



Las Positas College
Discipline Program Review Data Packet
Fall 2019 to Spring 2024

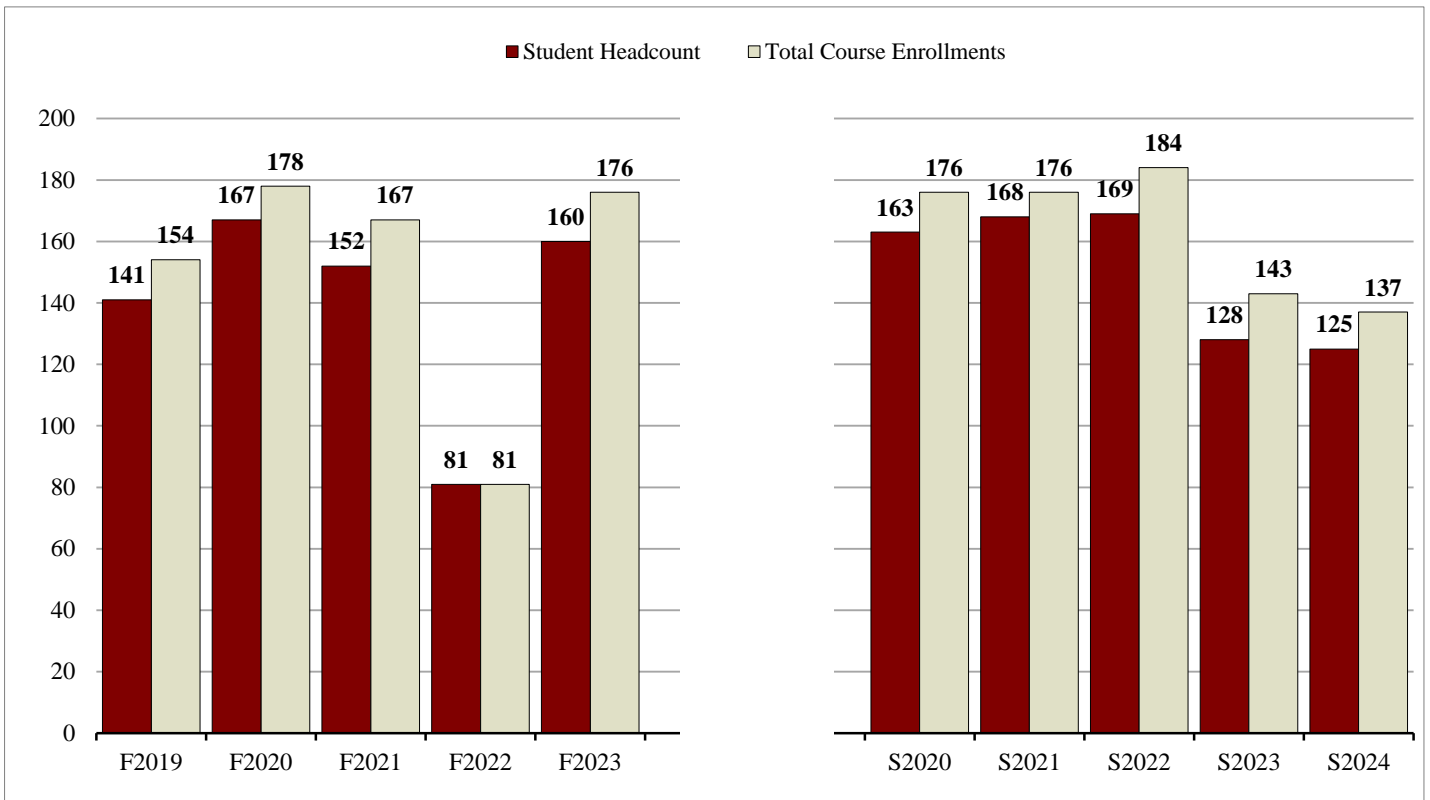
Discipline:

Astronomy (ASTR)

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Headcount & Enrollment

Astronomy (ASTR)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Student Headcount	141	167	152	81	160	163	168	169	128	125
Total Course Enrollments	154	178	167	81	176	176	176	184	143	137



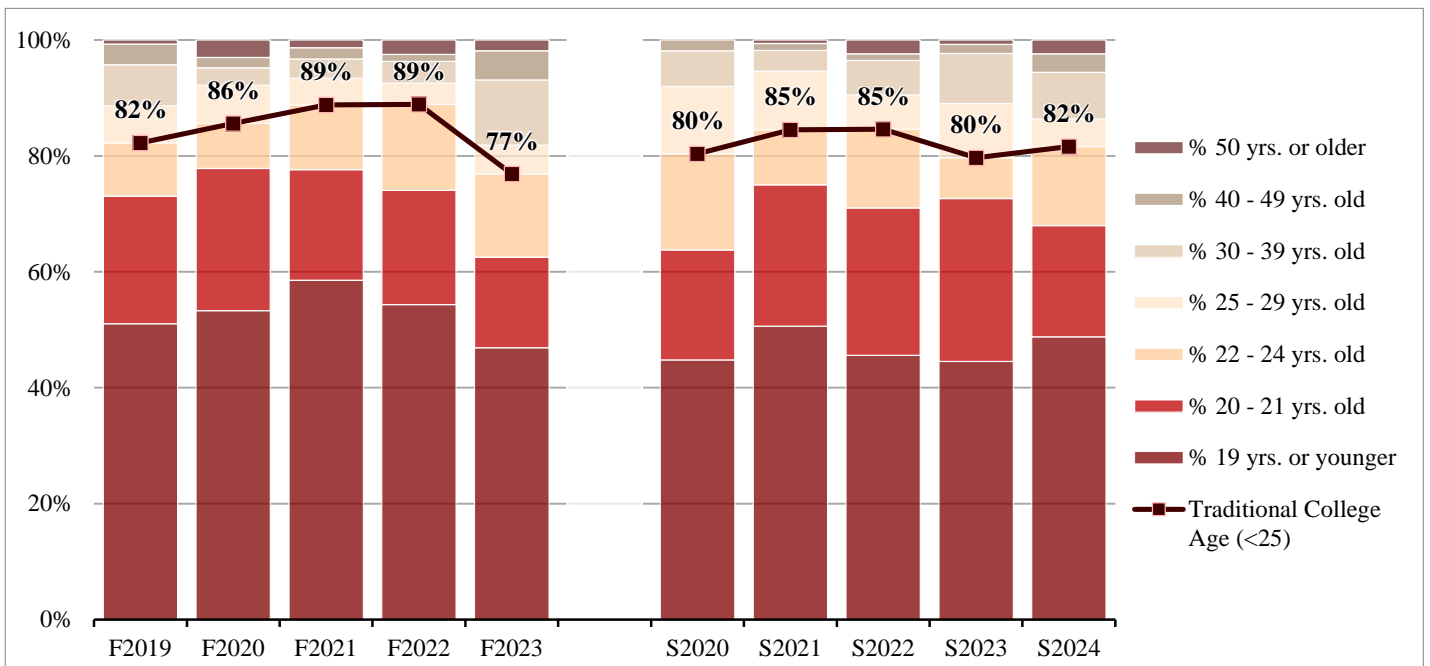
Definitions:

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.

