Las Positas College

Discipline Program Review Data Packet

Fall 2019 to Spring 2024
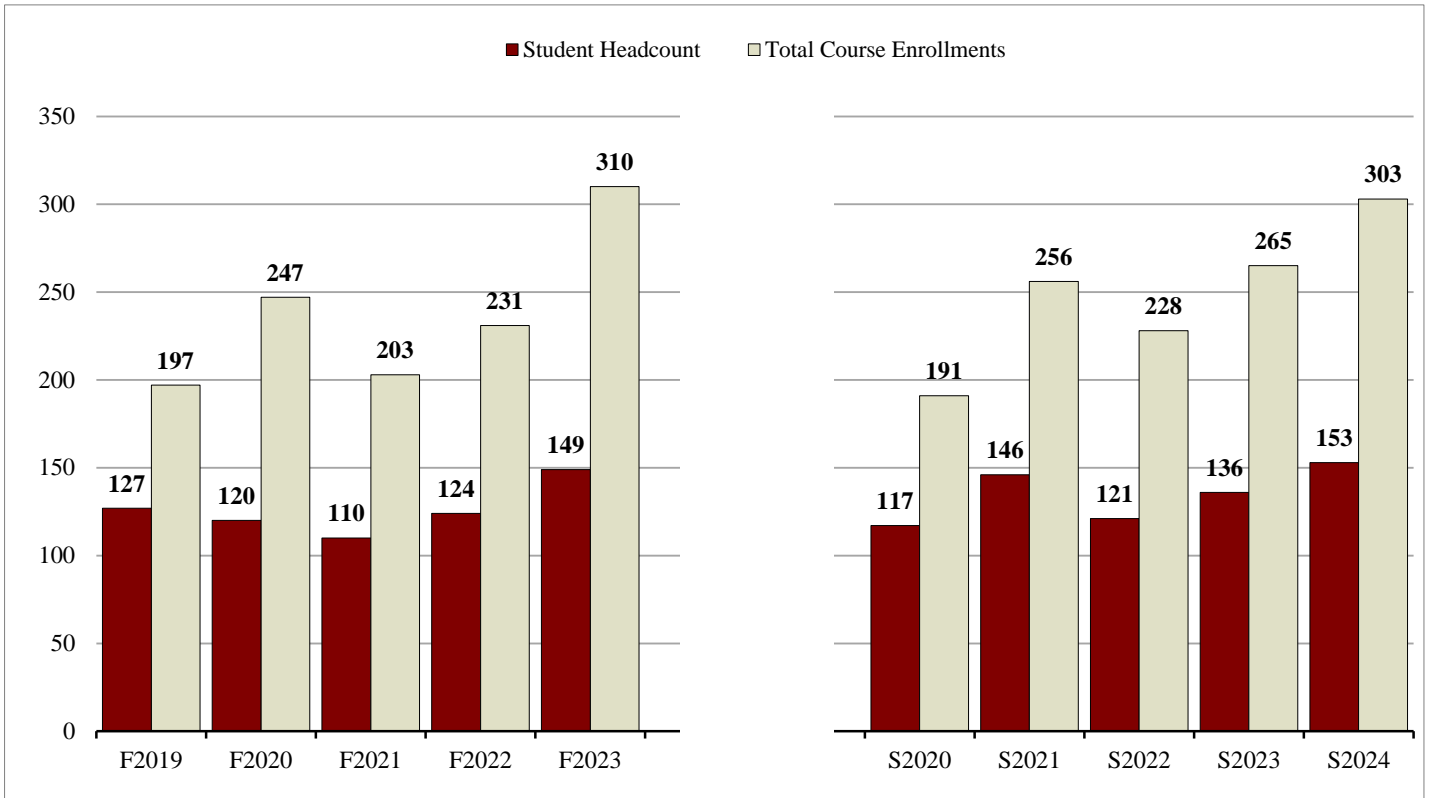
<u>Discipline</u>:

Computer Networking Technology (CNT)

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Las Positas College

Headcount & Enrollment

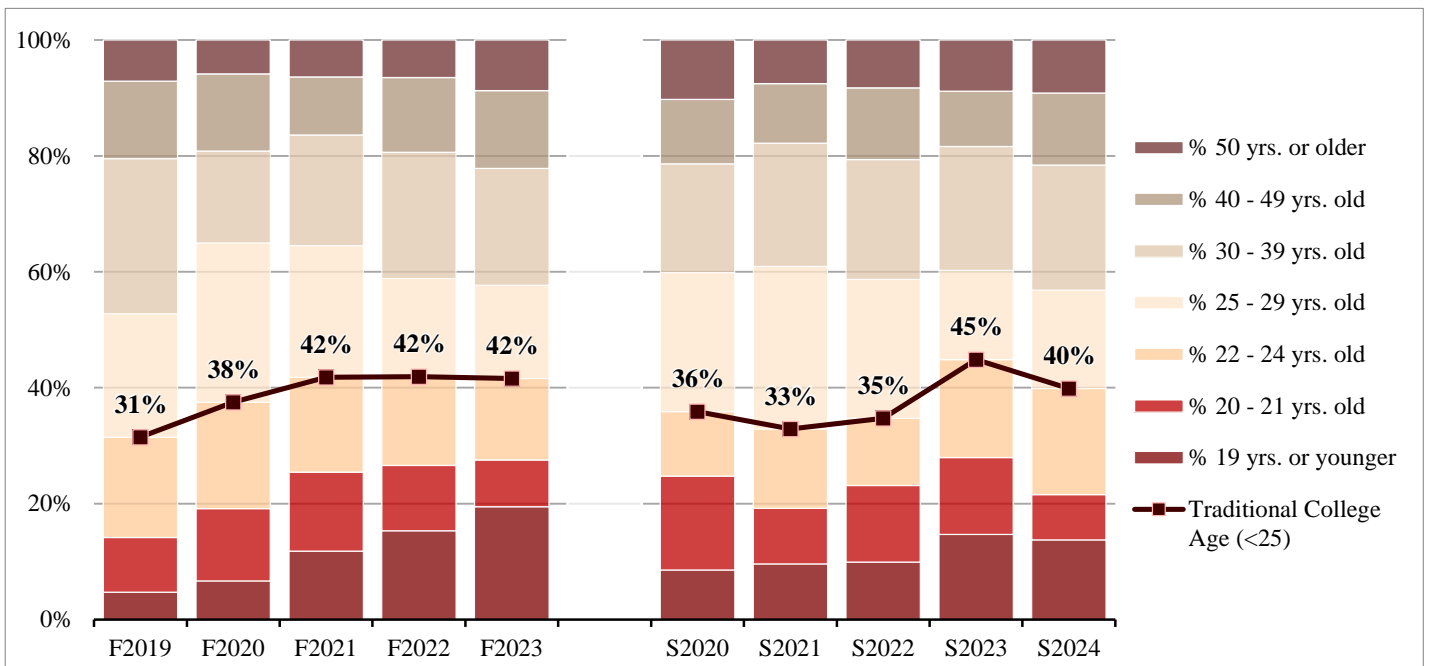| Computer Networking Technology (CNT)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Student Headcount	127	120	110	124	149	117	146	121	136	153
Total Course Enrollments	197	247	203	231	310	191	256	228	265	303

