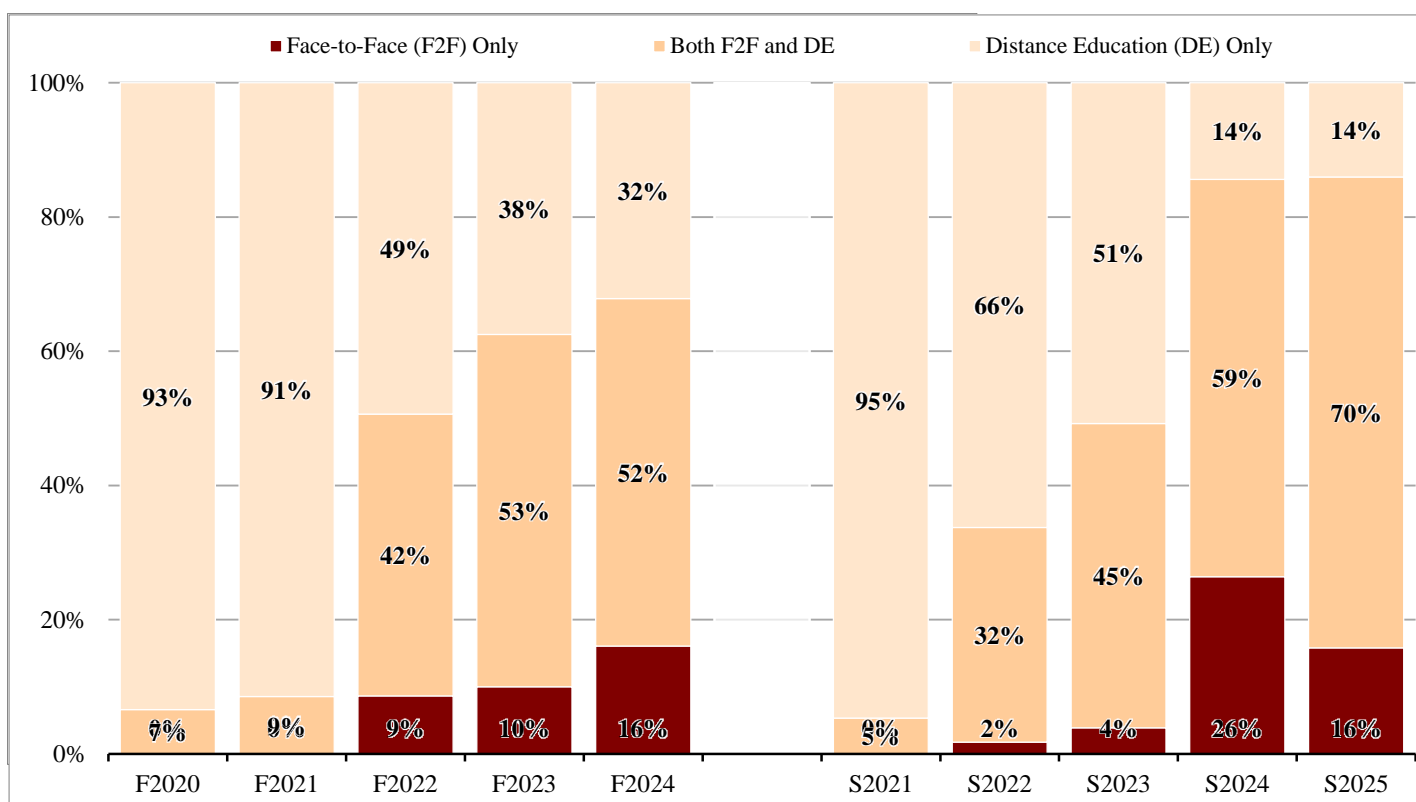
### Student Unit Load

Astronomy ( ASTR )										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Full-Time (15+ units)	33	41	20	28	52	47	31	35	33	34
Full-Time (12 - 14.5 units)	70	65	27	52	75	60	57	37	48	36
Part-Time (6 - 11.5 units)	49	40	28	64	55	51	64	49	38	37
Part-Time (0.5 - 5.5 units)	15	6	6	16	17	10	17	7	6	7
Non-Credit Only	—	—	—	—	—	—	—	—	—	—
% Full-Time (15+ units)	20%	27%	25%	18%	26%	28%	18%	27%	26%	30%
% Full-Time (12 - 14.5)	42%	43%	33%	33%	38%	36%	34%	29%	38%	32%
% Part-Time (6 - 11.5)	29%	26%	35%	40%	28%	30%	38%	38%	30%	32%
% Part-Time (0.5 - 5.5)	9%	4%	7%	10%	9%	6%	10%	5%	5%	6%
% Non-Credit Only	—	—	—	—	—	—	—	—	—	—



## Students Using Distance Education

Astronomy ( ASTR )										
<i>(Categories reflect college-wide coursework)</i>	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Face-to-Face (F2F) Only	0	0	7	16	32	0	3	5	33	18
Both F2F and DE	11	13	34	84	103	9	54	58	74	80
Distance Education (DE) Only	156	139	40	60	64	159	112	65	18	16
% Face-to-Face (F2F) Only	0%	0%	9%	10%	16%	0%	2%	4%	26%	16%
% Both F2F and DE	7%	9%	42%	53%	52%	5%	32%	45%	59%	70%
% Distance Education (DE) Only	93%	91%	49%	38%	32%	95%	66%	51%	14%	14%



### Definitions:

**Distance Education (DE)** includes enrollments in course sections that deliver course content online. Courses are categorized using the following methods:

Prior to Summer 2020, via section numbers (i.e., start with 'DE', 'HD', 'LD' and 'LO'); courses with 51% of content delivered online.