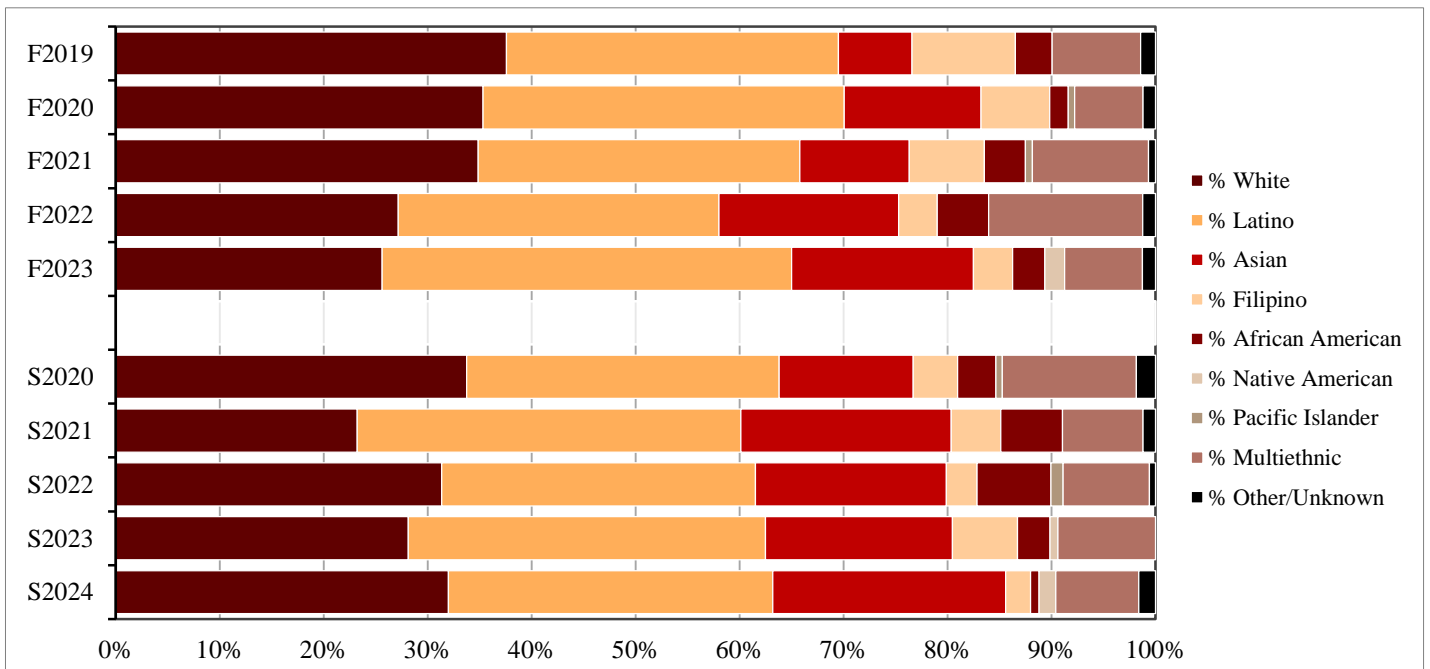
Student Demographics: Gender & Age

Astronomy (ASTR)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Female	66	75	82	42	85	78	90	81	74	71
Male	73	87	68	38	67	79	74	85	54	42
19 yrs. or younger	72	89	89	44	75	73	85	77	57	61
20-21 yrs. old	31	41	29	16	25	31	41	43	36	24
22-24 yrs. old	13	13	17	12	23	27	16	23	9	17
25-29 yrs. old	9	11	7	3	8	19	17	10	12	6
30-39 yrs. old	10	5	5	3	18	10	6	10	11	10
40-49 yrs. old	5	3	3	1	8	3	2	2	2	4
50 yrs. or older	1	5	2	2	3	0	1	4	1	3
% Female	47%	46%	55%	53%	56%	50%	55%	49%	58%	63%
% Male	53%	54%	45%	48%	44%	50%	45%	51%	42%	37%
% 19 yrs. or younger	51%	53%	59%	54%	47%	45%	51%	46%	45%	49%
% 20 - 21 yrs. old	22%	25%	19%	20%	16%	19%	24%	25%	28%	19%
% 22 - 24 yrs. old	9%	8%	11%	15%	14%	17%	10%	14%	7%	14%
% 25 - 29 yrs. old	6%	7%	5%	4%	5%	12%	10%	6%	9%	5%
% 30 - 39 yrs. old	7%	3%	3%	4%	11%	6%	4%	6%	9%	8%
% 40 - 49 yrs. old	4%	2%	2%	1%	5%	2%	1%	1%	2%	3%
% 50 yrs. or older	1%	3%	1%	2%	2%	0%	1%	2%	1%	2%