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.
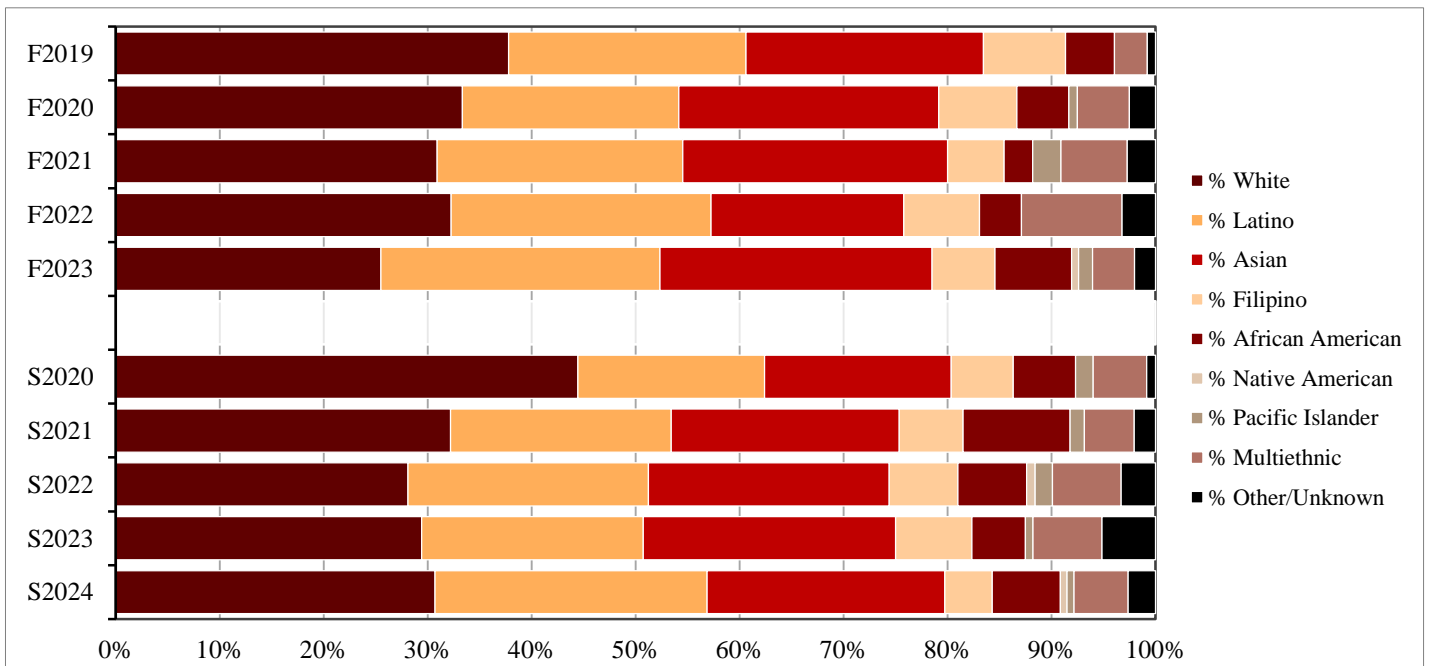
Student Demographics: Gender & Age

Computer Networking Technology (CNT)										
	Fall Terms					**Spring Terms**				
	F2019	**F2020**	**F2021**	**F2022**	**F2023**	**S2020**	**S2021**	**S2022**	**S2023**	**S2024**
Female	21	22	20	26	20	21	29	29	21	29
Male	101	96	88	94	123	93	112	88	110	122
19 yrs. or younger	6	8	13	19	29	10	14	12	20	21
20-21 yrs. old	12	15	15	14	12	19	14	16	18	12
22-24 yrs. old	22	22	18	19	21	13	20	14	23	28
25-29 yrs. old	27	33	25	21	24	28	41	29	21	26
30-39 yrs. old	34	19	21	27	30	22	31	25	29	33
40-49 yrs. old	17	16	11	16	20	13	15	15	13	19
50 yrs. or older	9	7	7	8	13	12	11	10	12	14
% Female	17%	19%	19%	22%	14%	18%	21%	25%	16%	19%
% Male	83%	81%	81%	78%	86%	82%	79%	75%	84%	81%
% 19 yrs. or younger	5%	7%	12%	15%	19%	9%	10%	10%	15%	14%
% 20 - 21 yrs. old	9%	13%	14%	11%	8%	16%	10%	13%	13%	8%
% 22 - 24 yrs. old	17%	18%	16%	15%	14%	11%	14%	12%	17%	18%
% 25 - 29 yrs. old	21%	28%	23%	17%	16%	24%	28%	24%	15%	17%
% 30 - 39 yrs. old	27%	16%	19%	22%	20%	19%	21%	21%	21%	22%
% 40 - 49 yrs. old	13%	13%	10%	13%	13%	11%	10%	12%	10%	12%
% 50 yrs. or older	7%	6%	6%	6%	9%	10%	8%	8%	9%	9%

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Student Demographic: Race-Ethnicity

Computer Networking Technology (CNT)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
African American	6	6	3	5	11	7	15	8	7	10
Asian	29	30	28	23	39	21	32	28	33	35
Filipino	10	9	6	9	9	7	9	8	10	7
Latino	29	25	26	31	40	21	31	28	29	40
Native American	0	0	0	0	1	0	0	1	0	1
Pacific Islander	0	1	3	0	2	2	2	2	1	1
White	48	40	34	40	38	52	47	34	40	47
Multiethnic	4	6	7	12	6	6	7	8	9	8
Other/Unknown	1	3	3	4	3	1	3	4	7	4
% African American	5%	5%	3%	4%	7%	6%	10%	7%	5%	7%
% Asian	23%	25%	25%	19%	26%	18%	22%	23%	24%	23%
% Filipino	8%	8%	5%	7%	6%	6%	6%	7%	7%	5%
% Latino	23%	21%	24%	25%	27%	18%	21%	23%	21%	26%
% Native American	0%	0%	0%	0%	1%	0%	0%	1%	0%	1%
% Pacific Islander	0%	1%	3%	0%	1%	2%	1%	2%	1%	1%
% White	38%	33%	31%	32%	26%	44%	32%	28%	29%	31%
% Multiethnic	3%	5%	6%	10%	4%	5%	5%	7%	7%	5%
% Other/Unknown	1%	3%	3%	3%	2%	1%	2%	3%	5%	3%