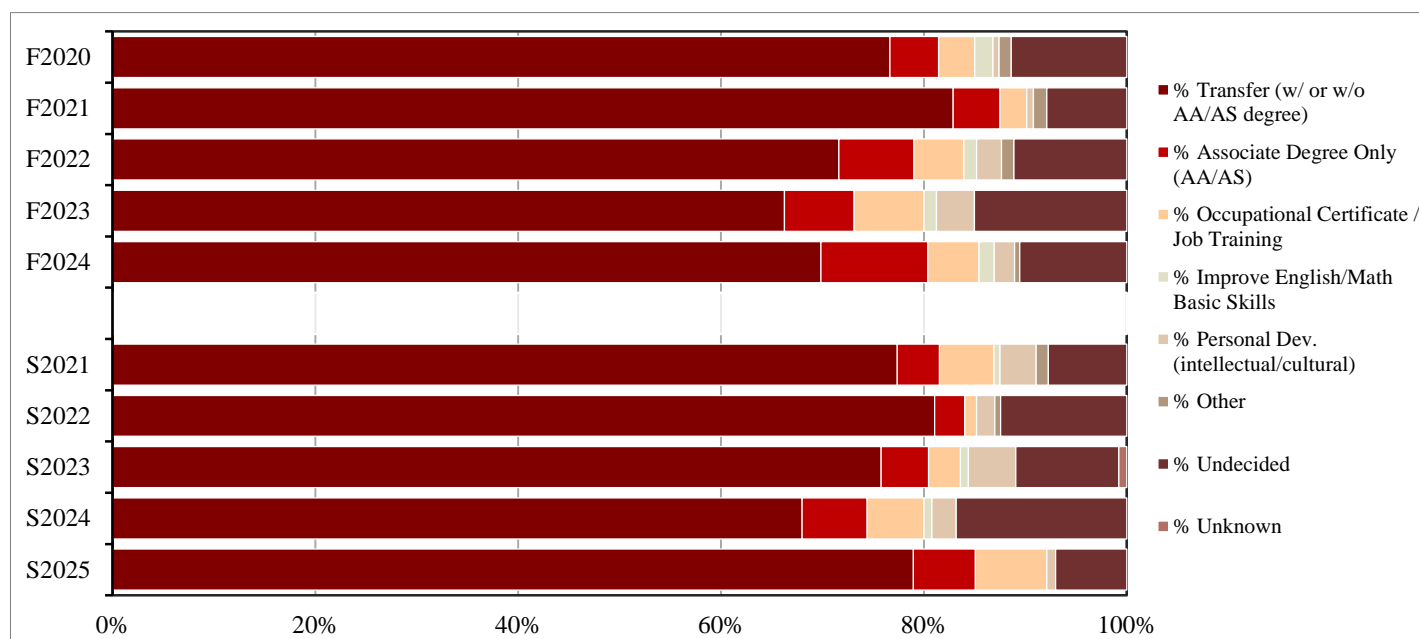
In Summer 2020 and Fall 2020, due to the COVID-19 pandemic, via web comments for each section; identified as any with an online component.

In Spring 2021 and Summer 2021, via section numbers (i.e., 'A##', 'S##', 'B##', 'H##', 'HF#').

Since Fall 2021 to present, via course attributes identifying course modality, or, when no attributes are provided, via section numbers (as previously indicated).

## Student Educational Goal

Astronomy ( ASTR )										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
Transfer (w/ or w/o AA/AS degree)	128	126	58	106	139	130	137	97	85	90
Associate Degree Only (AA/AS)	8	7	6	11	21	7	5	6	8	7
Occupational Certificate / Job Training	6	4	4	11	10	9	2	4	7	8
Improve English/Math Basic Skills	3	0	1	2	3	1	0	1	1	0
Personal Development (intellectual/cultural)	1	1	2	6	4	6	3	6	3	1
Other	2	2	1	0	1	2	1	0	0	0
Undecided	19	12	9	24	21	13	21	13	21	8
Unknown	0	0	0	0	0	0	0	1	0	0
% Transfer (w/ or w/o AA/AS degree)	77%	83%	72%	66%	70%	77%	81%	76%	68%	79%
% Associate Degree Only (AA/AS)	5%	5%	7%	7%	11%	4%	3%	5%	6%	6%
% Occupational Certificate / Job Training	4%	3%	5%	7%	5%	5%	1%	3%	6%	7%
% Improve English/Math Basic Skills	2%	0%	1%	1%	2%	1%	0%	1%	1%	0%
% Personal Dev. (intellectual/cultural)	1%	1%	2%	4%	2%	4%	2%	5%	2%	1%
% Other	1%	1%	1%	0%	1%	1%	1%	0%	0%	0%
% Undecided	11%	8%	11%	15%	11%	8%	12%	10%	17%	7%
% Unknown	0%	0%	0%	0%	0%	0%	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.