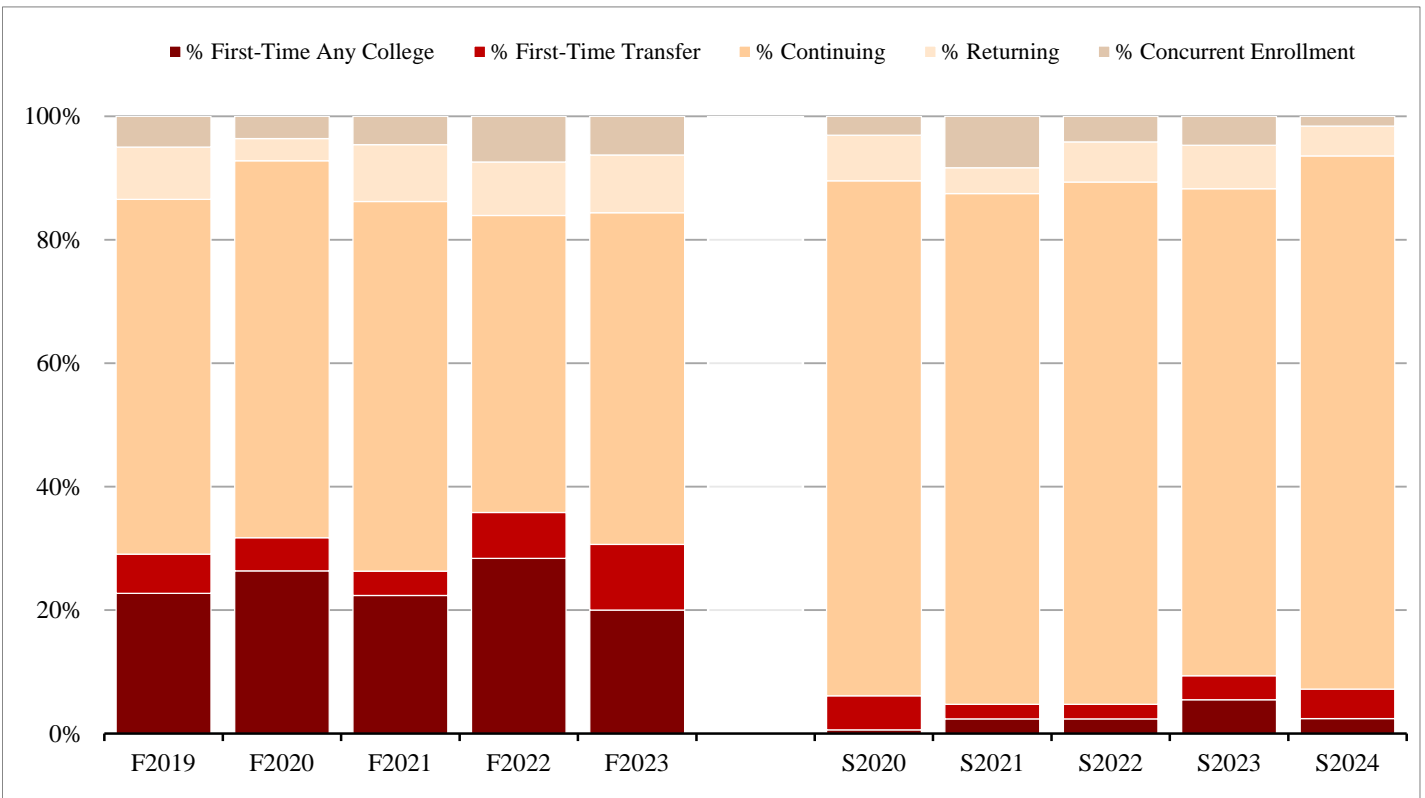
Student Demographic: Race-Ethnicity

Astronomy (ASTR)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
African American	5	3	6	4	5	6	10	12	4	1
Asian	10	22	16	14	28	21	34	31	23	28
Filipino	14	11	11	3	6	7	8	5	8	3
Latino	45	58	47	25	63	49	62	51	44	39
Native American	0	0	0	0	3	0	0	0	1	2
Pacific Islander	0	1	1	0	0	1	0	2	0	0
White	53	59	53	22	41	55	39	53	36	40
Multiethnic	12	11	17	12	12	21	13	14	12	10
Other/Unknown	2	2	1	1	2	3	2	1	0	2
% African American	4%	2%	4%	5%	3%	4%	6%	7%	3%	1%
% Asian	7%	13%	11%	17%	18%	13%	20%	18%	18%	22%
% Filipino	10%	7%	7%	4%	4%	4%	5%	3%	6%	2%
% Latino	32%	35%	31%	31%	39%	30%	37%	30%	34%	31%
% Native American	0%	0%	0%	0%	2%	0%	0%	0%	1%	2%
% Pacific Islander	0%	1%	1%	0%	0%	1%	0%	1%	0%	0%
% White	38%	35%	35%	27%	26%	34%	23%	31%	28%	32%
% Multiethnic	9%	7%	11%	15%	8%	13%	8%	8%	9%	8%
% Other/Unknown	1%	1%	1%	1%	1%	2%	1%	1%	0%	2%



Student Enrollment Status

Astronomy (ASTR)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
First-Time Any College	32	44	34	23	32	1	4	4	7	3
First-Time Transfer	9	9	6	6	17	9	4	4	5	6
Continuing	81	102	91	39	86	136	139	143	101	108
Returning	12	6	14	7	15	12	7	11	9	6
Concurrent Enrollment	7	6	7	6	10	5	14	7	6	2
% First-Time Any College	23%	26%	22%	28%	20%	1%	2%	2%	5%	2%
% First-Time Transfer	6%	5%	4%	7%	11%	6%	2%	2%	4%	5%
% Continuing	57%	61%	60%	48%	54%	83%	83%	85%	79%	86%
% Returning	9%	4%	9%	9%	9%	7%	4%	7%	7%	5%
% Concurrent Enrollment	5%	4%	5%	7%	6%	3%	8%	4%	5%	2%



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.

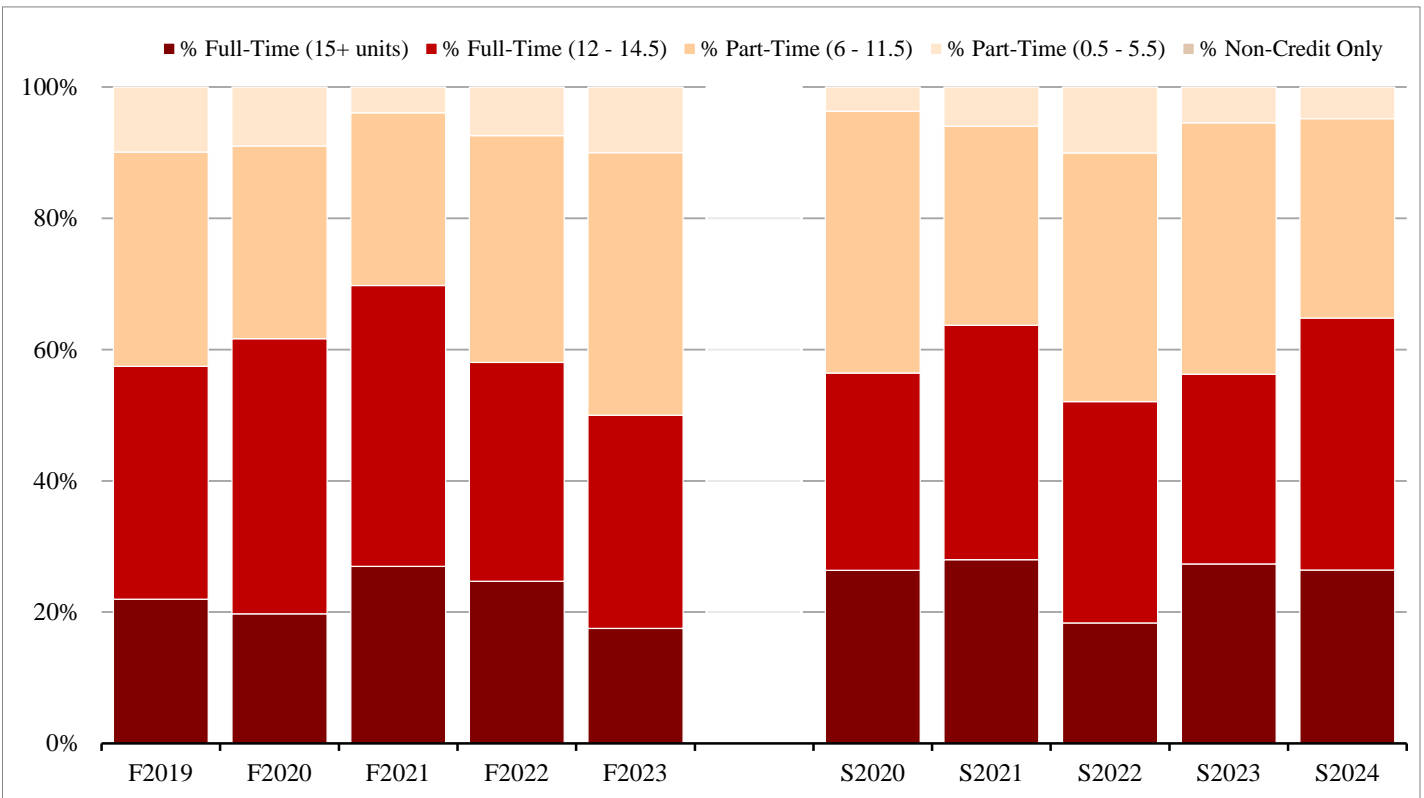
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