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Student Enrollment Status

Computer Networking Technology (CNT)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
First-Time Any College	4	10	9	12	26	1	2	4	11	6
First-Time Transfer	23	16	8	12	12	14	11	10	10	11
Continuing	75	73	76	74	86	80	102	86	83	107
Returning	24	20	15	23	24	22	29	21	28	28
Concurrent Enrollment	1	1	2	3	1	0	2	0	4	1
% First-Time Any College	3%	8%	8%	10%	17%	1%	1%	3%	8%	4%
% First-Time Transfer	18%	13%	7%	10%	8%	12%	8%	8%	7%	7%
% Continuing	59%	61%	69%	60%	58%	68%	70%	71%	61%	70%
% Returning	19%	17%	14%	19%	16%	19%	20%	17%	21%	18%
% Concurrent Enrollment	1%	1%	2%	2%	1%	0%	1%	0%	3%	1%
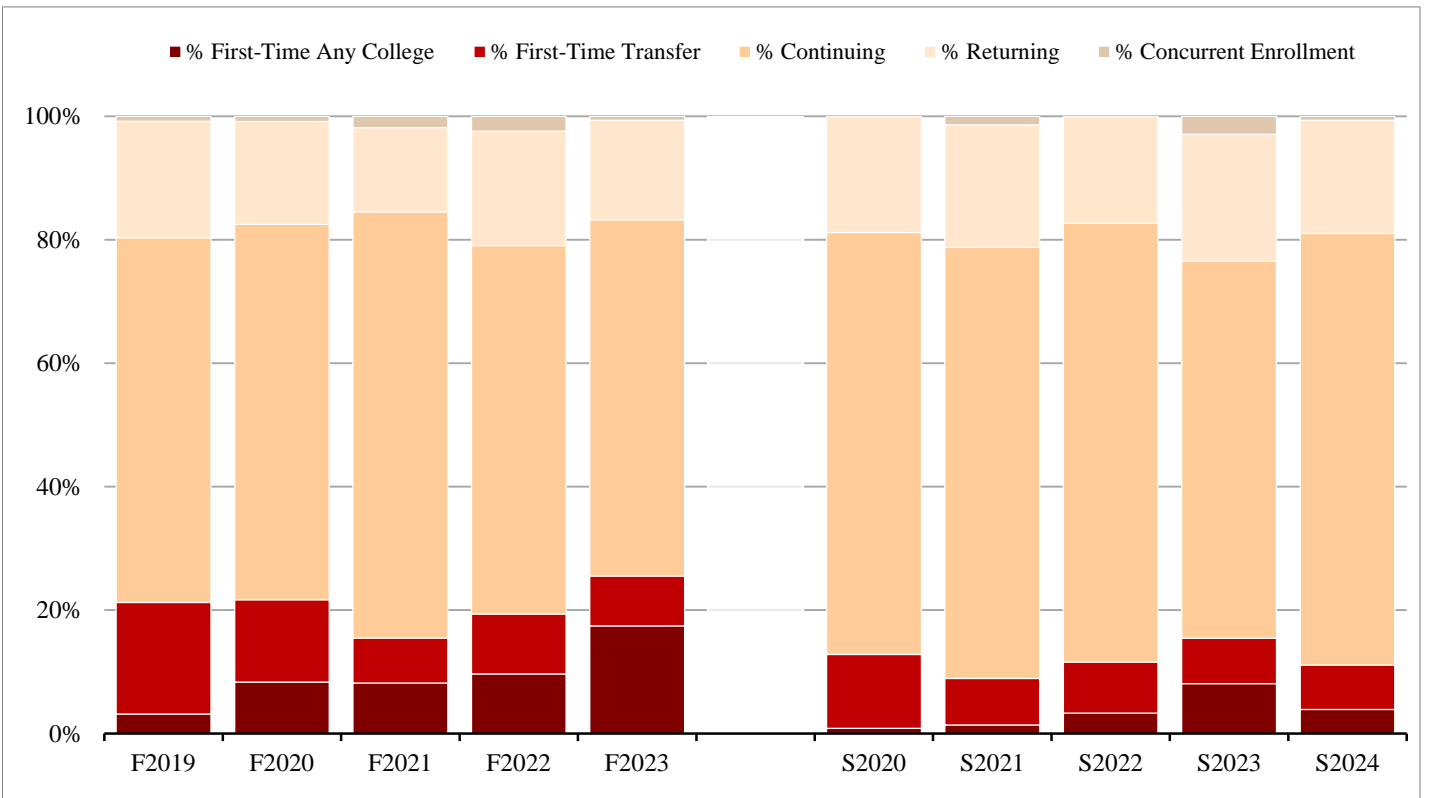
Definitions:

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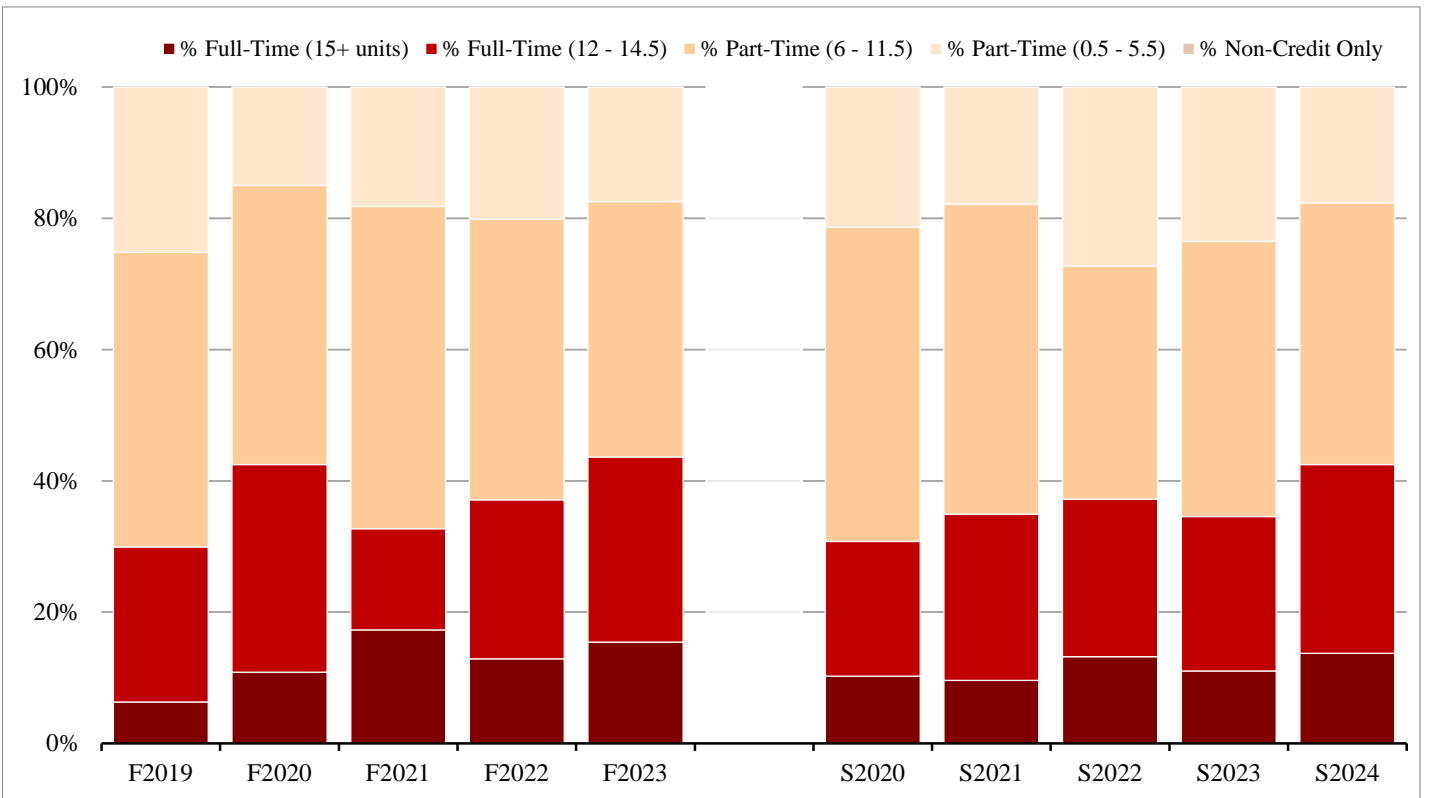
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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

Computer Networking Technology (CNT)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Full-Time (15+ units)	8	13	19	16	23	12	14	16	15	21
Full-Time (12 - 14.5 units)	30	38	17	30	42	24	37	29	32	44
Part-Time (6 - 11.5 units)	57	51	54	53	58	56	69	43	57	61
Part-Time (0.5 - 5.5 units)	32	18	20	25	26	25	26	33	32	27
Non-Credit Only	0	0	0	0	0	0	0	0	0	0
% Full-Time (15+ units)	6%	11%	17%	13%	15%	10%	10%	13%	11%	14%
% Full-Time (12 - 14.5)	24%	32%	15%	24%	28%	21%	25%	24%	24%	29%
% Part-Time (6 - 11.5)	45%	43%	49%	43%	39%	48%	47%	36%	42%	40%
% Part-Time (0.5 - 5.5)	25%	15%	18%	20%	17%	21%	18%	27%	24%	18%
% Non-Credit Only	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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Students Using Distance Education