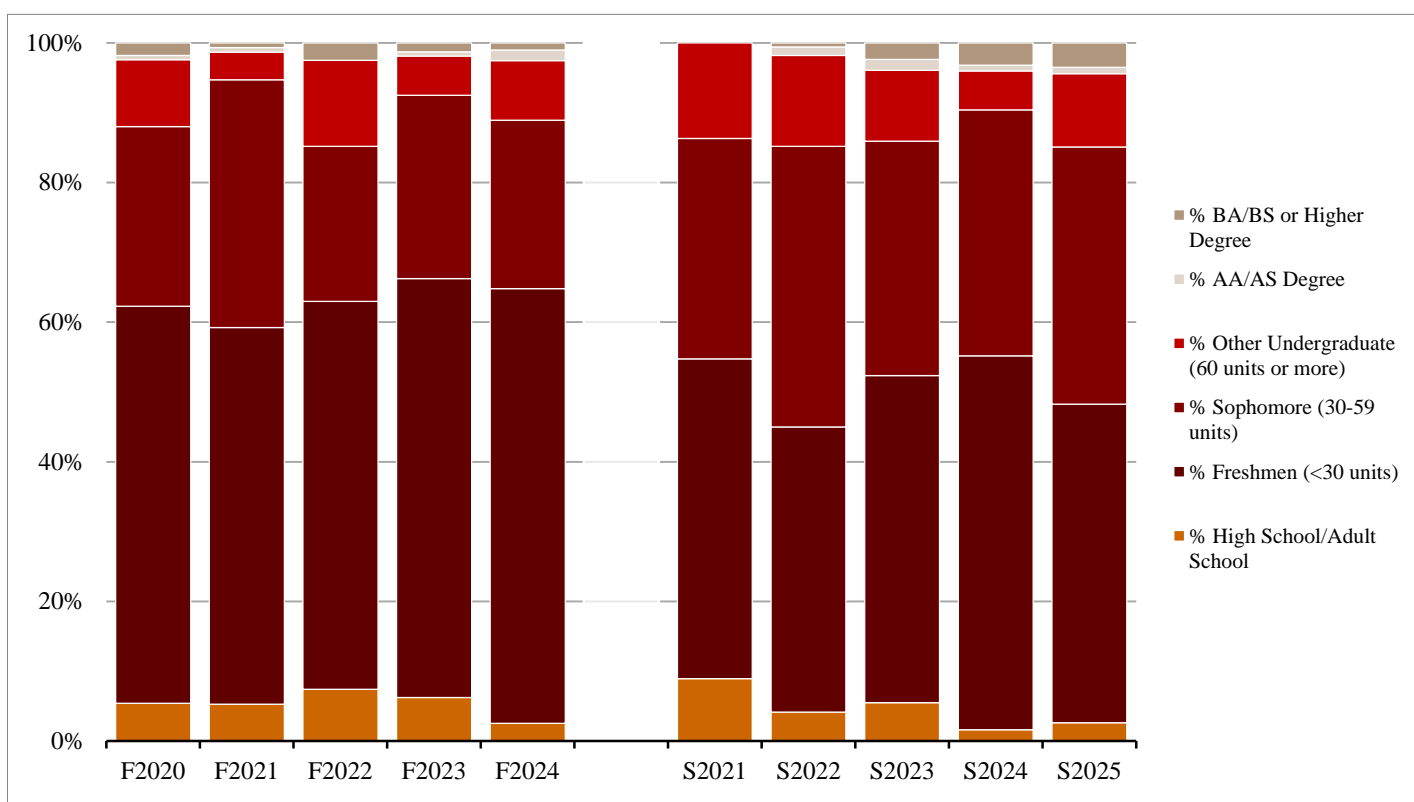
**Personal Development:** Students taking courses for intellectual and/or cultural development.