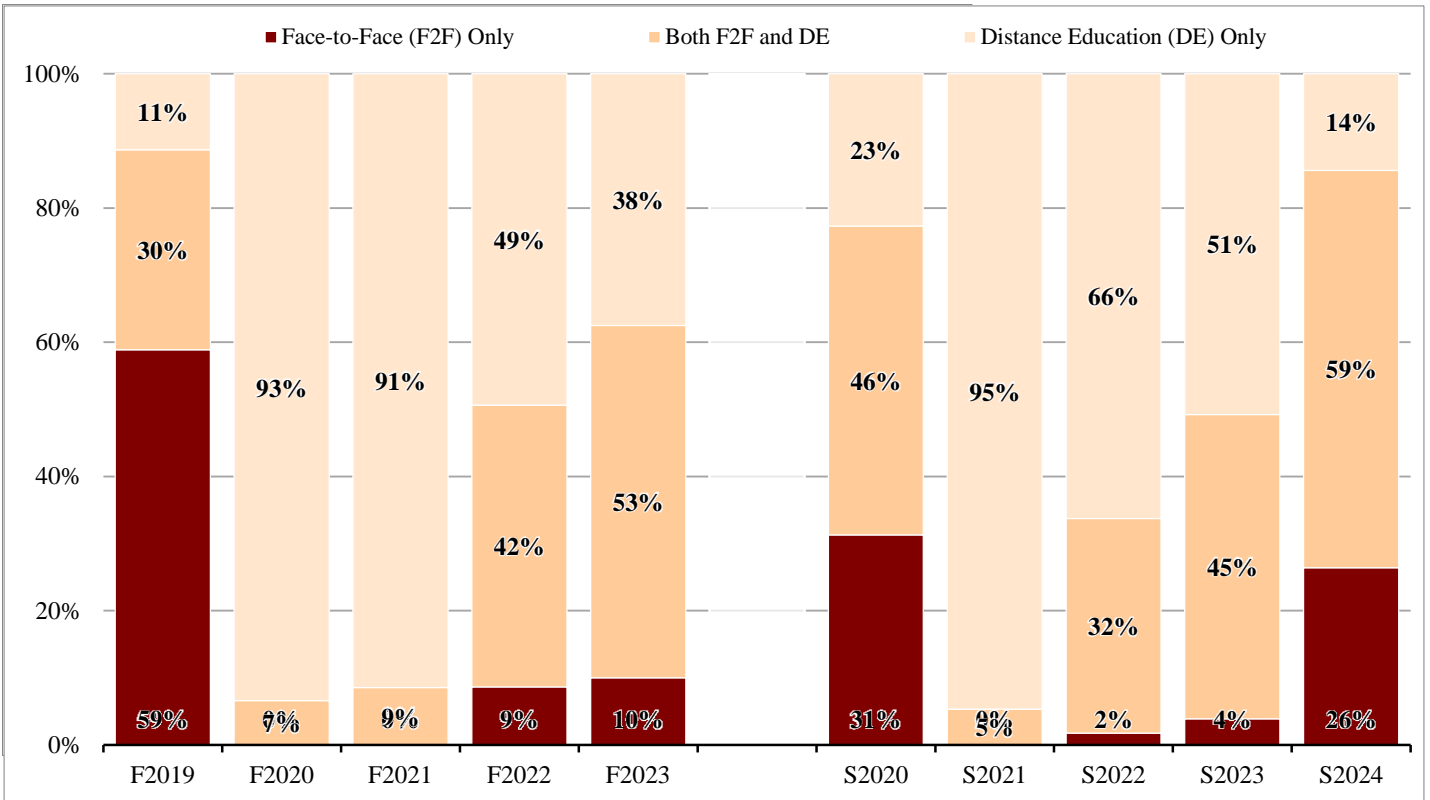
Student Unit Load

Astronomy (ASTR)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Full-Time (15+ units)	31	33	41	20	28	43	47	31	35	33
Full-Time (12 - 14.5 units)	50	70	65	27	52	49	60	57	37	48
Part-Time (6 - 11.5 units)	46	49	40	28	64	65	51	64	49	38
Part-Time (0.5 - 5.5 units)	14	15	6	6	16	6	10	17	7	6
Non-Credit Only	—	—	—	—	—	—	—	—	—	—
% Full-Time (15+ units)	22%	20%	27%	25%	18%	26%	28%	18%	27%	26%
% Full-Time (12 - 14.5)	35%	42%	43%	33%	33%	30%	36%	34%	29%	38%
% Part-Time (6 - 11.5)	33%	29%	26%	35%	40%	40%	30%	38%	38%	30%
% Part-Time (0.5 - 5.5)	10%	9%	4%	7%	10%	4%	6%	10%	5%	5%
% Non-Credit Only	—	—	—	—	—	—	—	—	—	—



Students Using Distance Education

Astronomy (ASTR)										
(Categories reflect college-wide coursework)	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Face-to-Face (F2F) Only	83	0	0	7	16	51	0	3	5	33
Both F2F and DE	42	11	13	34	84	75	9	54	58	74
Distance Education (DE) Only	16	156	139	40	60	37	159	112	65	18
% Face-to-Face (F2F) Only	59%	0%	0%	9%	10%	31%	0%	2%	4%	26%
% Both F2F and DE	30%	7%	9%	42%	53%	46%	5%	32%	45%	59%
% Distance Education (DE) Only	11%	93%	91%	49%	38%	23%	95%	66%	51%	14%



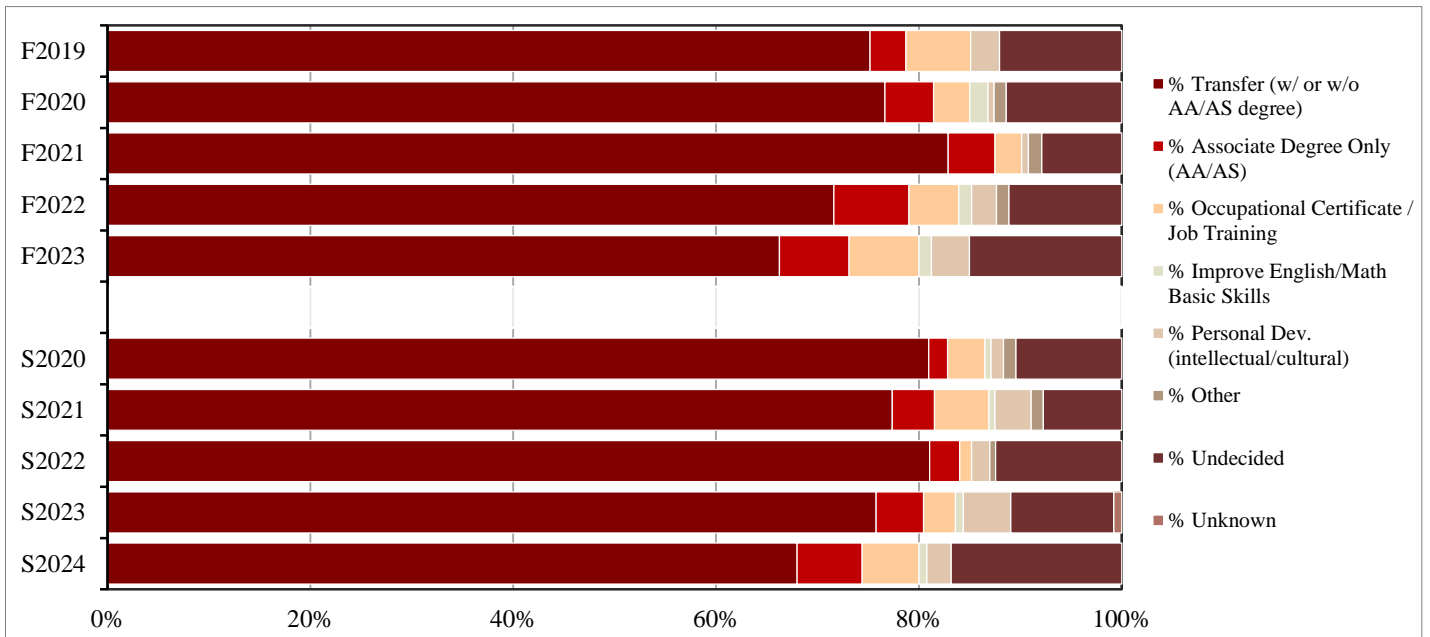
Definitions:

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				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Transfer (w/ or w/o AA/AS degree)	106	128	126	58	106	132	130	137	97	85
Associate Degree Only (AA/AS)	5	8	7	6	11	3	7	5	6	8
Occupational Certificate / Job Training	9	6	4	4	11	6	9	2	4	7
Improve English/Math Basic Skills	0	3	0	1	2	1	1	0	1	1
Personal Development (intellectual/cultural)	4	1	1	2	6	2	6	3	6	3
Other	0	2	2	1	0	2	2	1	0	0
Undecided	17	19	12	9	24	17	13	21	13	21
Unknown	0	0	0	0	0	0	0	0	1	0
% Transfer (w/ or w/o AA/AS degree)	75%	77%	83%	72%	66%	81%	77%	81%	76%	68%
% Associate Degree Only (AA/AS)	4%	5%	5%	7%	7%	2%	4%	3%	5%	6%
% Occupational Certificate / Job Training	6%	4%	3%	5%	7%	4%	5%	1%	3%	6%
% Improve English/Math Basic Skills	0%	2%	0%	1%	1%	1%	1%	0%	1%	1%
% Personal Dev. (intellectual/cultural)	3%	1%	1%	2%	4%	1%	4%	2%	5%	2%
% Other	0%	1%	1%	1%	0%	1%	1%	1%	0%	0%
% Undecided	12%	11%	8%	11%	15%	10%	8%	12%	10%	17%
% Unknown	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%

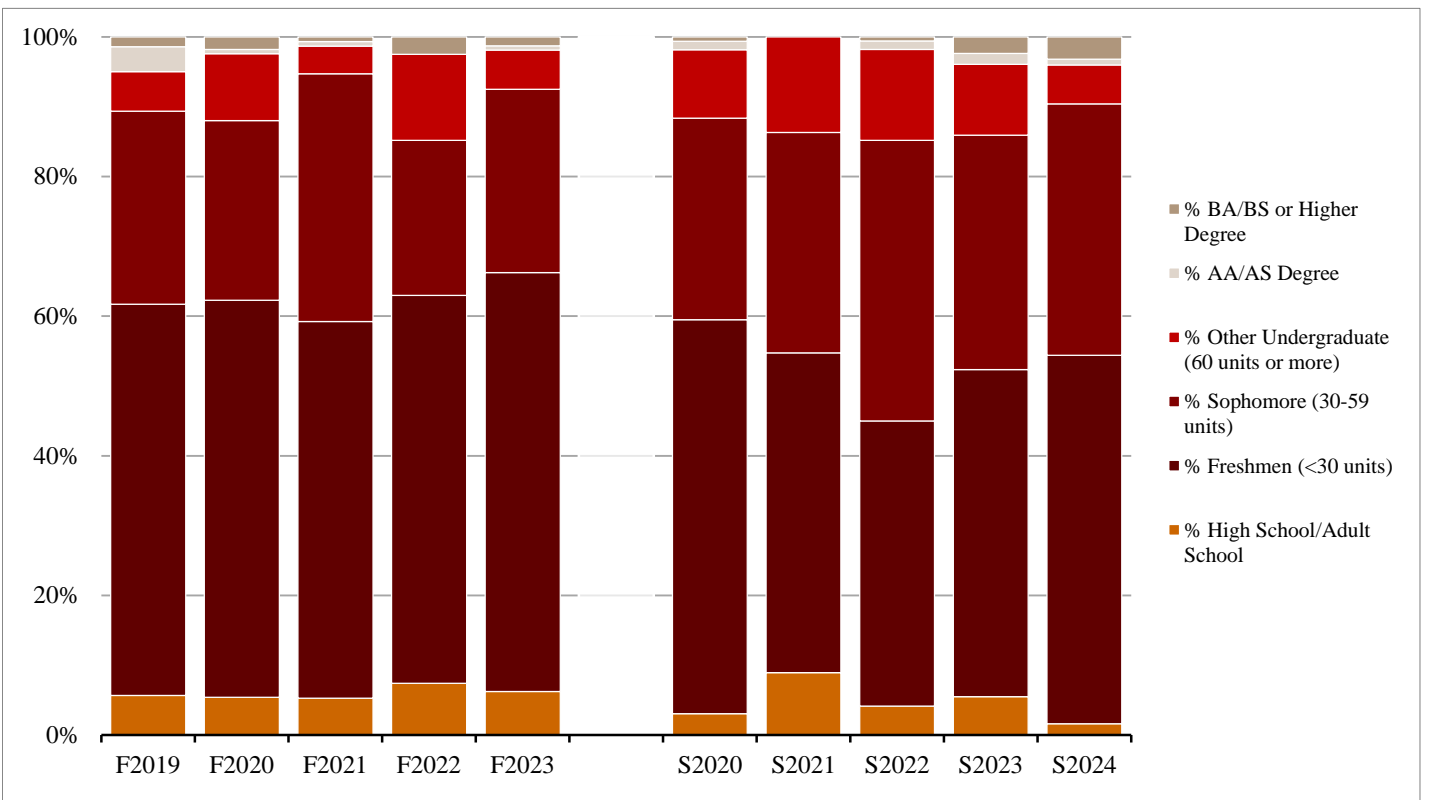


Definitions:

- 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.

