



Las Positas College
Discipline Program Review Data Packet
Fall 2018 to Spring 2023

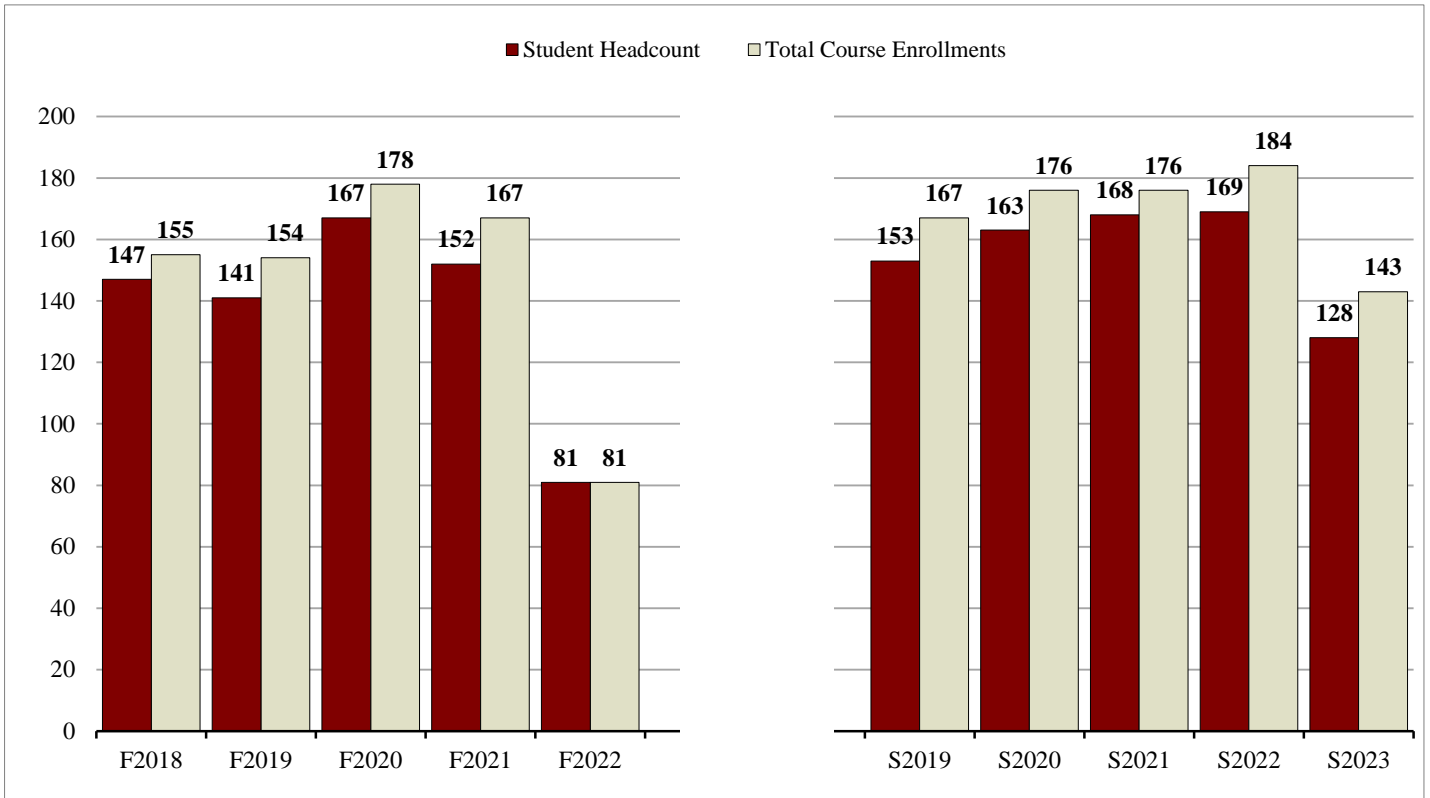
Discipline:

Astronomy (ASTR)

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Headcount & Enrollment

Astronomy (ASTR)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Student Headcount	147	141	167	152	81	153	163	168	169	128
Total Course Enrollments	155	154	178	167	81	167	176	176	184	143



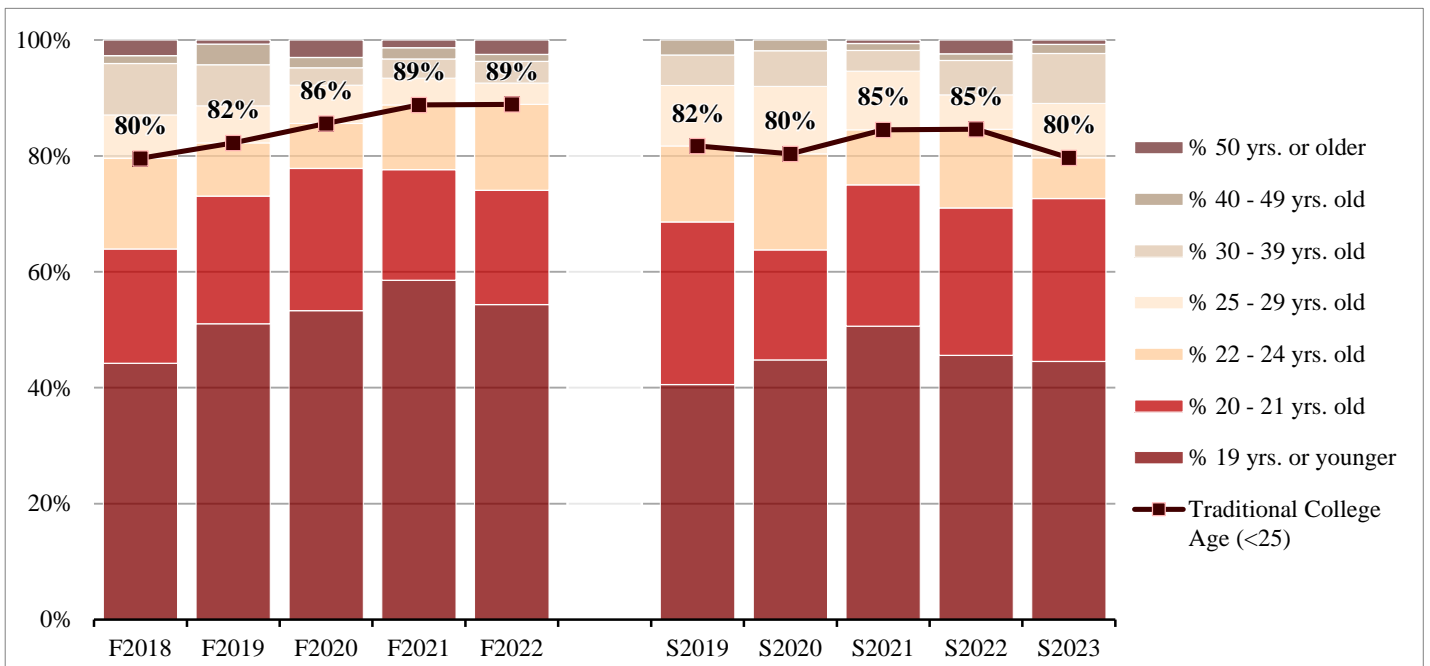
Definitions:

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.