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



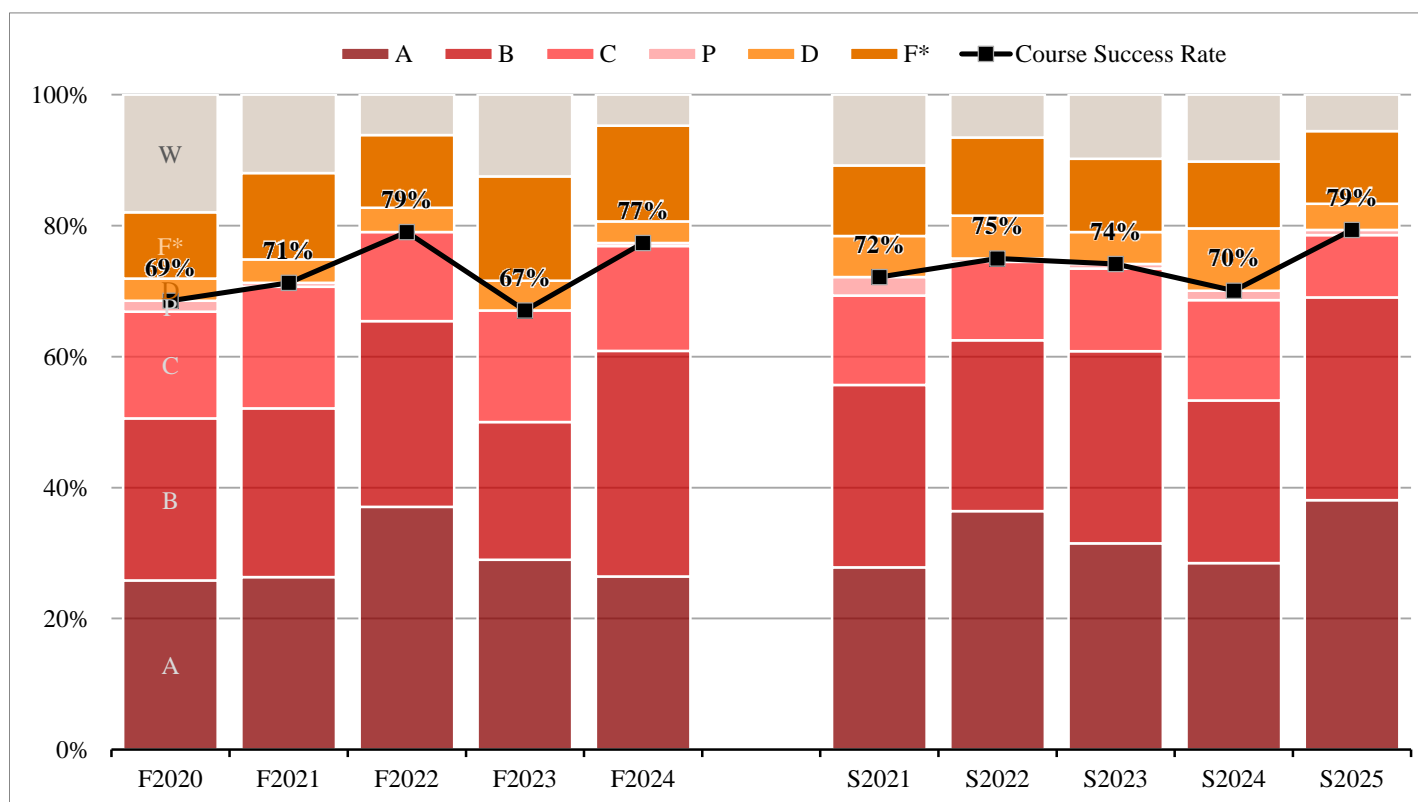
## Highest Educational Level of Students

Astronomy ( ASTR )										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
High School/Adult School	9	8	6	10	5	15	7	7	2	3
Freshmen (<30 units)	95	82	45	96	124	77	69	60	67	52
Sophomore (30-59 units)	43	54	18	42	48	53	68	43	44	42
Other Undergraduate (60 units or more)	16	6	10	9	17	23	22	13	7	12
AA/AS Degree	1	1	0	1	3	0	2	2	1	1
BA/BS or Higher Degree	3	1	2	2	2	0	1	3	4	4
% High School/Adult School	5%	5%	7%	6%	3%	9%	4%	5%	2%	3%
% Freshmen (<30 units)	57%	54%	56%	60%	62%	46%	41%	47%	54%	46%
% Sophomore (30-59 units)	26%	36%	22%	26%	24%	32%	40%	34%	35%	37%
% Other Undergraduate (60 units or more)	10%	4%	12%	6%	9%	14%	13%	10%	6%	11%
% AA/AS Degree	1%	1%	0%	1%	2%	0%	1%	2%	1%	1%
% BA/BS or Higher Degree	2%	1%	2%	1%	1%	0%	1%	2%	3%	4%



# Student Performance: Grade Distribution

Astronomy ( ASTR )										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
<b>Total Course Enrollments</b>	<b>178</b>	<b>167</b>	<b>81</b>	<b>176</b>	<b>212</b>	<b>176</b>	<b>184</b>	<b>143</b>	<b>137</b>	<b>126</b>
<b>Course Success Rates</b>	<b>69%</b>	<b>71%</b>	<b>79%</b>	<b>67%</b>	<b>77%</b>	<b>72%</b>	<b>75%</b>	<b>74%</b>	<b>70%</b>	<b>79%</b>
A	26%	26%	37%	29%	26%	28%	36%	31%	28%	38%
B	25%	26%	28%	21%	34%	28%	26%	29%	25%	31%
C	16%	19%	14%	17%	16%	14%	12%	13%	15%	10%
P	2%	1%	0%	0%	<1%	3%	1%	1%	1%	1%
<b>Course Non-Success Rate</b>	<b>13%</b>	<b>17%</b>	<b>15%</b>	<b>20%</b>	<b>18%</b>	<b>17%</b>	<b>18%</b>	<b>16%</b>	<b>20%</b>	<b>15%</b>
D	3%	4%	4%	5%	3%	6%	7%	5%	9%	4%
F*	10%	13%	11%	16%	15%	11%	12%	11%	10%	11%
<b>Withdrawals (See Note)</b>	<b>18%</b>	<b>12%</b>	<b>6%</b>	<b>13%</b>	<b>5%</b>	<b>11%</b>	<b>7%</b>	<b>10%</b>	<b>10%</b>	<b>6%</b>