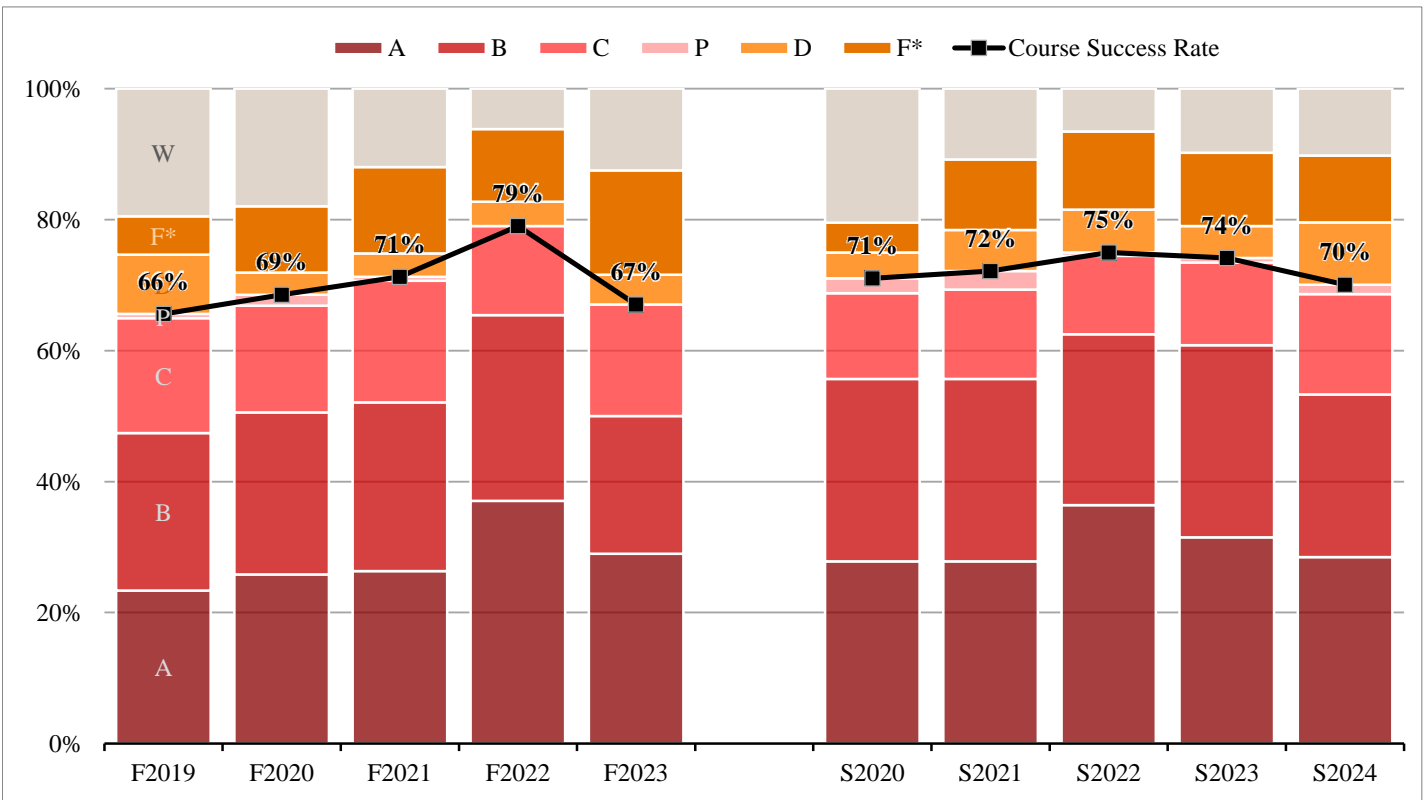
Highest Educational Level of Students

Astronomy (ASTR)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
High School/Adult School	8	9	8	6	10	5	15	7	7	2
Freshmen (<30 units)	79	95	82	45	96	92	77	69	60	66
Sophomore (30-59 units)	39	43	54	18	42	47	53	68	43	45
Other Undergraduate (60 units or more)	8	16	6	10	9	16	23	22	13	7
AA/AS Degree	5	1	1	0	1	2	0	2	2	1
BA/BS or Higher Degree	2	3	1	2	2	1	0	1	3	4
% High School/Adult School	6%	5%	5%	7%	6%	3%	9%	4%	5%	2%
% Freshmen (<30 units)	56%	57%	54%	56%	60%	56%	46%	41%	47%	53%
% Sophomore (30-59 units)	28%	26%	36%	22%	26%	29%	32%	40%	34%	36%
% Other Undergraduate (60 units or more)	6%	10%	4%	12%	6%	10%	14%	13%	10%	6%
% AA/AS Degree	4%	1%	1%	0%	1%	1%	0%	1%	2%	1%
% BA/BS or Higher Degree	1%	2%	1%	2%	1%	1%	0%	1%	2%	3%



Student Performance: Grade Distribution

Astronomy (ASTR)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Total Course Enrollments	154	178	167	81	176	176	176	184	143	137
Course Success Rates	66%	69%	71%	79%	67%	71%	72%	75%	74%	70%
A	23%	26%	26%	37%	29%	28%	28%	36%	31%	28%
B	24%	25%	26%	28%	21%	28%	28%	26%	29%	25%
C	18%	16%	19%	14%	17%	13%	14%	12%	13%	15%
P	1%	2%	1%	0%	0%	2%	3%	1%	1%	1%
Course Non-Success Rate	15%	13%	17%	15%	20%	9%	17%	18%	16%	20%
D	9%	3%	4%	4%	5%	4%	6%	7%	5%	9%
F*	6%	10%	13%	11%	16%	5%	11%	12%	11%	10%
Withdrawals (See Note)	19%	18%	12%	6%	13%	20%	11%	7%	10%	10%



Definitions:

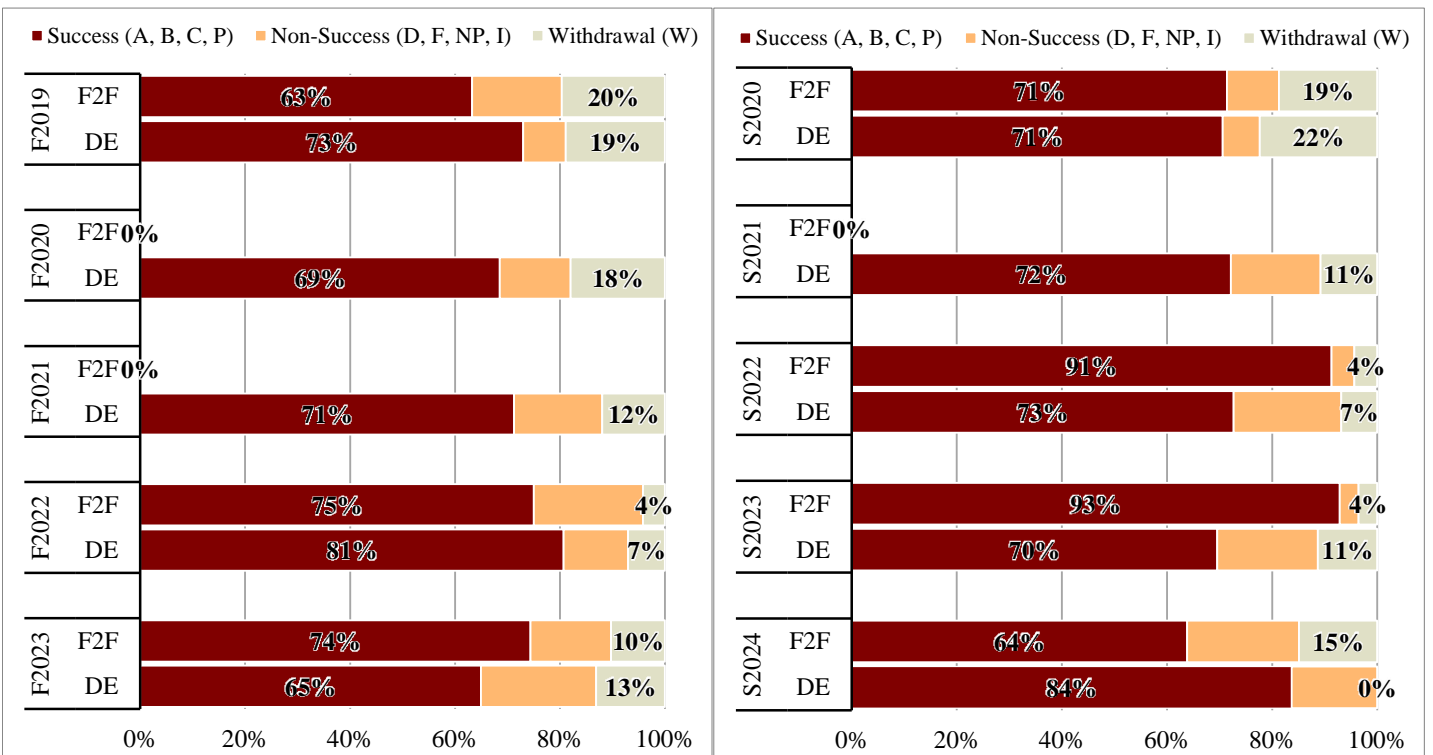
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

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				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Total Course Enrollments	154	178	167	81	176	176	176	184	143	137
Face-to-Face (F2F) Sections	117	0	0	24	39	91	0	23	28	94
Success Rates	63%	—	—	75%	74%	71%	—	91%	93%	64%
Non-Success Rates	17%	—	—	21%	15%	10%	—	4%	4%	21%
Withdrawals	20%	—	—	4%	10%	19%	—	4%	4%	15%
Distance Education (DE) Sections	37	178	167	57	137	85	176	161	115	43
Success Rates	73%	69%	71%	81%	65%	71%	72%	73%	70%	84%
Non-Success Rates	8%	13%	17%	12%	22%	7%	17%	20%	19%	16%
Withdrawals	19%	18%	12%	7%	13%	22%	11%	7%	11%	0%