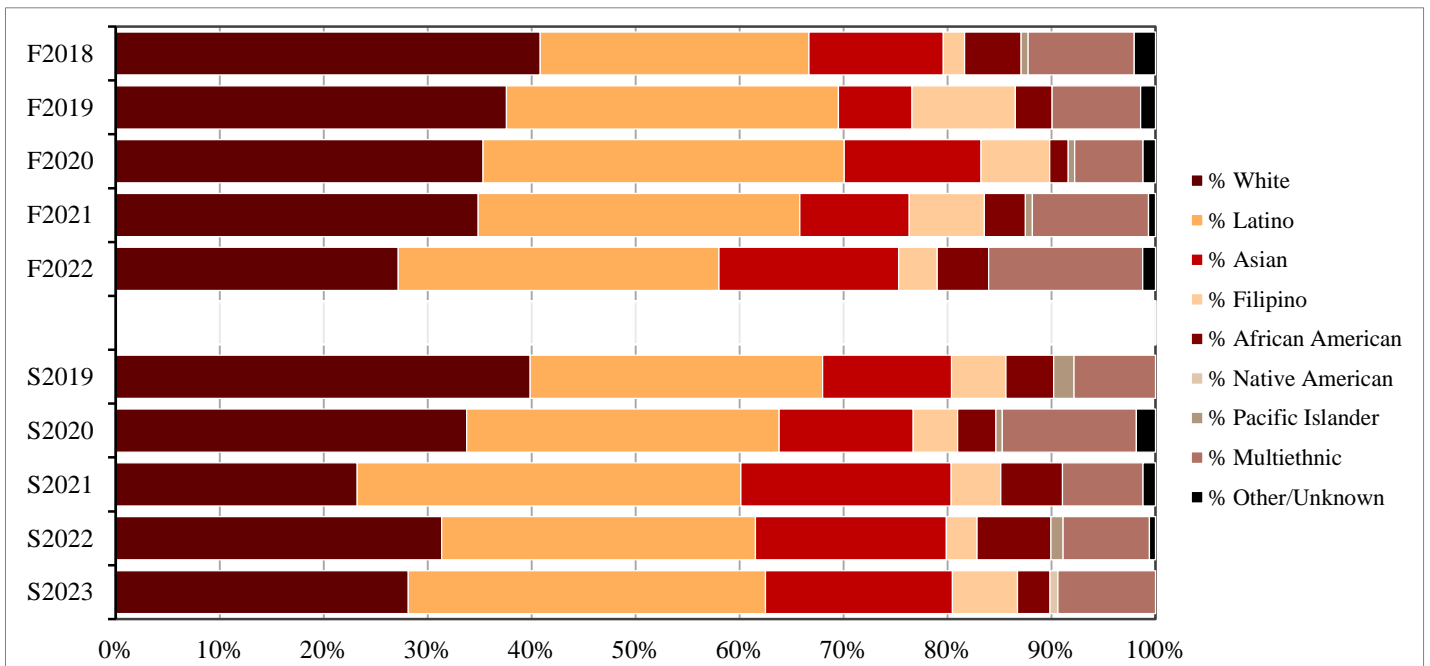
Student Demographics: Gender & Age

Astronomy (ASTR)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Female	69	66	75	82	42	72	78	90	81	74
Male	77	73	87	68	38	77	79	74	85	54
19 yrs. or younger	65	72	89	89	44	62	73	85	77	57
20-21 yrs. old	29	31	41	29	16	43	31	41	43	36
22-24 yrs. old	23	13	13	17	12	20	27	16	23	9
25-29 yrs. old	11	9	11	7	3	16	19	17	10	12
30-39 yrs. old	13	10	5	5	3	8	10	6	10	11
40-49 yrs. old	2	5	3	3	1	4	3	2	2	2
50 yrs. or older	4	1	5	2	2	0	0	1	4	1
% Female	47%	47%	46%	55%	53%	48%	50%	55%	49%	58%
% Male	53%	53%	54%	45%	48%	52%	50%	45%	51%	42%
% 19 yrs. or younger	44%	51%	53%	59%	54%	41%	45%	51%	46%	45%
% 20 - 21 yrs. old	20%	22%	25%	19%	20%	28%	19%	24%	25%	28%
% 22 - 24 yrs. old	16%	9%	8%	11%	15%	13%	17%	10%	14%	7%
% 25 - 29 yrs. old	7%	6%	7%	5%	4%	10%	12%	10%	6%	9%
% 30 - 39 yrs. old	9%	7%	3%	3%	4%	5%	6%	4%	6%	9%
% 40 - 49 yrs. old	1%	4%	2%	2%	1%	3%	2%	1%	1%	2%
% 50 yrs. or older	3%	1%	3%	1%	2%	0%	0%	1%	2%	1%