## Definitions:

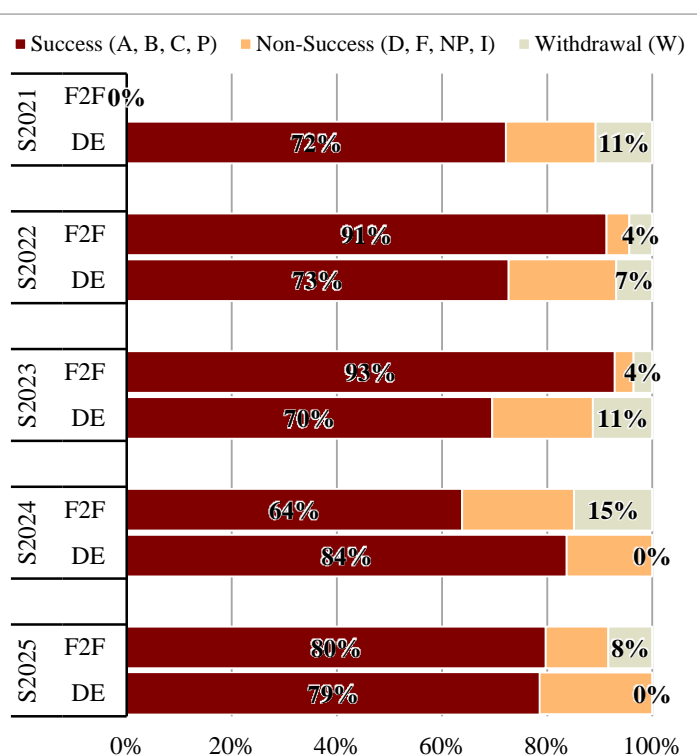
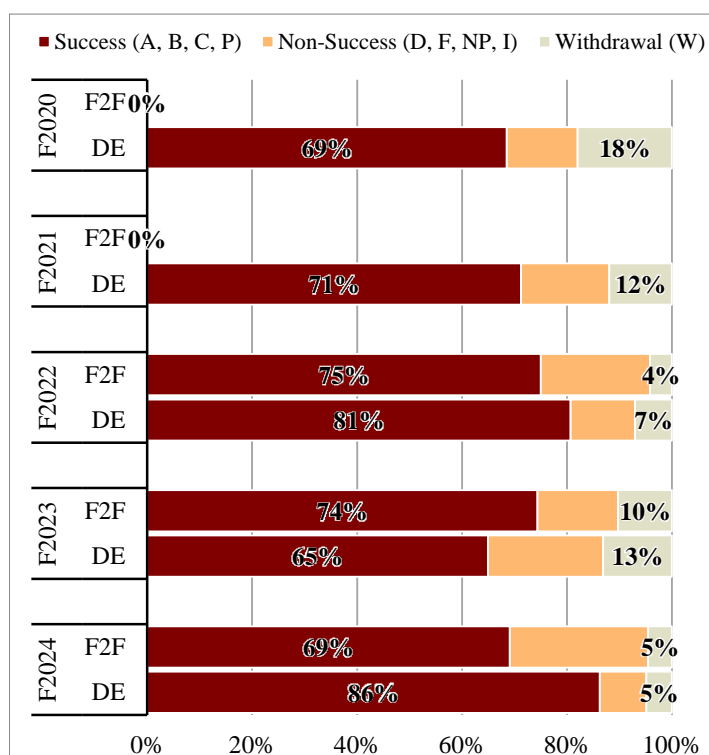
**Course Success Rate:** Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

**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 )										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
<b>Total Course Enrollments</b>	178	167	81	176	212	176	184	143	137	126
<b>Face-to-Face (F2F) Sections</b>	0	0	24	39	110	0	23	28	94	84
Success Rates	—	—	75%	74%	69%	—	91%	93%	64%	80%
Non-Success Rates	—	—	21%	15%	26%	—	4%	4%	21%	12%
Withdrawals	—	—	4%	10%	5%	—	4%	4%	15%	8%
<b>Distance Education (DE) Sections</b>	178	167	57	137	102	176	161	115	43	42
Success Rates	69%	71%	81%	65%	86%	72%	73%	70%	84%	79%
Non-Success Rates	13%	17%	12%	22%	9%	17%	20%	19%	16%	21%
Withdrawals	18%	12%	7%	13%	5%	11%	7%	11%	0%	0%