| Computer Networking Technology (CNT)										
	Fall Terms					**Spring Terms**				
(Categories reflect college-wide coursework)	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Face-to-Face (F2F) Only	40	0	0	0	0	37	0	0	0	0
Both F2F and DE	54	5	1	12	24	49	3	8	20	30
Distance Education (DE) Only	33	115	109	112	125	31	143	113	116	123
% Face-to-Face (F2F) Only	31%	0%	0%	0%	0%	32%	0%	0%	0%	0%
% Both F2F and DE	43%	4%	1%	10%	16%	42%	2%	7%	15%	20%
% Distance Education (DE) Only	26%	96%	99%	90%	84%	26%	98%	93%	85%	80%
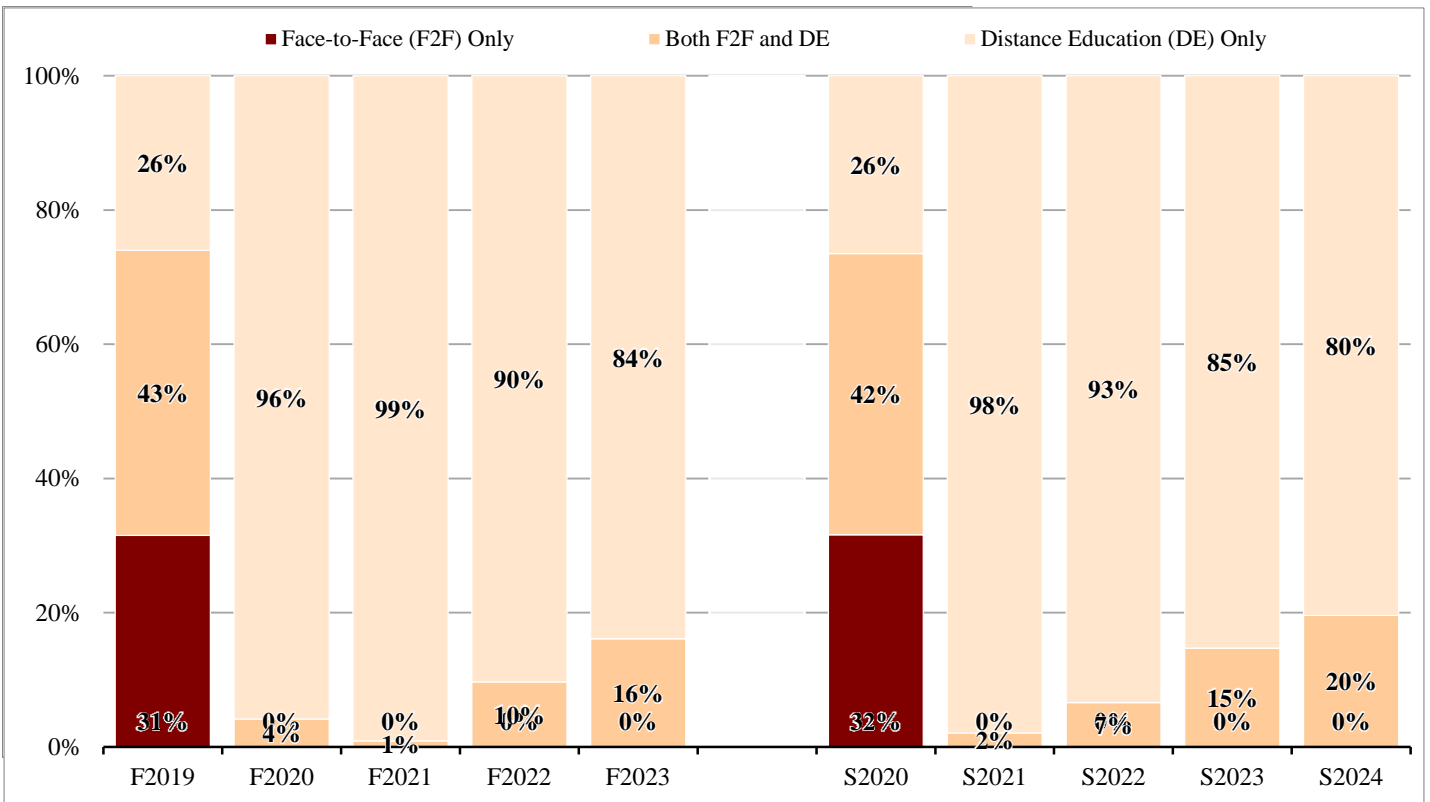
Definitions:

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 preset, via course attributes identifying course modality, or, when no attributes are provided, via section numbers (as previously indicated).