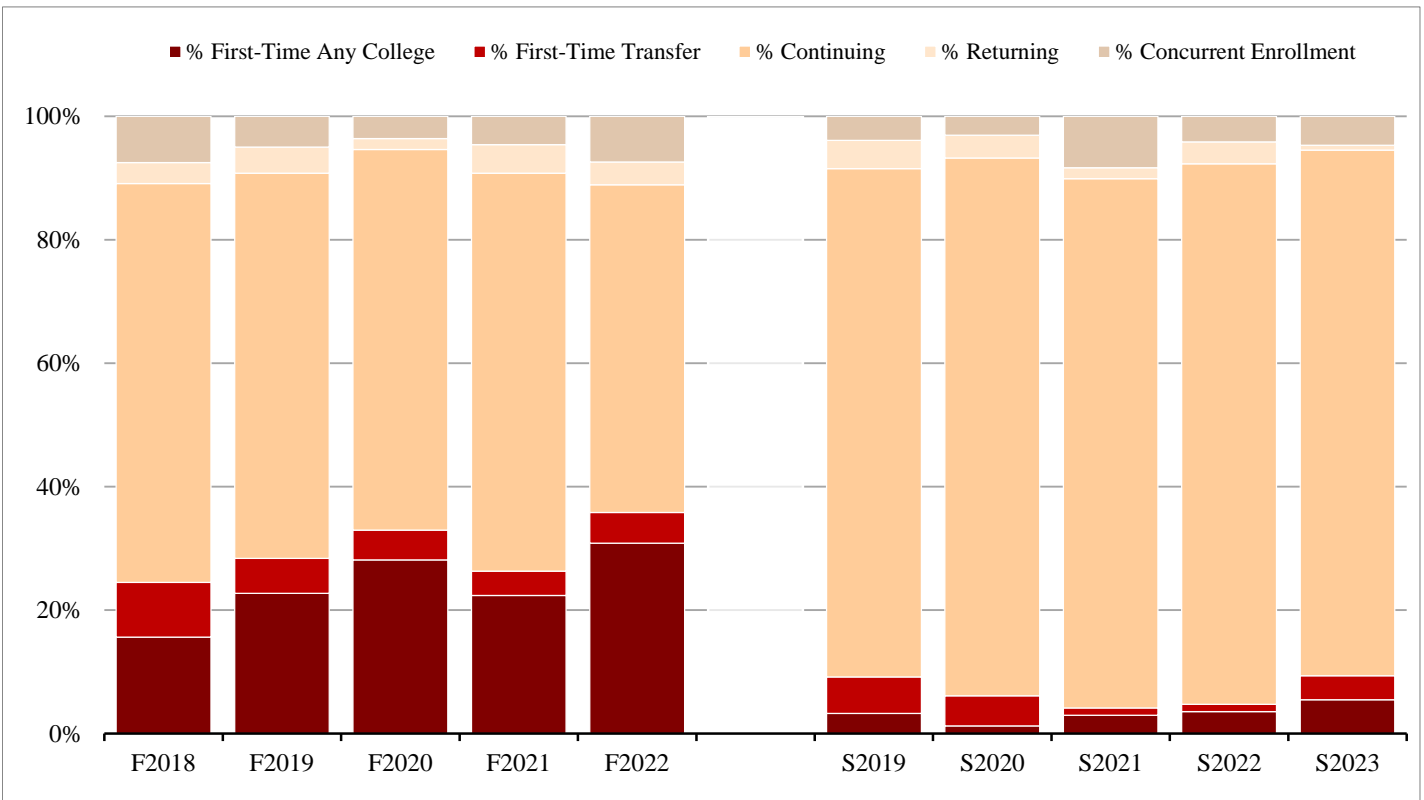
Student Demographic: Race-Ethnicity

Astronomy (ASTR)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
African American	8	5	3	6	4	7	6	10	12	4
Asian	19	10	22	16	14	19	21	34	31	23
Filipino	3	14	11	11	3	8	7	8	5	8
Latino	38	45	58	47	25	43	49	62	51	44
Native American	0	0	0	0	0	0	0	0	0	1
Pacific Islander	1	0	1	1	0	3	1	0	2	0
White	60	53	59	53	22	61	55	39	53	36
Multiethnic	15	12	11	17	12	12	21	13	14	12
Other/Unknown	3	2	2	1	1	0	3	2	1	0
% African American	5%	4%	2%	4%	5%	5%	4%	6%	7%	3%
% Asian	13%	7%	13%	11%	17%	12%	13%	20%	18%	18%
% Filipino	2%	10%	7%	7%	4%	5%	4%	5%	3%	6%
% Latino	26%	32%	35%	31%	31%	28%	30%	37%	30%	34%
% Native American	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
% Pacific Islander	1%	0%	1%	1%	0%	2%	1%	0%	1%	0%
% White	41%	38%	35%	35%	27%	40%	34%	23%	31%	28%
% Multiethnic	10%	9%	7%	11%	15%	8%	13%	8%	8%	9%
% Other/Unknown	2%	1%	1%	1%	1%	0%	2%	1%	1%	0%



Student Enrollment Status

Astronomy (ASTR)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
First-Time Any College	23	32	47	34	25	5	2	5	6	7
First-Time Transfer	13	8	8	6	4	9	8	2	2	5
Continuing	95	88	103	98	43	126	142	144	148	109
Returning	5	6	3	7	3	7	6	3	6	1
Concurrent Enrollment	11	7	6	7	6	6	5	14	7	6
% First-Time Any College	16%	23%	28%	22%	31%	3%	1%	3%	4%	5%
% First-Time Transfer	9%	6%	5%	4%	5%	6%	5%	1%	1%	4%
% Continuing	65%	62%	62%	64%	53%	82%	87%	86%	88%	85%
% Returning	3%	4%	2%	5%	4%	5%	4%	2%	4%	1%
% Concurrent Enrollment	7%	5%	4%	5%	7%	4%	3%	8%	4%	5%



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.

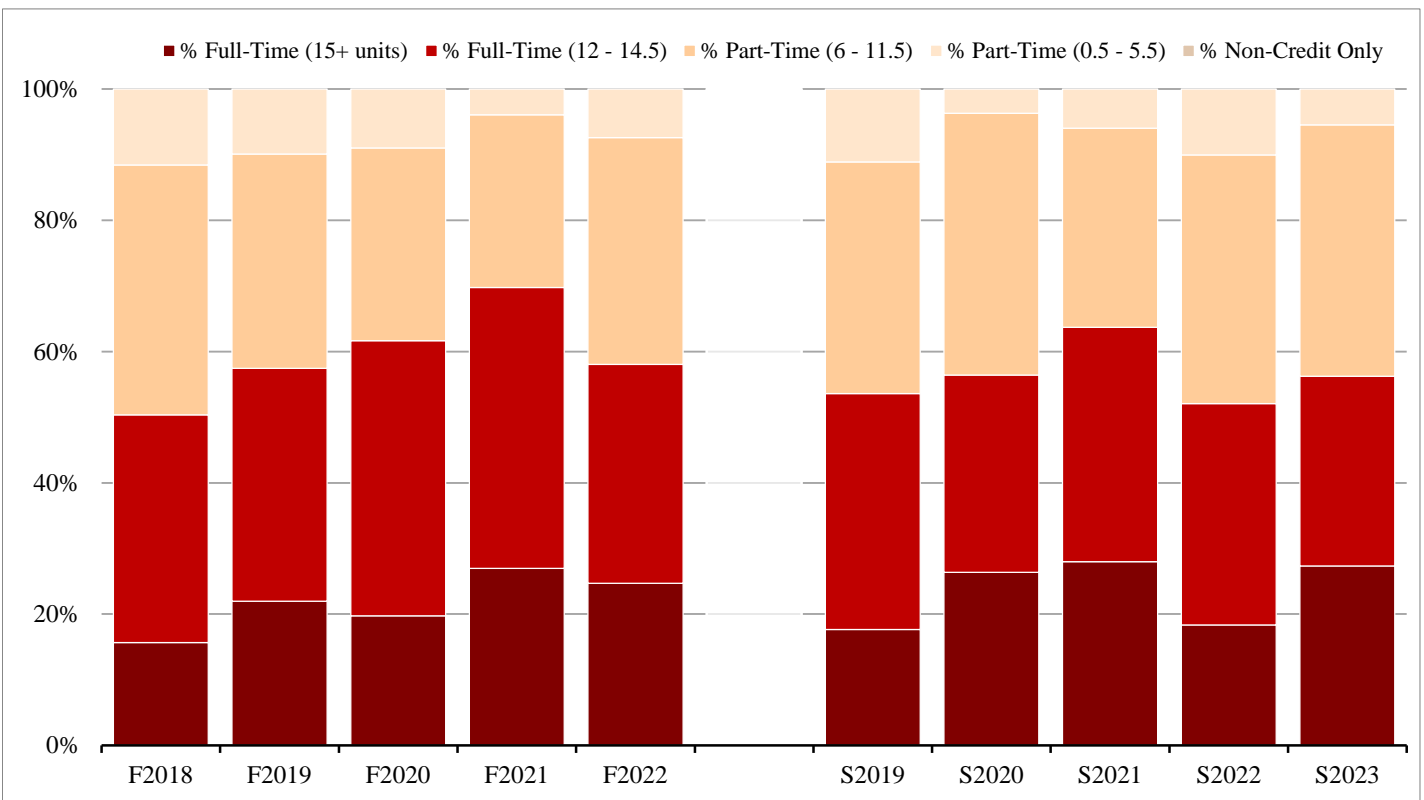
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