### Definitions:

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

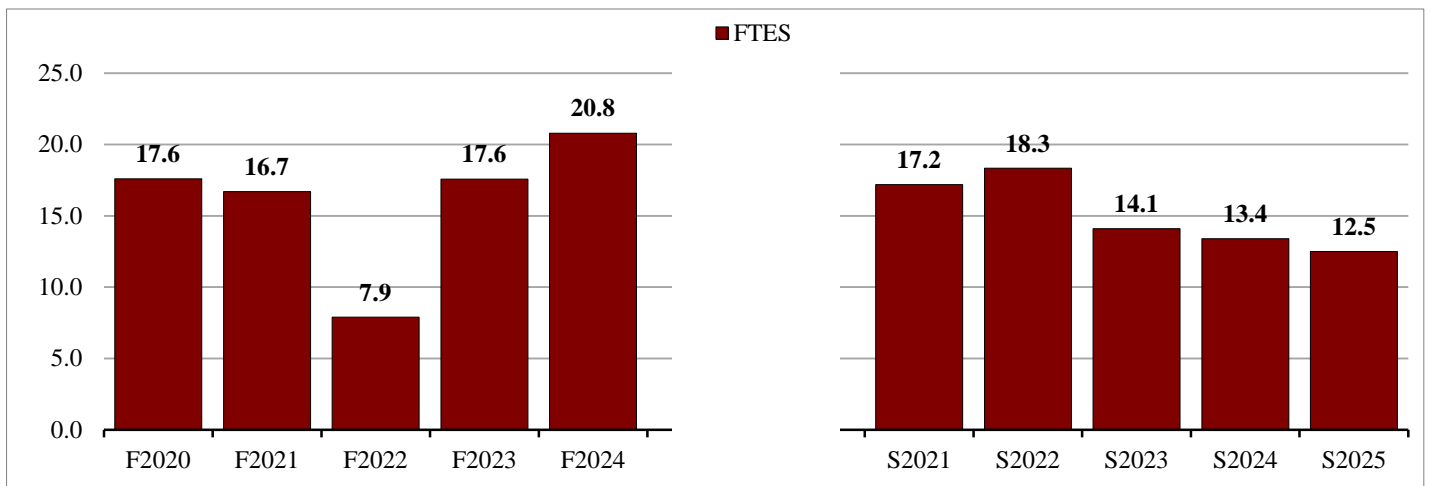
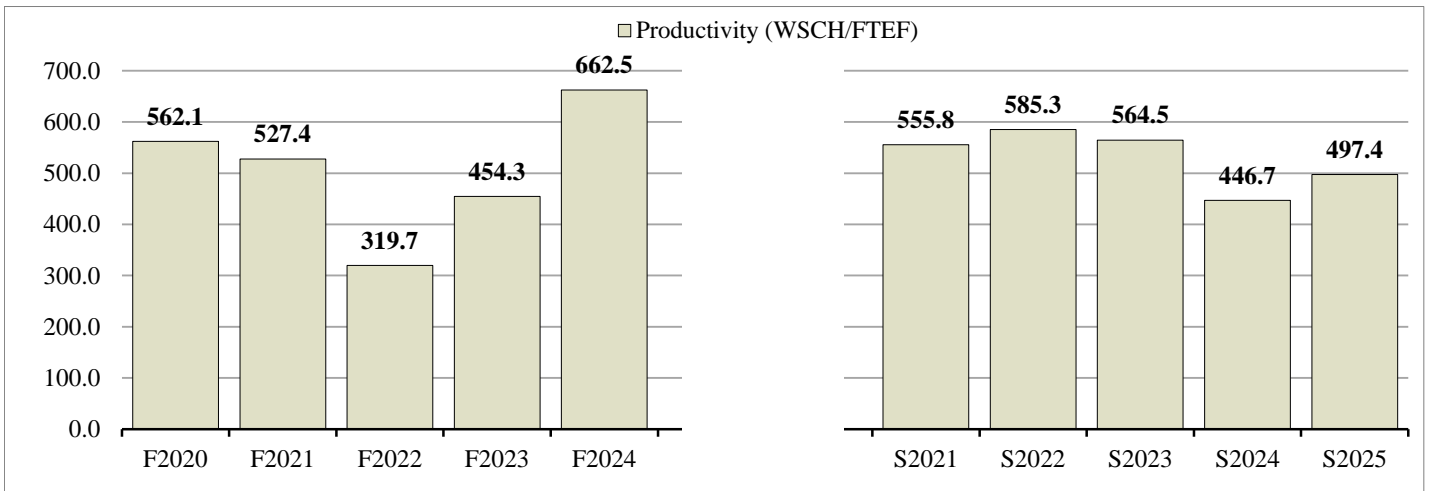
**Course Non-Success Rate:** Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

**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 deliver course content online. (see note in "Students Using Distance Education" for details.)

## Enrollment Management: Part 1

	Astronomy ( ASTR )									
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
WSCH	534	501	243	527	636	528	556	429	411	378
FTES	17.6	16.7	7.9	17.6	20.8	17.2	18.3	14.1	13.4	12.5
FTEF	1.0	1.0	0.8	1.2	1.0	1.0	1.0	0.8	0.9	0.8
Productivity (WSCH/FTEF)	562.1	527.4	319.7	454.3	662.5	555.8	585.3	564.5	446.7	497.4