Definitions:

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

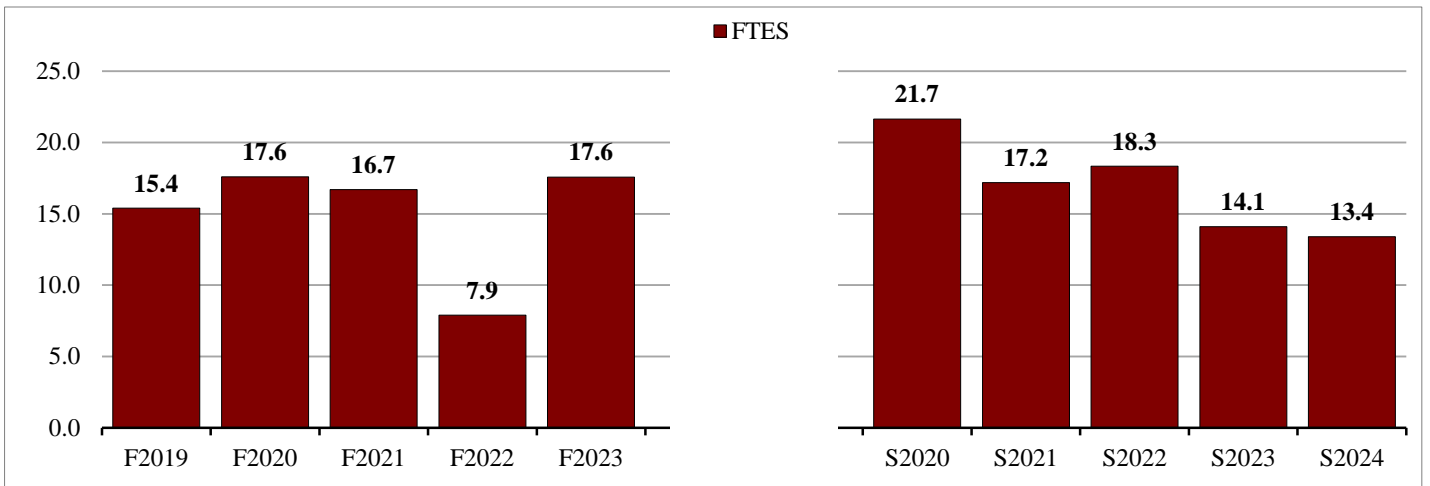
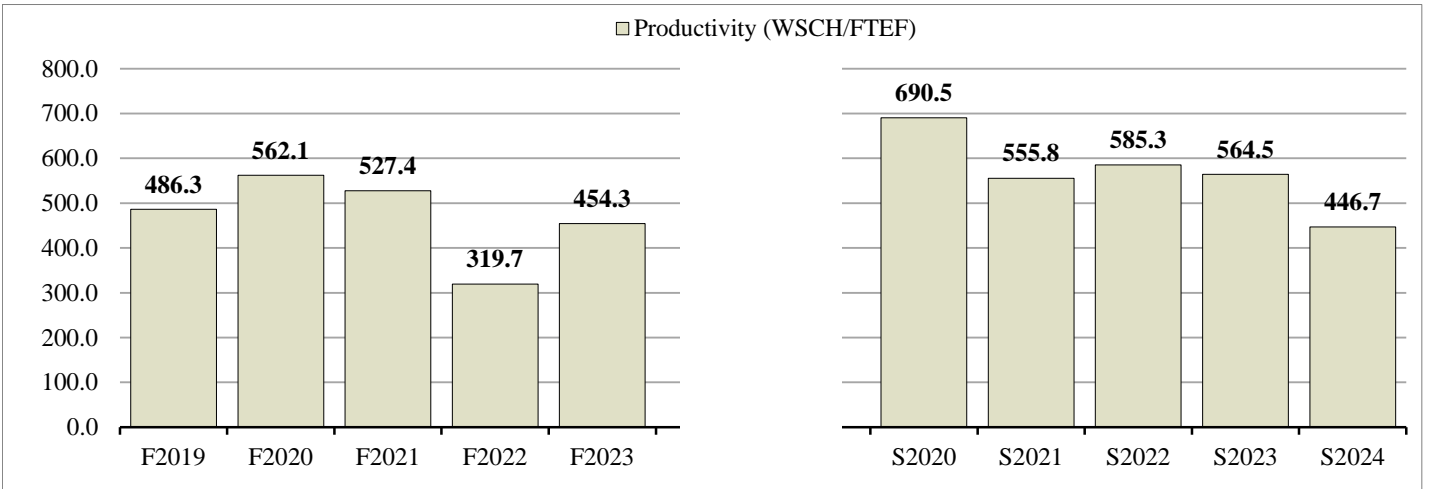
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

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				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
WSCH	462	534	501	243	527	656	528	556	429	411
FTES	15.4	17.6	16.7	7.9	17.6	21.7	17.2	18.3	14.1	13.4
FTEF	1.0	1.0	1.0	0.8	1.2	1.0	1.0	1.0	0.8	0.9
Productivity (WSCH/FTEF)	486.3	562.1	527.4	319.7	454.3	690.5	555.8	585.3	564.5	446.7



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.