Student Educational Goal

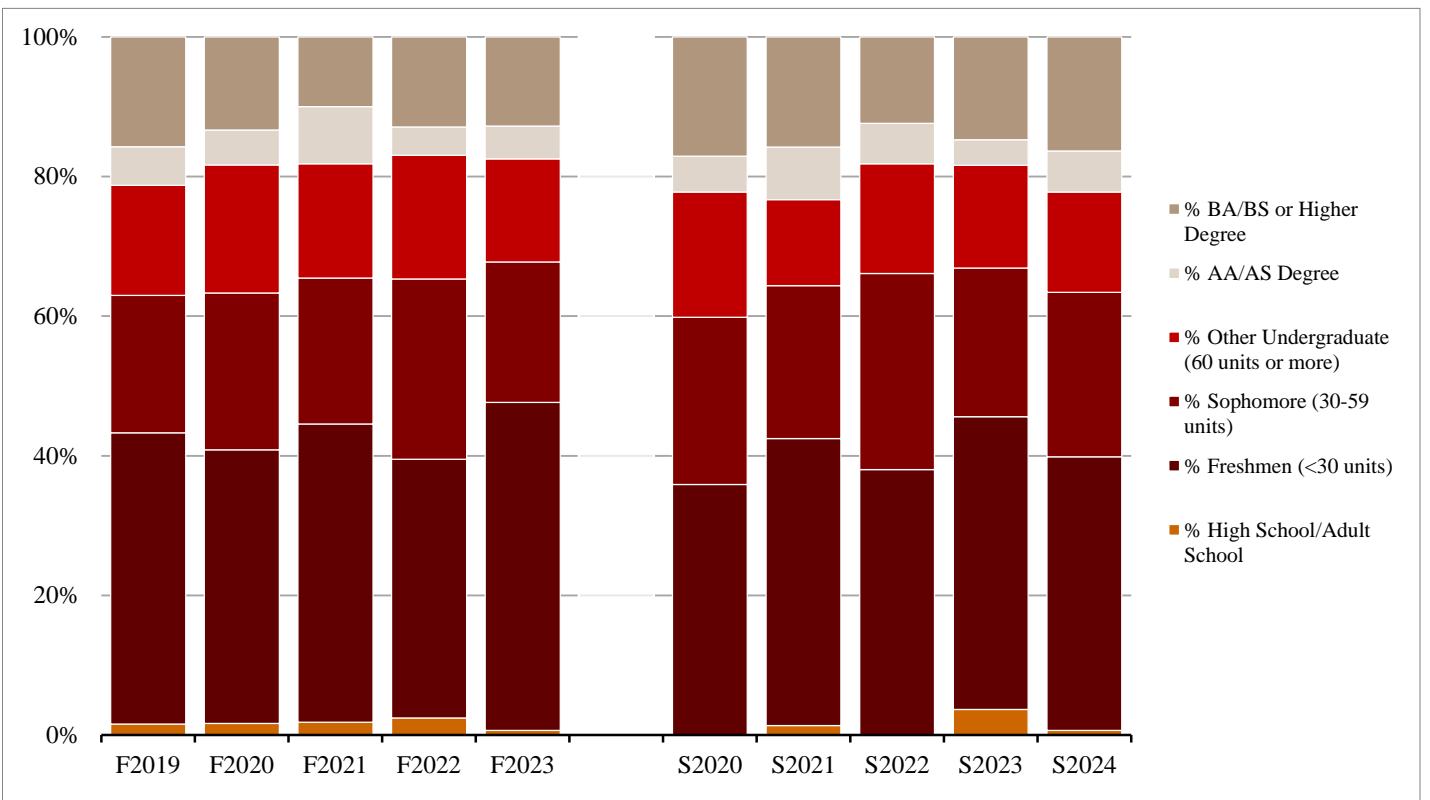| Computer Networking Technology (CNT)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Transfer (w/ or w/o AA/AS degree)	58	68	55	60	71	56	68	59	69	77
Associate Degree Only (AA/AS)	18	12	10	15	22	14	13	13	17	24
Occupational Certificate / Job Training	33	24	30	34	35	31	41	32	31	32
Improve English/Math Basic Skills	4	4	3	2	2	1	3	1	6	1
Personal Development (intellectual/cultural)	2	1	1	6	4	3	3	4	4	7
Other	0	2	0	0	0	0	1	0	0	0
Undecided	12	9	11	7	15	10	17	12	9	12
Unknown	0	0	0	0	0	2	0	0	0	0
% Transfer (w/ or w/o AA/AS degree)	46%	57%	50%	48%	48%	48%	47%	49%	51%	50%
% Associate Degree Only (AA/AS)	14%	10%	9%	12%	15%	12%	9%	11%	13%	16%
% Occupational Certificate / Job Training	26%	20%	27%	27%	23%	26%	28%	26%	23%	21%
% Improve English/Math Basic Skills	3%	3%	3%	2%	1%	1%	2%	1%	4%	1%
% Personal Dev. (intellectual/cultural)	2%	1%	1%	5%	3%	3%	2%	3%	3%	5%
% Other	0%	2%	0%	0%	0%	0%	1%	0%	0%	0%
% Undecided	9%	8%	10%	6%	10%	9%	12%	10%	7%	8%
% Unknown	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%
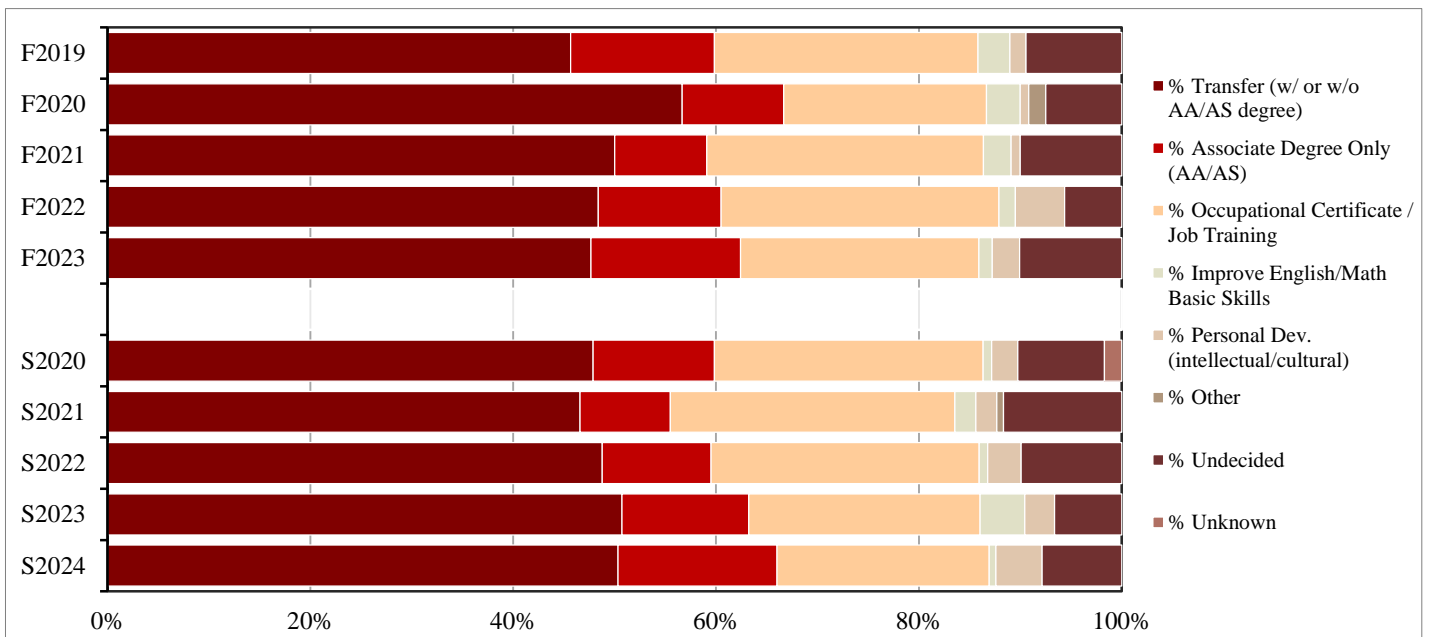
Definitions:

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

Computer Networking Technology (CNT)										
	Fall Terms					**Spring Terms**				
	F2019	**F2020**	**F2021**	**F2022**	**F2023**	**S2020**	**S2021**	**S2022**	**S2023**	**S2024**
High School/Adult School	2	2	2	3	1	0	2	0	5	1
Freshmen (<30 units)	53	47	47	46	70	42	60	46	57	60
Sophomore (30-59 units)	25	27	23	32	30	28	32	34	29	36
Other Undergraduate (60 units or more)	20	22	18	22	22	21	18	19	20	22
AA/AS Degree	7	6	9	5	7	6	11	7	5	9
BA/BS or Higher Degree	20	16	11	16	19	20	23	15	20	25
% High School/Adult School	2%	2%	2%	2%	1%	0%	1%	0%	4%	1%
% Freshmen (<30 units)	42%	39%	43%	37%	47%	36%	41%	38%	42%	39%
% Sophomore (30-59 units)	20%	23%	21%	26%	20%	24%	22%	28%	21%	24%
% Other Undergraduate (60 units or more)	16%	18%	16%	18%	15%	18%	12%	16%	15%	14%
% AA/AS Degree	6%	5%	8%	4%	5%	5%	8%	6%	4%	6%
% BA/BS or Higher Degree	16%	13%	10%	13%	13%	17%	16%	12%	15%	16%

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Student Performance: Grade Distribution