### 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.

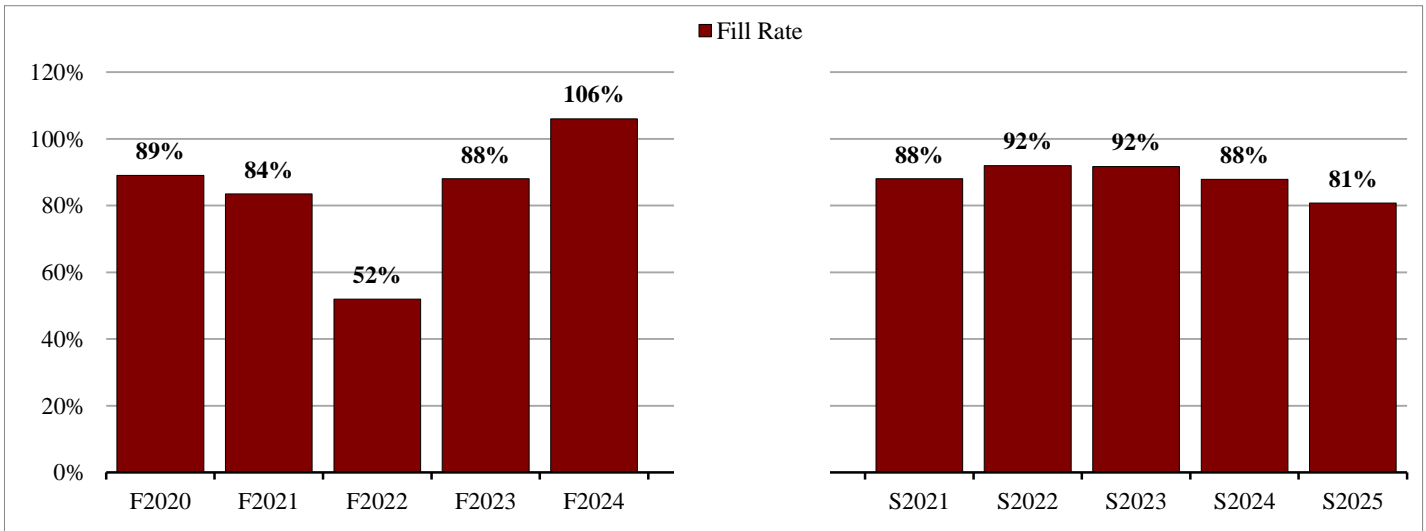
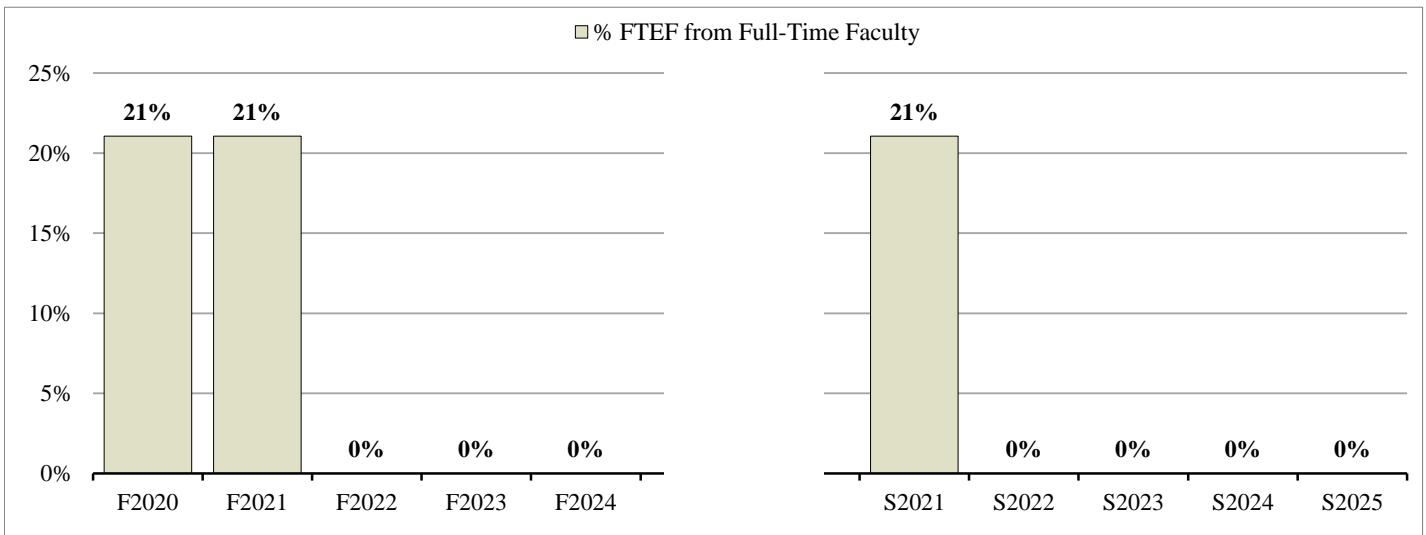
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

**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 7/25/23.

## Enrollment Management: Part 2

Astronomy ( ASTR )										
	Fall Terms					Spring Terms				
	F2020	F2021	F2022	F2023	F2024	S2021	S2022	S2023	S2024	S2025
FTEF from Full-Time Faculty	0.2	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
% FTEF from Full-Time Faculty	21%	21%	0%	0%	0%	21%	0%	0%	0%	0%
Enrollments	178	167	81	176	212	176	184	143	137	126
Capacity (seats available)	200	200	156	200	200	200	200	156	156	156
Fill Rate	89%	84%	52%	88%	106%	88%	92%	92%	88%	81%