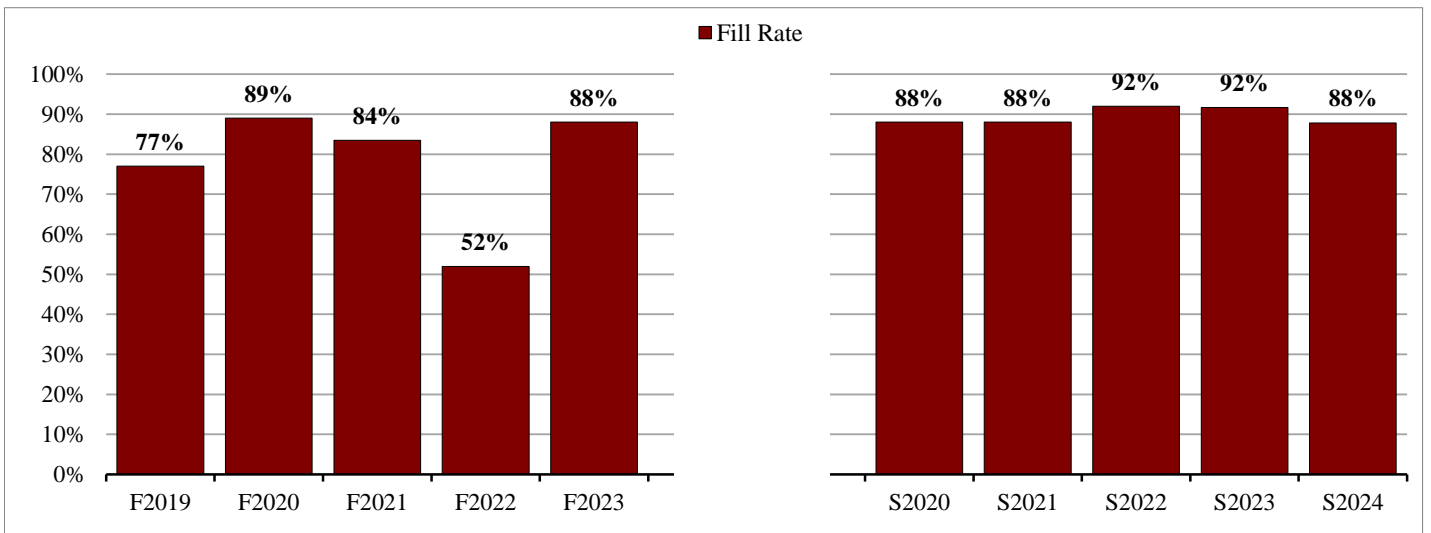
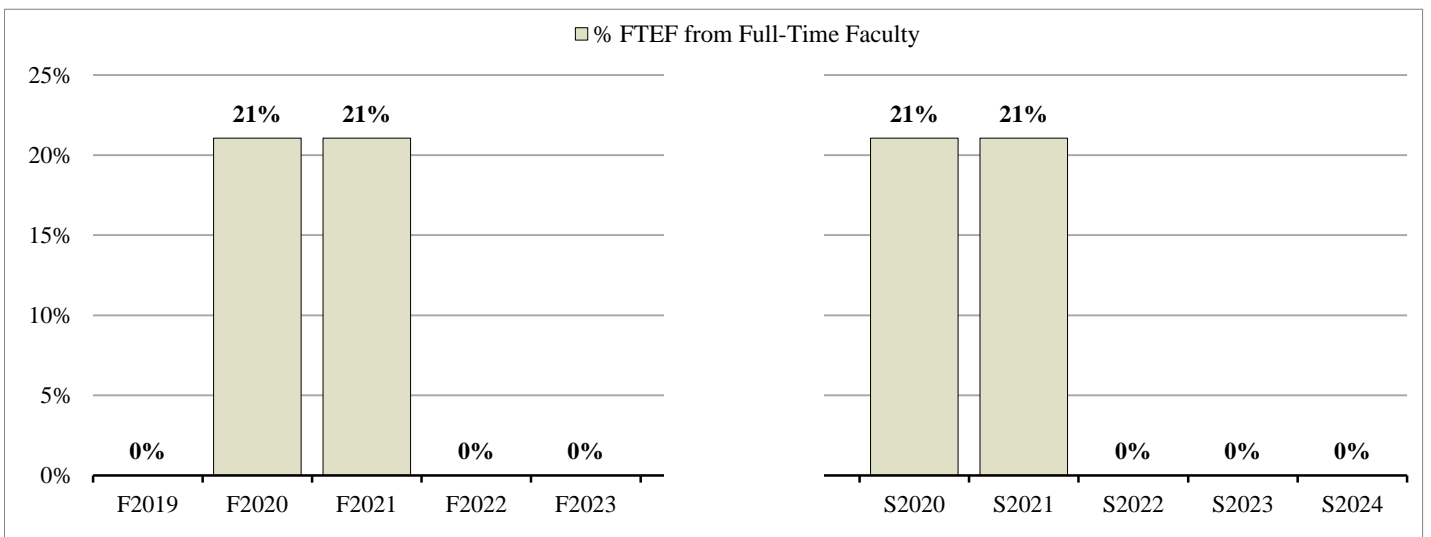
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
FTEF from Full-Time Faculty	0.0	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0	0.0
% FTEF from Full-Time Faculty	0%	21%	21%	0%	0%	21%	21%	0%	0%	0%
Enrollments	154	178	167	81	176	176	176	184	143	137
Capacity (seats available)	200	200	200	156	200	200	200	200	156	156
Fill Rate	77%	89%	84%	52%	88%	88%	88%	92%	92%	88%



Definitions:

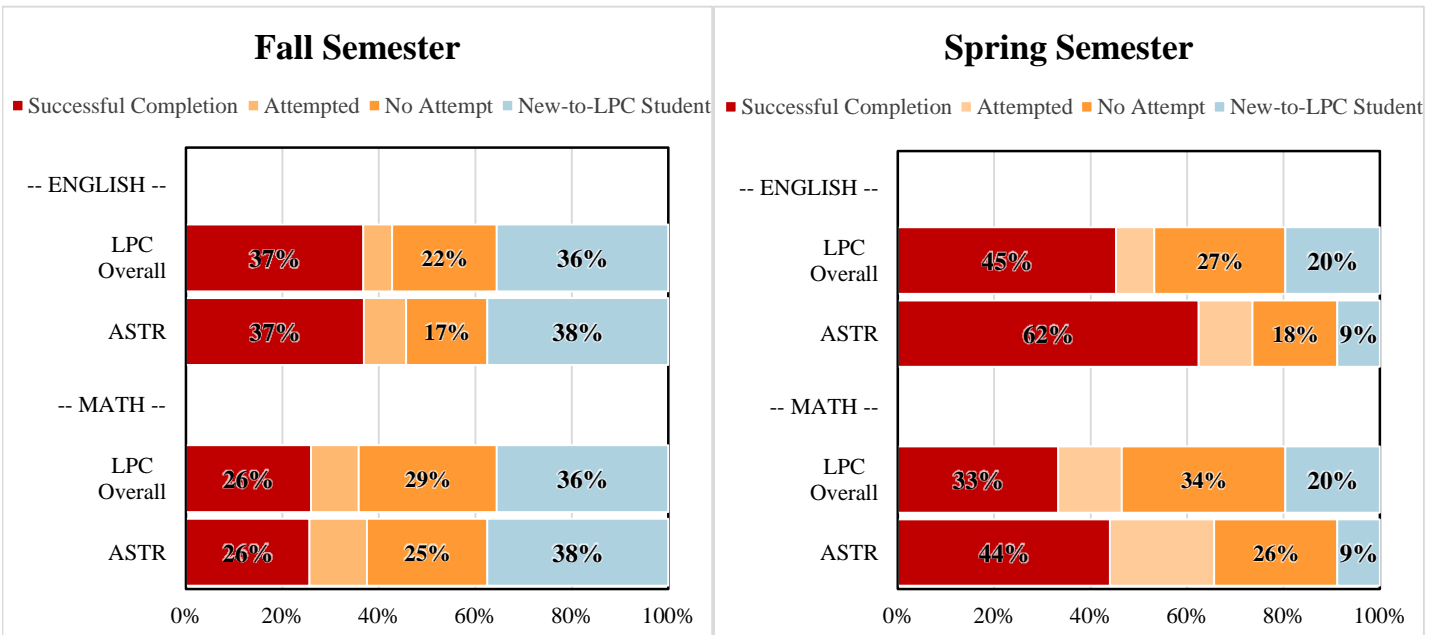
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 7/25/23.

Prior Experience in English & Math

<i>(English and math status prior to the start of the term)</i>	Fall 2023				Spring 2024			
	ASTR		LPC Overall		ASTR		LPC Overall	
	Num	Pct	Num	Pct	Num	Pct	Num	Pct
Transfer-level English								
Successful Completion*	59	37%	2,796	37%	78	62%	3,393	45%
Attempted (<i>not successful</i>)	14	9%	454	6%	14	11%	600	8%
No Attempt	27	17%	1,652	22%	22	18%	2,036	27%
New-to-LPC Student	60	38%	2,703	36%	11	9%	1,472	20%
Transfer-level Math								
Successful Completion*	41	26%	1,971	26%	55	44%	2,498	33%
Attempted (<i>not successful</i>)	19	12%	752	10%	27	22%	986	13%
No Attempt	40	25%	2,179	29%	32	26%	2,545	34%
New-to-LPC Student	60	38%	2,703	36%	11	9%	1,472	20%



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