| Computer Networking Technology (CNT)										
	Fall Terms					**Spring Terms**				
	F2019	**F2020**	**F2021**	**F2022**	**F2023**	**S2020**	**S2021**	**S2022**	**S2023**	**S2024**
Total Course Enrollments	197	247	203	231	310	191	256	228	265	303
Course Success Rates	**70%**	**79%**	**77%**	**78%**	**70%**	**65%**	**70%**	**77%**	**72%**	**78%**
A	50%	64%	60%	63%	54%	49%	51%	57%	63%	65%
B	12%	11%	8%	10%	10%	8%	14%	13%	4%	6%
C	8%	2%	9%	5%	6%	5%	5%	7%	6%	6%
P	1%	1%	0%	0%	0%	3%	<1%	0%	0%	<1%
Course Non-Success Rate	**15%**	**5%**	**7%**	**8%**	**19%**	**5%**	**16%**	**11%**	**16%**	**15%**
D	3%	2%	0%	2%	2%	3%	6%	2%	1%	1%
F*	12%	3%	7%	6%	17%	3%	10%	8%	15%	15%
Withdrawals (See Note)	**15%**	**17%**	**16%**	**14%**	**11%**	**30%**	**14%**	**12%**	**12%**	**7%**
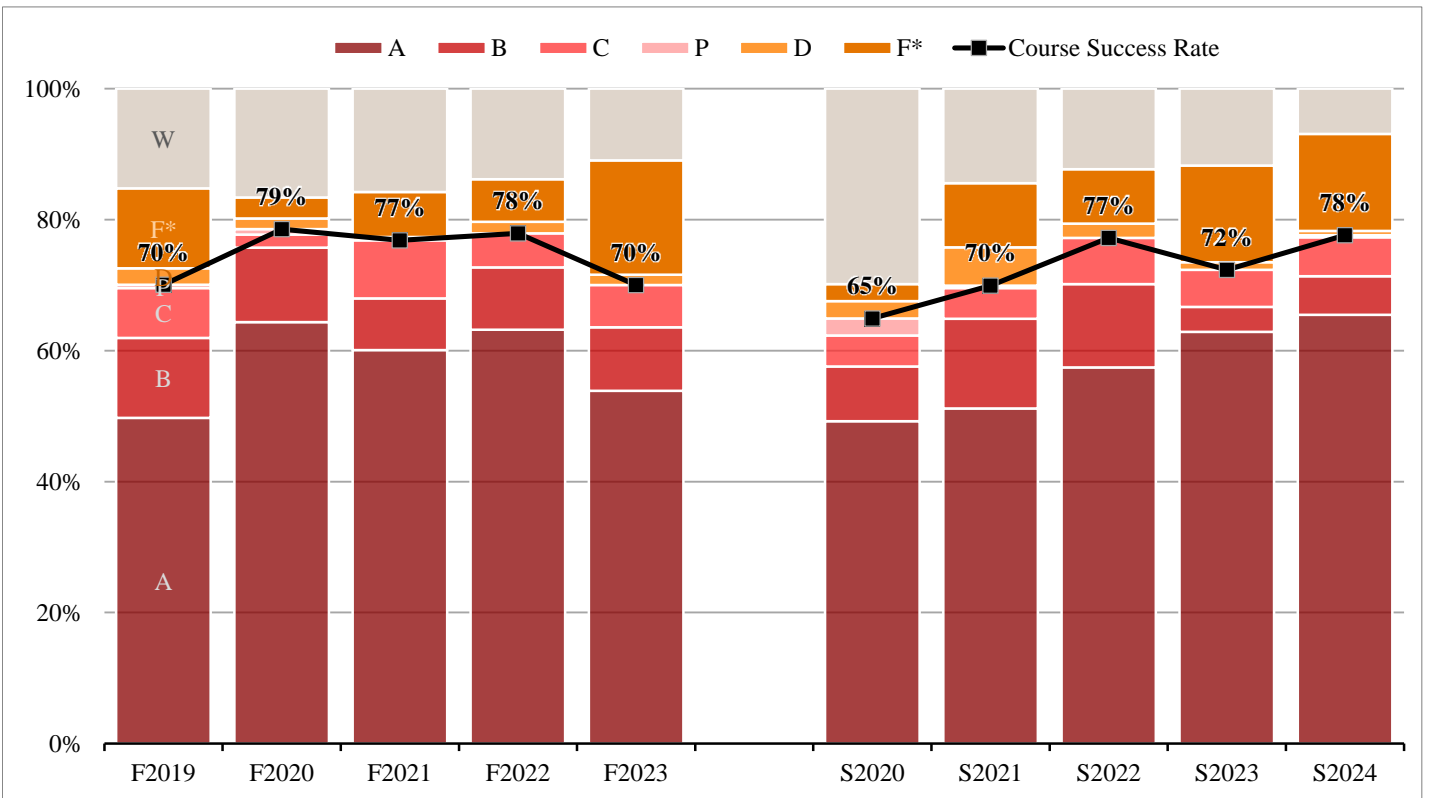
Definitions:

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' 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

Computer Networking Technology (CNT)										
	Fall Terms					**Spring Terms**				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
Total Course Enrollments	197	247	203	231	310	191	256	228	265	303
Face-to-Face (F2F) Sections	92	0	0	0	0	87	0	0	0	0
Success Rates	71%	100%	—	—	—	66%	—	—	—	100%
Non-Success Rates	12%	0%	—	—	—	5%	—	—	—	0%
Withdrawals	17%	0%	—	—	—	30%	—	—	—	0%
Distance Education (DE) Sections	105	247	203	231	310	104	256	228	265	303
Success Rates	70%	78%	77%	78%	70%	64%	70%	77%	72%	78%
Non-Success Rates	17%	5%	7%	8%	19%	6%	16%	11%	16%	16%
Withdrawals	13%	17%	16%	14%	11%	30%	14%	12%	12%	7%
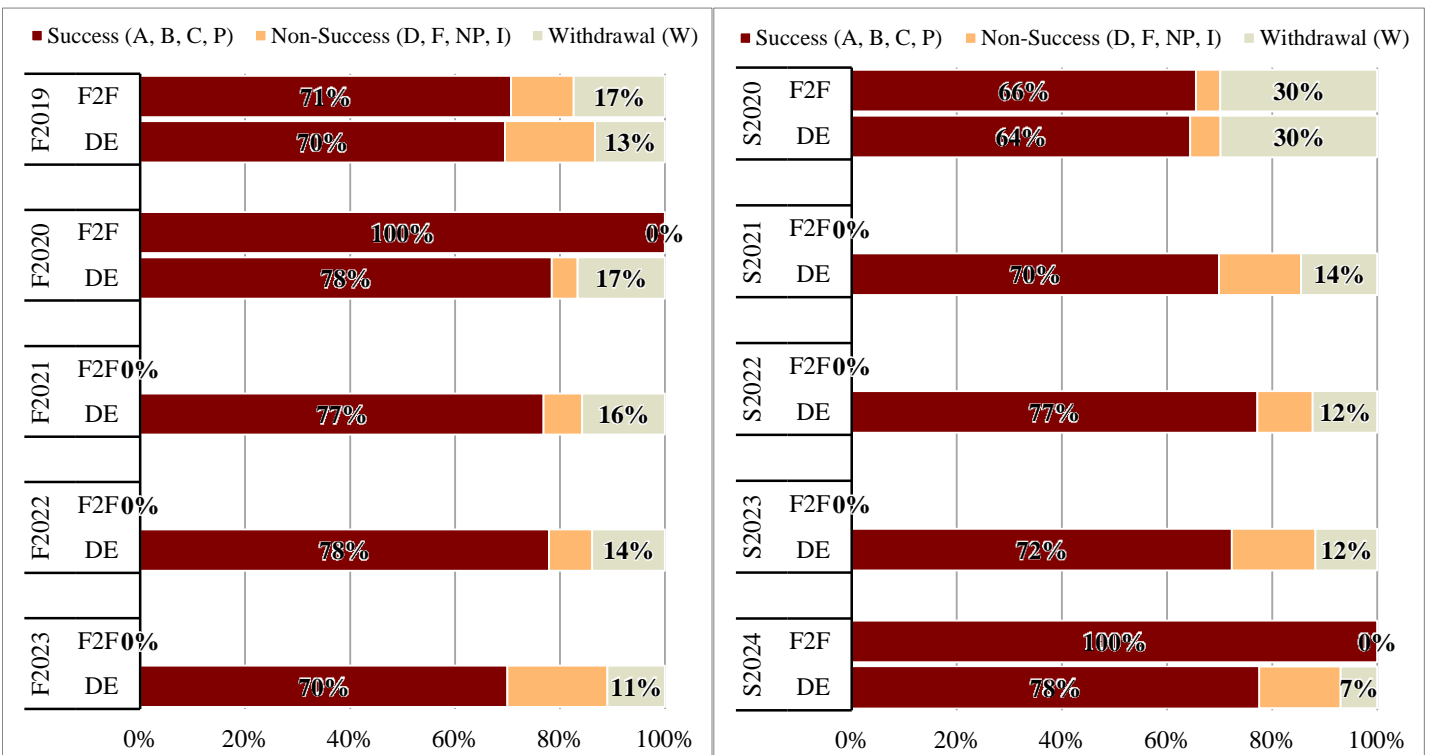
Definitions:

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', '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.