### Definitions:

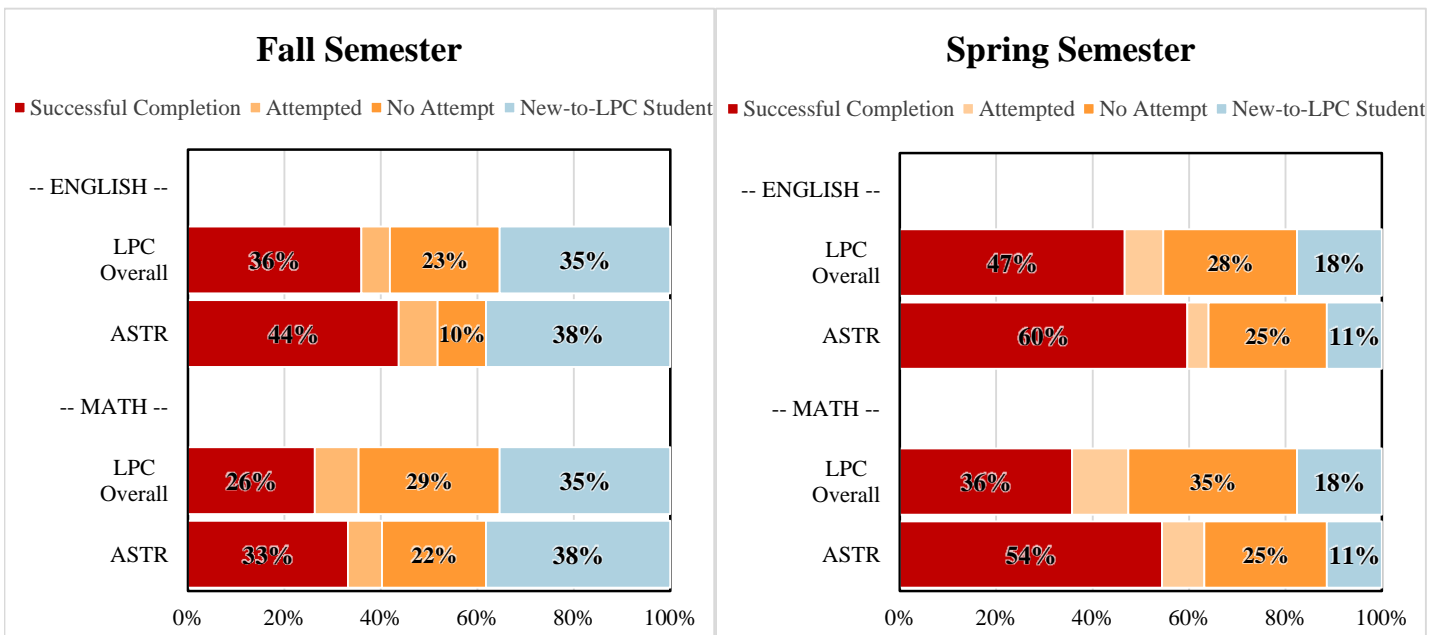
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% 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 7/25/23.

## Prior Experience in English & Math

(English and math status prior to the start of the term)	Fall 2024				Spring 2025			
	ASTR		LPC Overall		ASTR		LPC Overall	
	Num	Pct	Num	Pct	Num	Pct	Num	Pct
<b>Transfer-level English</b>								
Successful Completion*	87	44%	2,993	36%	68	60%	3,734	47%
Attempted (not successful)	16	8%	492	6%	5	4%	641	8%
No Attempt	20	10%	1,892	23%	28	25%	2,223	28%
New-to-LPC Student	76	38%	2,946	35%	13	11%	1,409	18%
<b>Transfer-level Math</b>								
Successful Completion*	66	33%	2,189	26%	62	54%	2,859	36%
Attempted (not successful)	14	7%	757	9%	10	9%	935	12%
No Attempt	43	22%	2,431	29%	29	25%	2,804	35%
New-to-LPC Student	76	38%	2,946	35%	13	11%	1,409	18%



### Definitions:

#### Transfer-Level English:

**Successful Completion** = earned a passing grade in ENG 1A or 1AEX, or attempted a higher transfer-level course in the sequence in prior terms.

**Attempted (no successful completion)** = attempted ENG 1A or 1AEX in prior terms but did not receive a passing grade.

**No Prior Attempt** = no prior enrollment in transfer-level English within the sequence.

**New-to-LPC Student** = students with no for credit enrollments within our district prior to the current term.

#### Transfer-Level Math:

**Successful Completion** = earned a passing grade in a transfer-level math course or attempted a higher transfer-level course in the sequence in prior terms.

**Attempted (no successful completion)** = attempted a entry transfer-level math course in prior terms but did not receive a passing grade.

**No Prior Attempt** = no prior enrollment in transfer-level math within the sequence.

**New-to-LPC Student** = students with no for credit enrollments within our district prior to the current term.