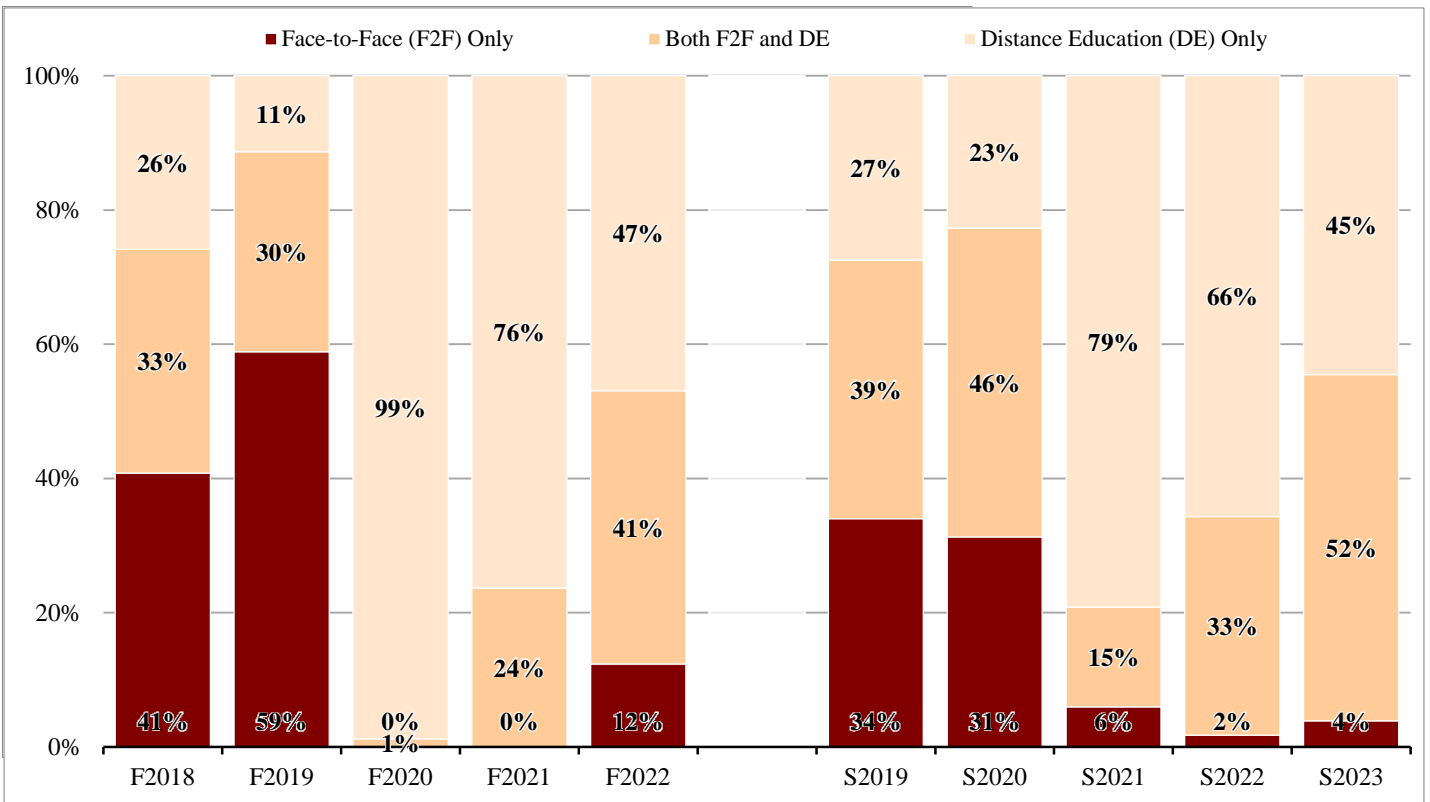
Student Unit Load

Astronomy (ASTR)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Full-Time (15+ units)	23	31	33	41	20	27	43	47	31	35
Full-Time (12 - 14.5 units)	51	50	70	65	27	55	49	60	57	37
Part-Time (6 - 11.5 units)	56	46	49	40	28	54	65	51	64	49
Part-Time (0.5 - 5.5 units)	17	14	15	6	6	17	6	10	17	7
Non-Credit Only	—	—	—	—	—	—	—	—	—	—
% Full-Time (15+ units)	16%	22%	20%	27%	25%	18%	26%	28%	18%	27%
% Full-Time (12 - 14.5)	35%	35%	42%	43%	33%	36%	30%	36%	34%	29%
% Part-Time (6 - 11.5)	38%	33%	29%	26%	35%	35%	40%	30%	38%	38%
% Part-Time (0.5 - 5.5)	12%	10%	9%	4%	7%	11%	4%	6%	10%	5%
% Non-Credit Only	—	—	—	—	—	—	—	—	—	—



Students Using Distance Education

Astronomy (ASTR)										
<i>(Categories reflect college-wide coursework)</i>	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Face-to-Face (F2F) Only	60	83	0	0	10	52	51	10	3	5
Both F2F and DE	49	42	2	36	33	59	75	25	55	66
Distance Education (DE) Only	38	16	165	116	38	42	37	133	111	57
% Face-to-Face (F2F) Only	41%	59%	0%	0%	12%	34%	31%	6%	2%	4%
% Both F2F and DE	33%	30%	1%	24%	41%	39%	46%	15%	33%	52%
% Distance Education (DE) Only	26%	11%	99%	76%	47%	27%	23%	79%	66%	45%

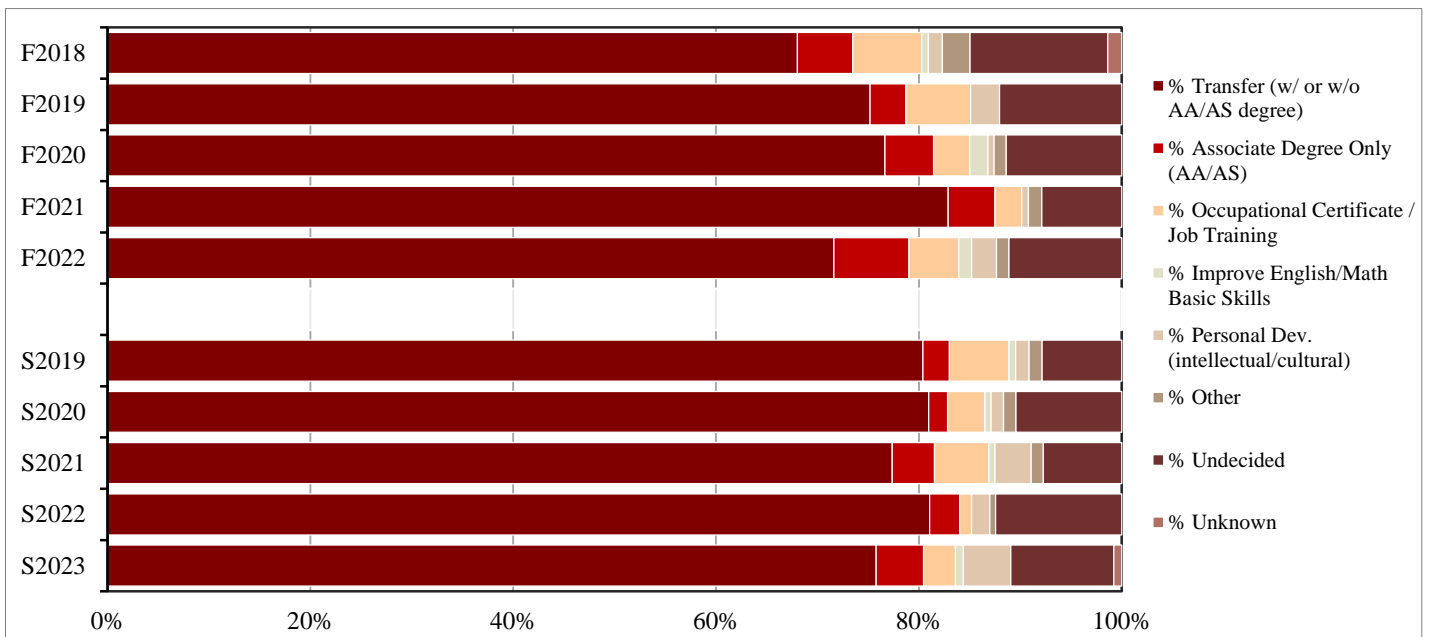


Definitions:

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)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Transfer (w/ or w/o AA/AS degree)	100	106	128	126	58	123	132	130	137	97
Associate Degree Only (AA/AS)	8	5	8	7	6	4	3	7	5	6
Occupational Certificate / Job Training	10	9	6	4	4	9	6	9	2	4
Improve English/Math Basic Skills	1	0	3	0	1	1	1	1	0	1
Personal Development (intellectual/cultural)	2	4	1	1	2	2	2	6	3	6
Other	4	0	2	2	1	2	2	2	1	0
Undecided	20	17	19	12	9	12	17	13	21	13
Unknown	2	0	0	0	0	0	0	0	0	1
% Transfer (w/ or w/o AA/AS degree)	68%	75%	77%	83%	72%	80%	81%	77%	81%	76%
% Associate Degree Only (AA/AS)	5%	4%	5%	5%	7%	3%	2%	4%	3%	5%
% Occupational Certificate / Job Training	7%	6%	4%	3%	5%	6%	4%	5%	1%	3%
% Improve English/Math Basic Skills	1%	0%	2%	0%	1%	1%	1%	1%	0%	1%
% Personal Dev. (intellectual/cultural)	1%	3%	1%	1%	2%	1%	1%	4%	2%	5%
% Other	3%	0%	1%	1%	1%	1%	1%	1%	1%	0%
% Undecided	14%	12%	11%	8%	11%	8%	10%	8%	12%	10%
% Unknown	1%	0%	0%	0%	0%	0%	0%	0%	0%	1%

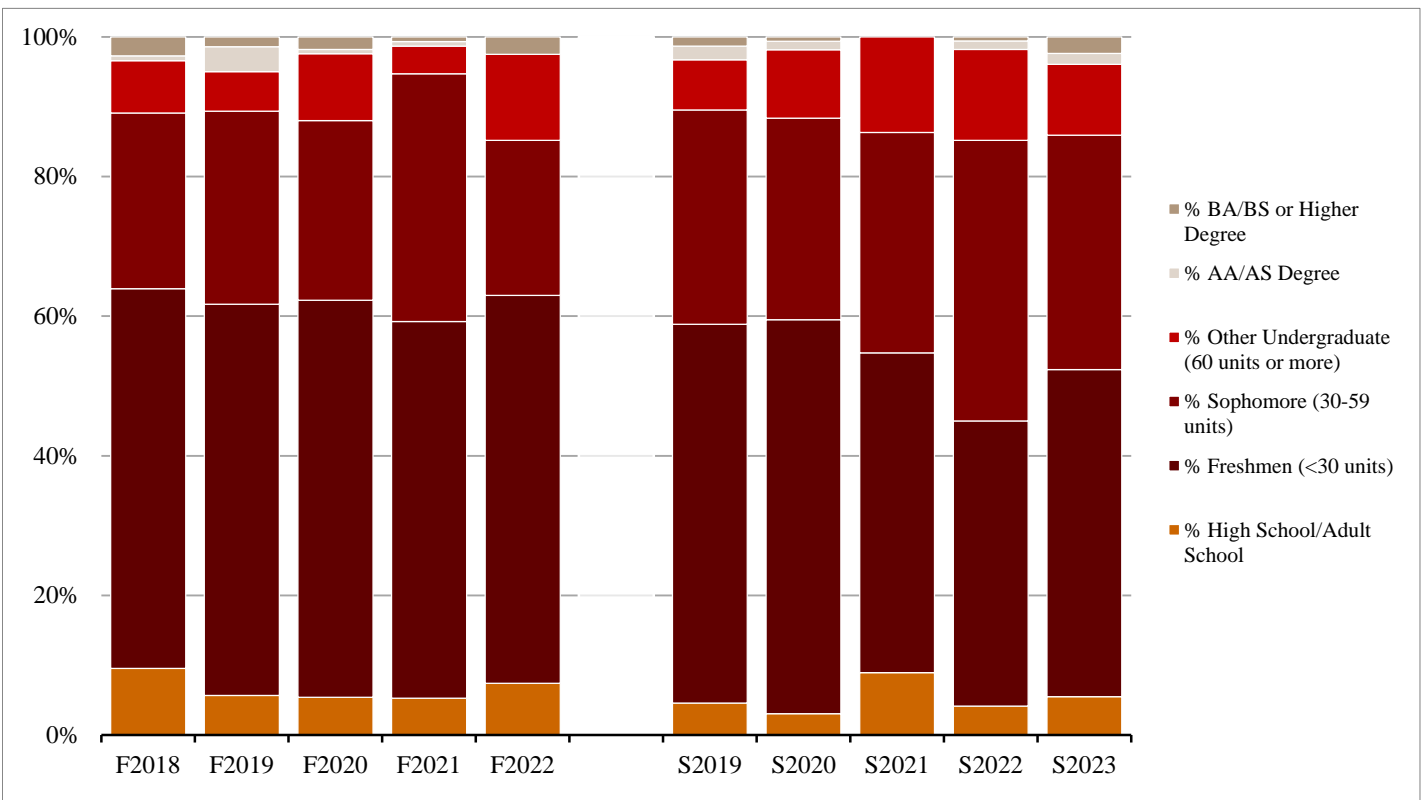


Definitions:

- 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.