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

Computer Networking Technology (CNT)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
WSCH	853	1,063	857	1,000	1,303	830	1,093	965	1,163	1,281
FTES	27.3	34.9	28.6	32.3	42.7	26.7	35.8	32.0	37.7	41.4
FTEF	2.4	2.1	2.1	2.4	2.6	2.2	2.4	2.6	2.8	2.8
Productivity (WSCH/FTEF)	355.6	517.0	399.0	415.6	506.4	385.0	454.3	365.8	414.6	451.4
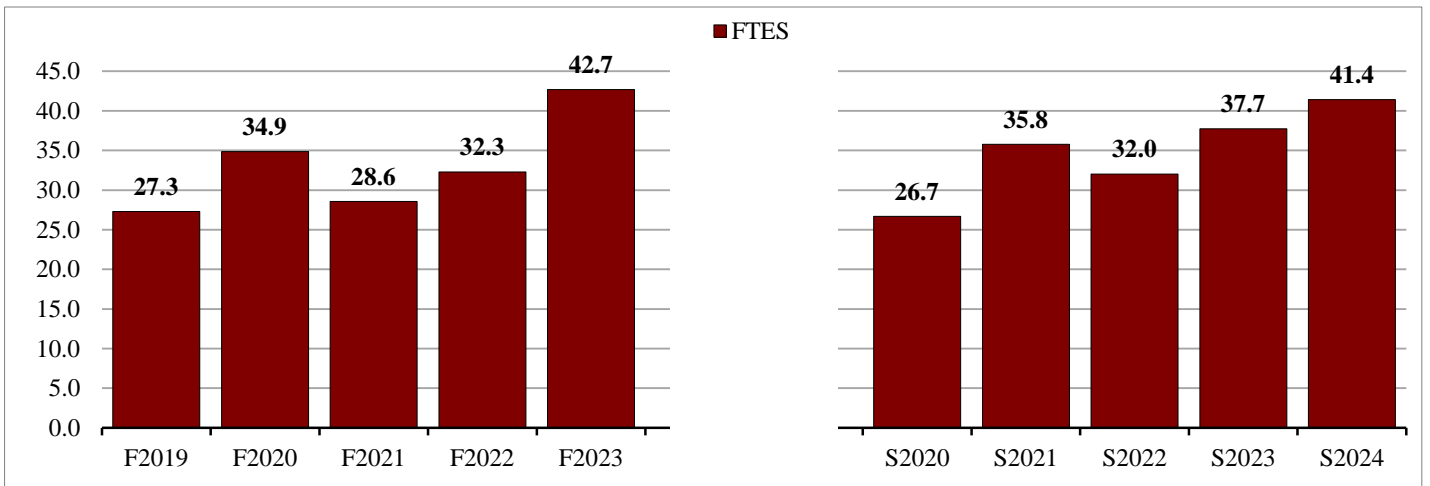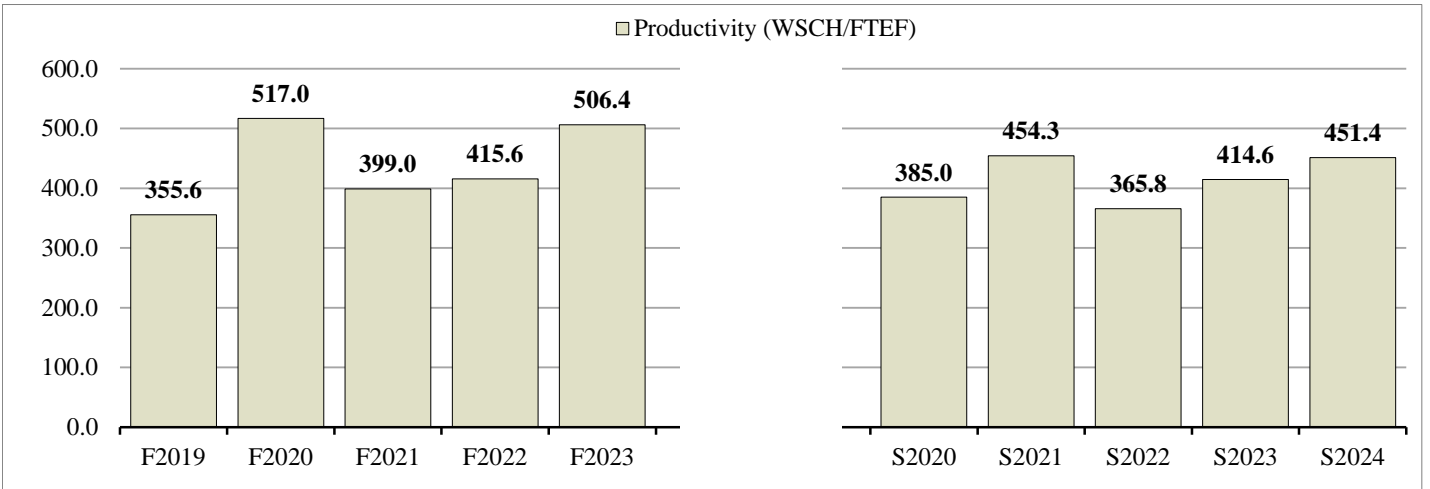
Definitions:

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

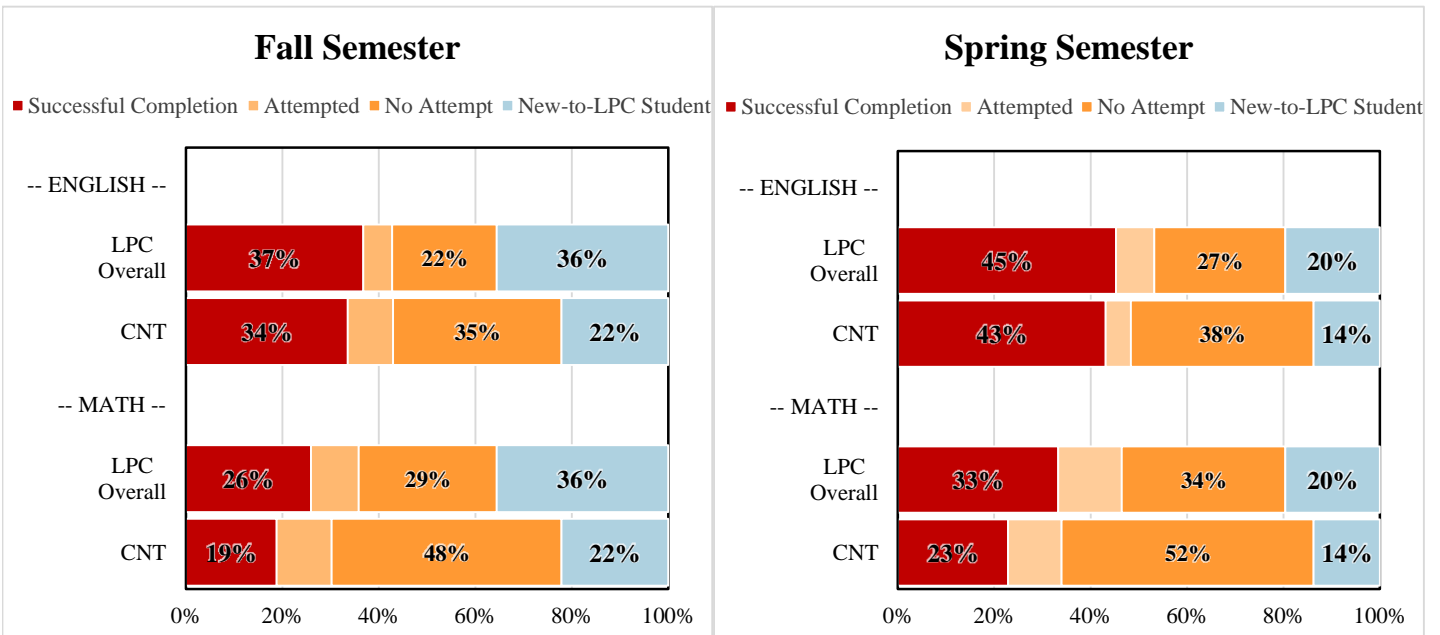| Computer Networking Technology (CNT)										
	Fall Terms					Spring Terms				
	F2019	F2020	F2021	F2022	F2023	S2020	S2021	S2022	S2023	S2024
FTEF from Full-Time Faculty	1.6	2.1	1.8	1.7	2.0	1.9	2.2	2.6	2.5	2.2
% FTEF from Full-Time Faculty	65%	100%	84%	71%	77%	89%	90%	100%	88%	79%
Enrollments	197	247	203	231	310	191	256	228	265	303
Capacity (seats available)	210	223	180	210	270	210	270	270	270	300
Fill Rate	94%	111%	113%	110%	115%	91%	95%	84%	98%	101%
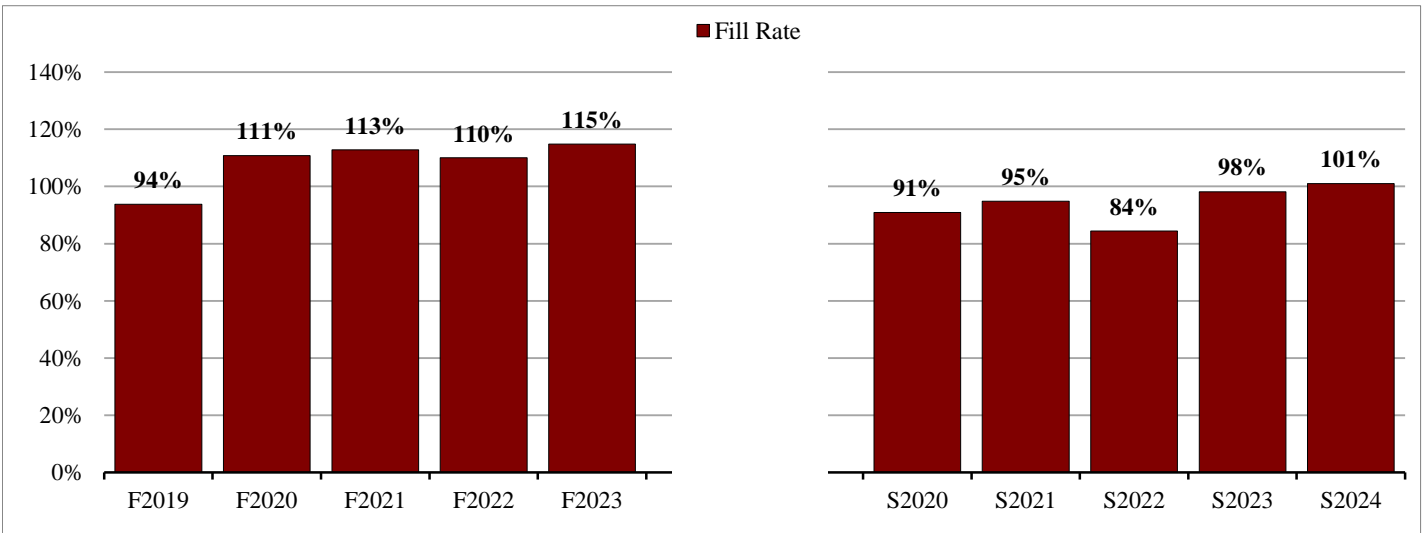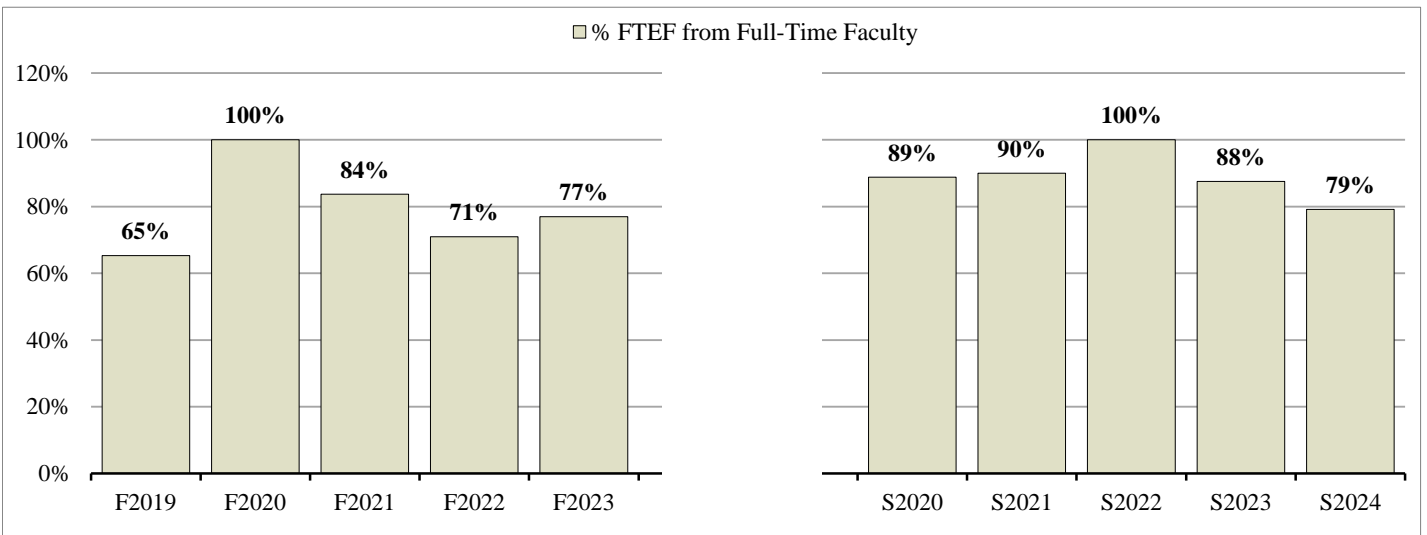
Definitions:

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 2023				Spring 2024			
	CNT		LPC Overall		CNT		LPC Overall	
	Num	Pct	Num	Pct	Num	Pct	Num	Pct
Transfer-level English								
Successful Completion*	50	34%	2,796	37%	66	43%	3,393	45%
Attempted *(not successful)*	14	9%	454	6%	8	5%	600	8%
No Attempt	52	35%	1,652	22%	58	38%	2,036	27%
New-to-LPC Student	33	22%	2,703	36%	21	14%	1,472	20%
Transfer-level Math								
Successful Completion*	28	19%	1,971	26%	35	23%	2,498	33%
Attempted *(not successful)*	17	11%	752	10%	17	11%	986	13%
No Attempt	71	48%	2,179	29%	80	52%	2,545	34%
New-to-LPC Student	33	22%	2,703	36%	21	14%	1,472	20%

Fall Semester

Legend: ■ Successful Completion ■ Attempted ■ No Attempt ■ New-to-LPC Student

-- ENGLISH --
LPC Overall: 37% / 22% / 36%
CNT: 34% / 35% / 22%

-- MATH --
LPC Overall: 26% / 29% / 36%
CNT: 19% / 48% / 22%

Spring Semester

Legend: ■ Successful Completion ■ Attempted ■ No Attempt ■ New-to-LPC Student

-- ENGLISH --
LPC Overall: 45% / 27% / 20%
CNT: 43% / 38% / 14%

-- MATH --
LPC Overall: 33% / 34% / 20%
CNT: 23% / 52% / 14%

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.