Las Positas College

Discipline Program Review Data Packet

Fall 2018 to Spring 2023
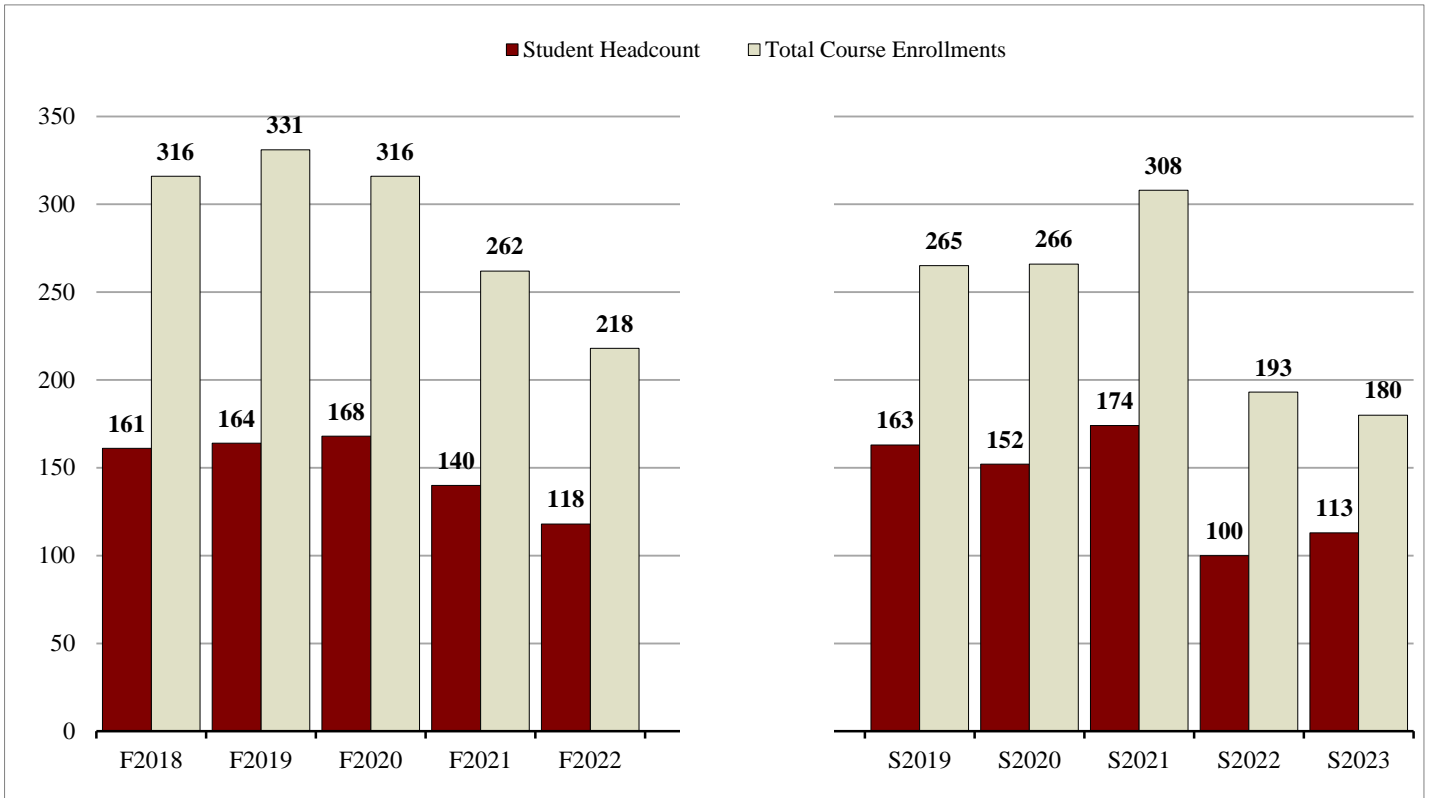
Discipline:

Fire Service Technology (FST)

Office of Research, Planning, and Institutional Effectiveness
Las Positas College