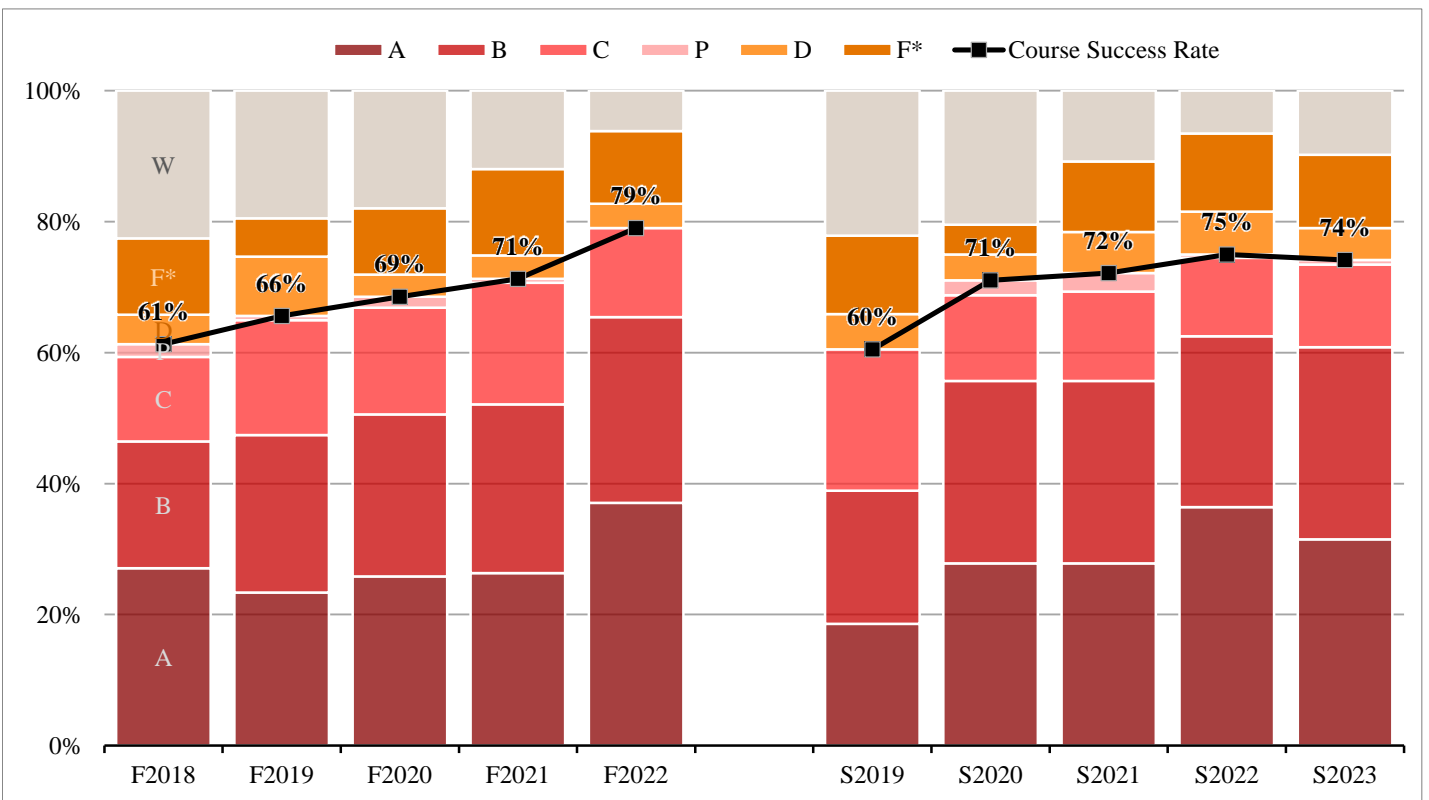
Highest Educational Level of Students

Astronomy (ASTR)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
High School/Adult School	14	8	9	8	6	7	5	15	7	7
Freshmen (<30 units)	80	79	95	82	45	83	92	77	69	60
Sophomore (30-59 units)	37	39	43	54	18	47	47	53	68	43
Other Undergraduate (60 units or more)	11	8	16	6	10	11	16	23	22	13
AA/AS Degree	1	5	1	1	0	3	2	0	2	2
BA/BS or Higher Degree	4	2	3	1	2	2	1	0	1	3
% High School/Adult School	10%	6%	5%	5%	7%	5%	3%	9%	4%	5%
% Freshmen (<30 units)	54%	56%	57%	54%	56%	54%	56%	46%	41%	47%
% Sophomore (30-59 units)	25%	28%	26%	36%	22%	31%	29%	32%	40%	34%
% Other Undergraduate (60 units or more)	7%	6%	10%	4%	12%	7%	10%	14%	13%	10%
% AA/AS Degree	1%	4%	1%	1%	0%	2%	1%	0%	1%	2%
% BA/BS or Higher Degree	3%	1%	2%	1%	2%	1%	1%	0%	1%	2%



Student Performance: Grade Distribution

Astronomy (ASTR)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Total Course Enrollments	155	154	178	167	81	167	176	176	184	143
Course Success Rates	61%	66%	69%	71%	79%	60%	71%	72%	75%	74%
A	27%	23%	26%	26%	37%	19%	28%	28%	36%	31%
B	19%	24%	25%	26%	28%	20%	28%	28%	26%	29%
C	13%	18%	16%	19%	14%	22%	13%	14%	12%	13%
P	2%	1%	2%	1%	0%	0%	2%	3%	1%	1%
Course Non-Success Rate	16%	15%	13%	17%	15%	17%	9%	17%	18%	16%
D	5%	9%	3%	4%	4%	5%	4%	6%	7%	5%
F*	12%	6%	10%	13%	11%	12%	5%	11%	12%	11%
Withdrawals (See Note)	23%	19%	18%	12%	6%	22%	20%	11%	7%	10%



Definitions:

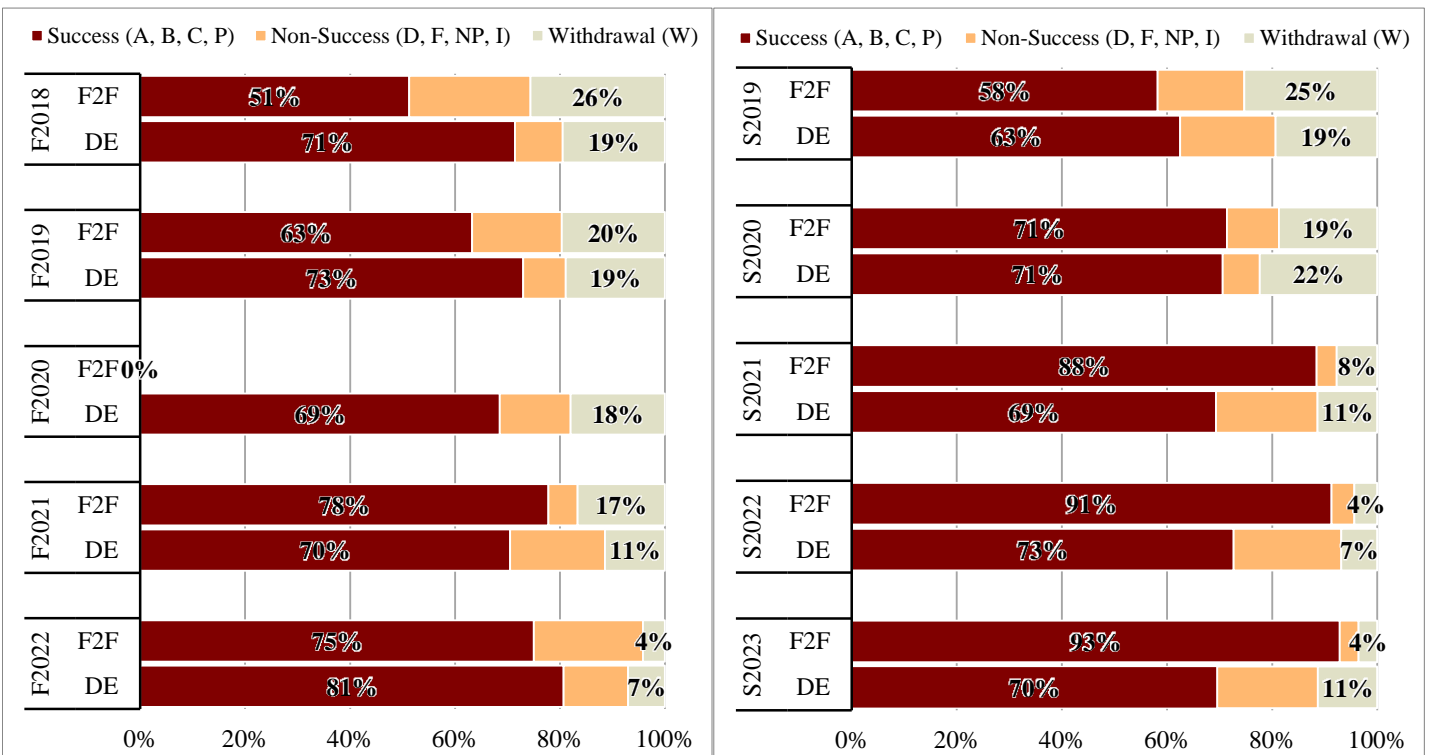
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

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)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Total Course Enrollments	155	154	178	167	81	167	176	176	184	143
Face-to-Face (F2F) Sections	78	117	0	18	24	79	91	26	23	28
Success Rates	51%	63%	—	78%	75%	58%	71%	88%	91%	93%
Non-Success Rates	23%	17%	—	6%	21%	16%	10%	4%	4%	4%
Withdrawals	26%	20%	—	17%	4%	25%	19%	8%	4%	4%
Distance Education (DE) Sections	77	37	178	149	57	88	85	150	161	115
Success Rates	71%	73%	69%	70%	81%	63%	71%	69%	73%	70%
Non-Success Rates	9%	8%	13%	18%	12%	18%	7%	19%	20%	19%
Withdrawals	19%	19%	18%	11%	7%	19%	22%	11%	7%	11%



Definitions:

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

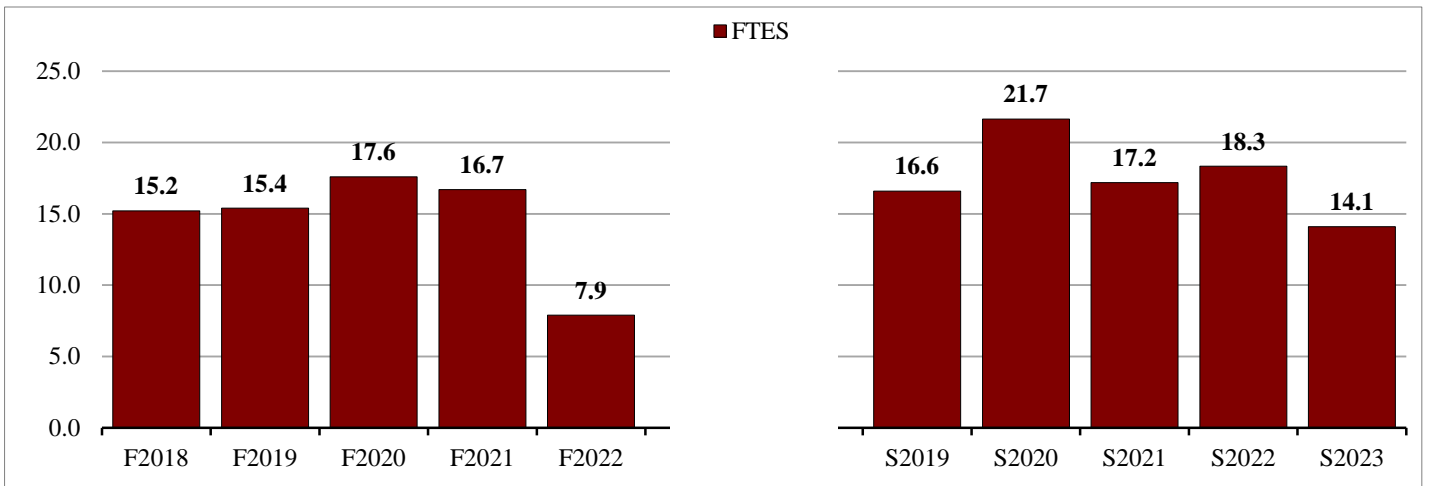
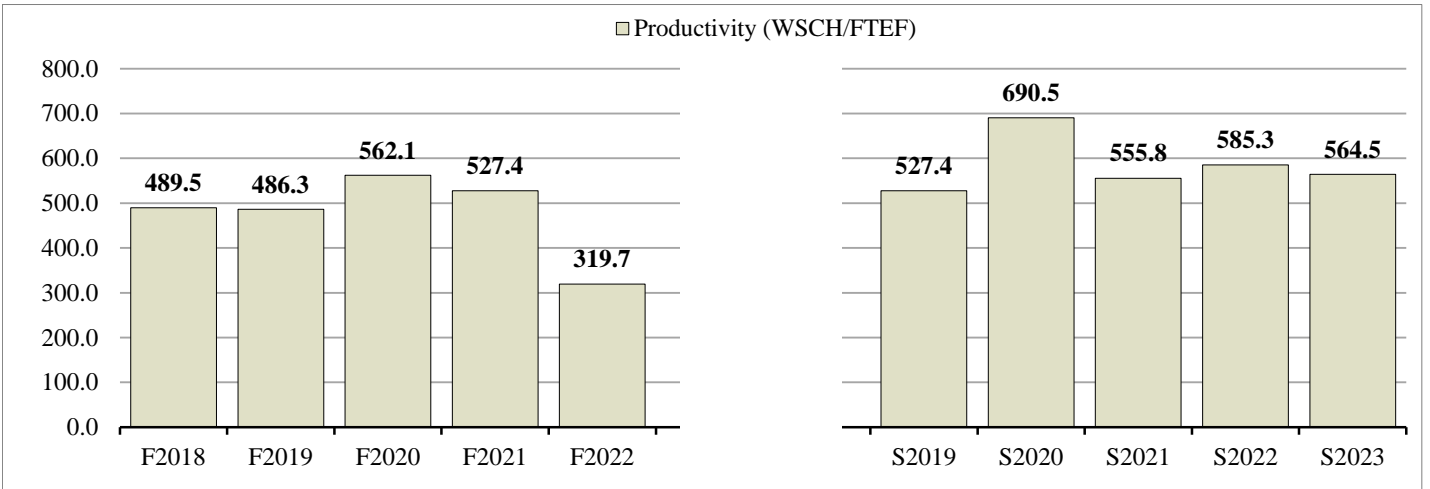
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

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)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
WSCH	465	462	534	501	243	501	656	528	556	429
FTES	15.2	15.4	17.6	16.7	7.9	16.6	21.7	17.2	18.3	14.1
FTEF	1.0	1.0	1.0	1.0	0.8	1.0	1.0	1.0	1.0	0.8
Productivity (WSCH/FTEF)	489.5	486.3	562.1	527.4	319.7	527.4	690.5	555.8	585.3	564.5



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.

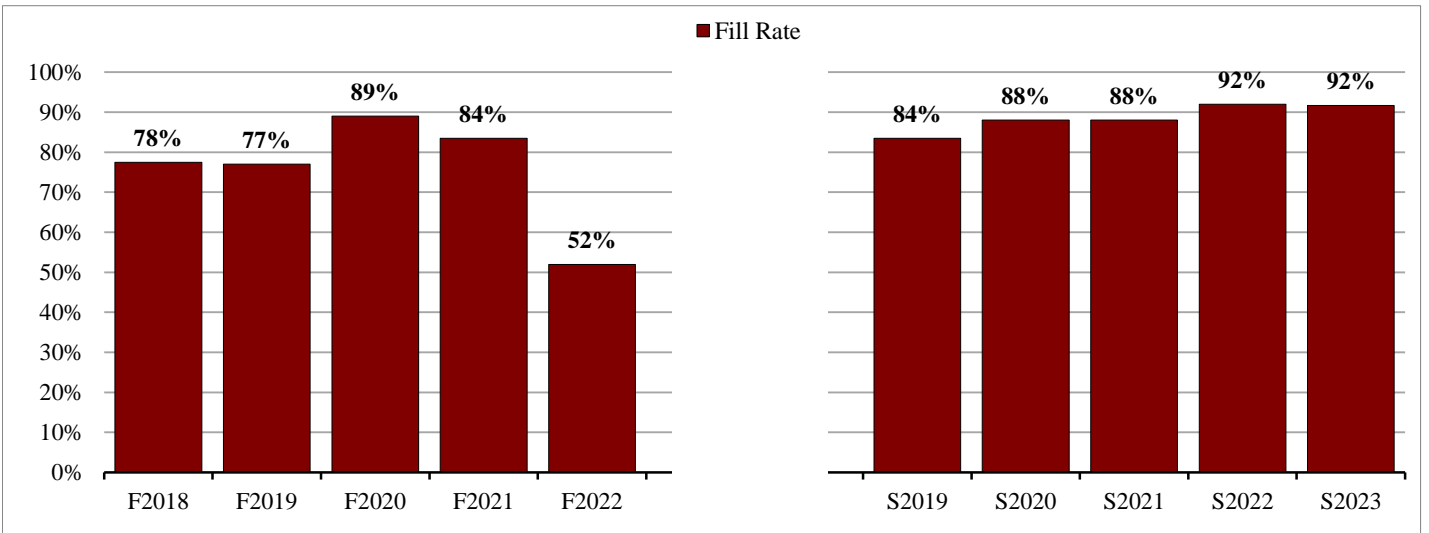
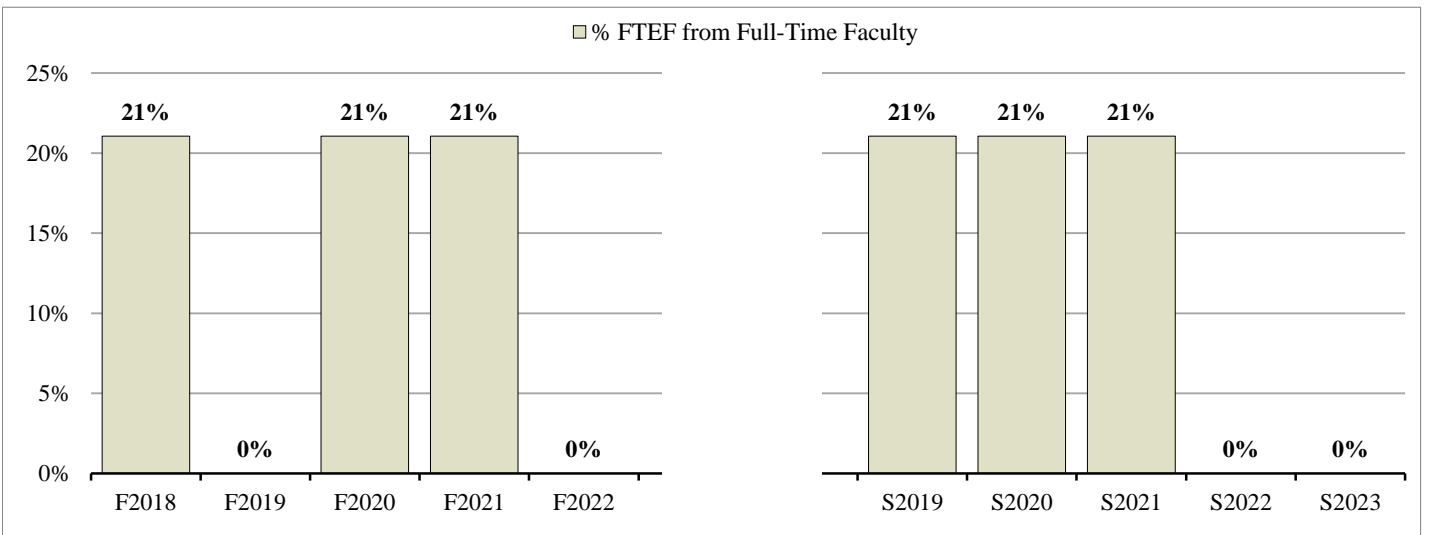
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
FTEF from Full-Time Faculty	0.2	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.0
% FTEF from Full-Time Faculty	21%	0%	21%	21%	0%	21%	21%	21%	0%	0%
Enrollments	155	154	178	167	81	167	176	176	184	143
Capacity (seats available)	200	200	200	200	156	200	200	200	200	156
Fill Rate	78%	77%	89%	84%	52%	84%	88%	88%	92%	92%



Definitions:

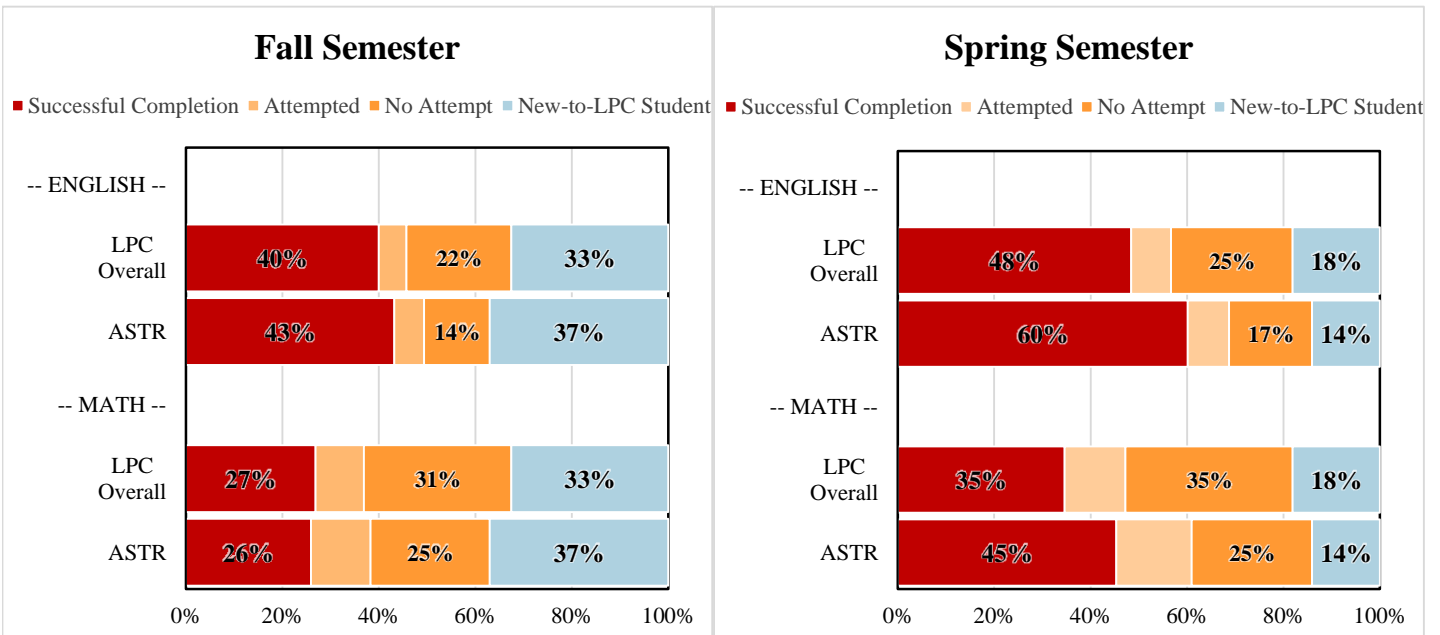
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 7/25/23.

Prior Experience in English & Math

<i>(English and math status prior to the start of the term)</i>	Fall 2022				Spring 2023			
	ASTR		LPC Overall		ASTR		LPC Overall	
	Num	Pct	Num	Pct	Num	Pct	Num	Pct
Transfer-level English								
Successful Completion*	35	43%	2,729	40%	77	60%	3,203	48%
Attempted (<i>not successful</i>)	5	6%	391	6%	11	9%	546	8%
No Attempt	11	14%	1,484	22%	22	17%	1,672	25%
New-to-LPC Student	30	37%	2,221	33%	18	14%	1,197	18%
Transfer-level Math								
Successful Completion*	21	26%	1,835	27%	58	45%	2,288	35%
Attempted (<i>not successful</i>)	10	12%	683	10%	20	16%	837	13%
No Attempt	20	25%	2,086	31%	32	25%	2,296	35%
New-to-LPC Student	30	37%	2,221	33%	18	14%	1,197	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 LPC Student** = enrollments from 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 an 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** = enrollments from students with no for credit enrollments within our district prior to the current term.