Headcount & Enrollment

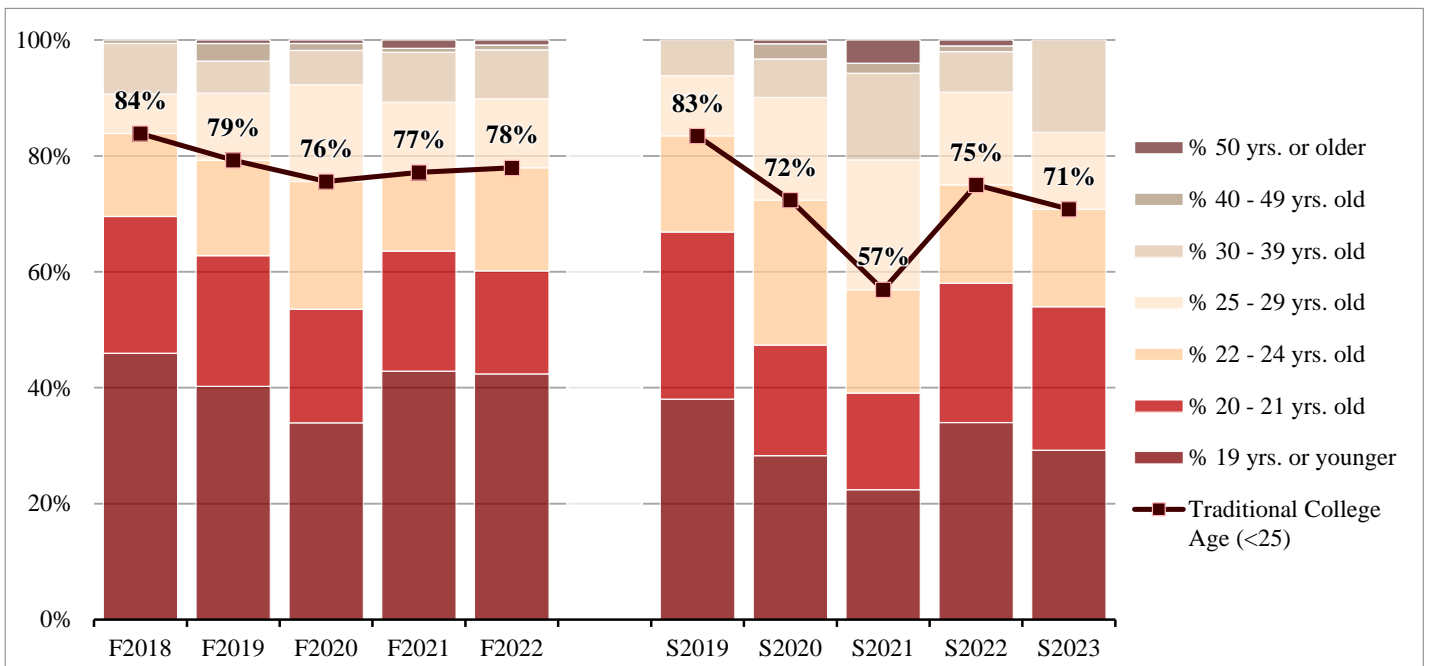| Fire Service Technology (FST)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Student Headcount	161	164	168	140	118	163	152	174	100	113
Total Course Enrollments	316	331	316	262	218	265	266	308	193	180

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.
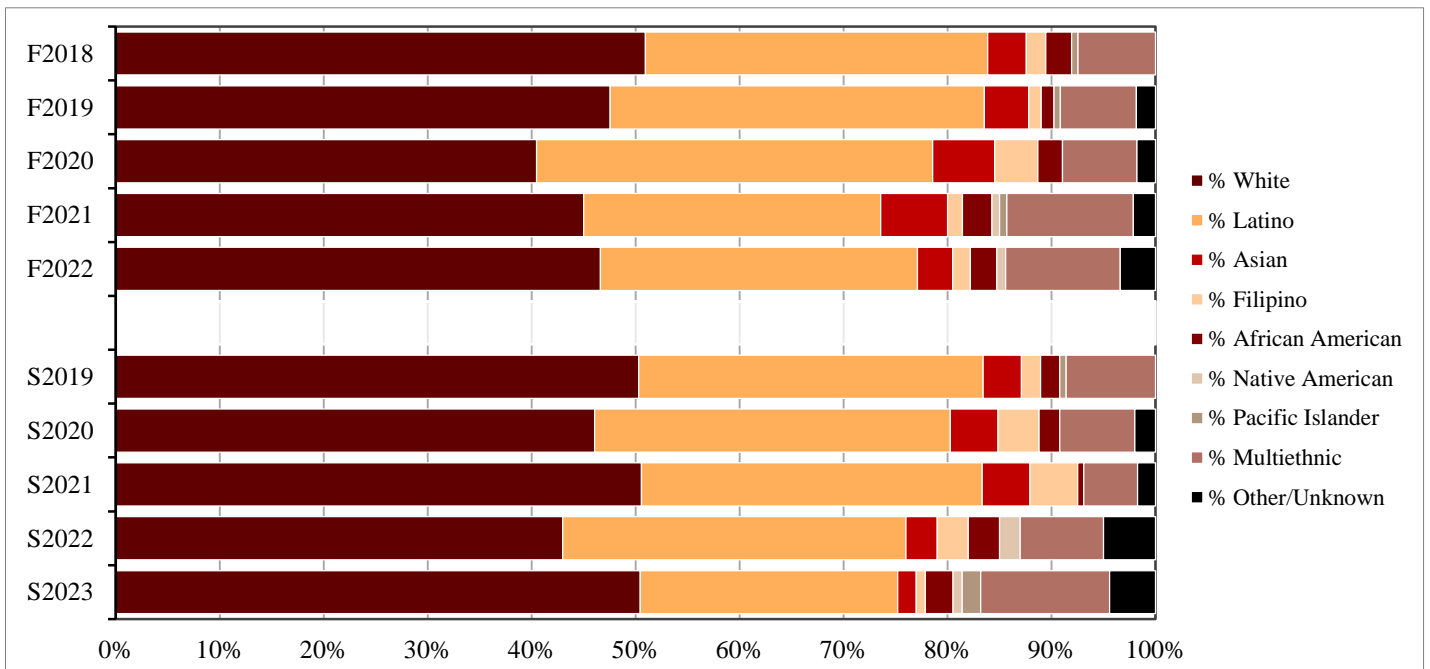
Student Demographics: Gender & Age

Fire Service Technology (FST)										
	Fall Terms					**Spring Terms**				
	F2018	**F2019**	**F2020**	**F2021**	**F2022**	**S2019**	**S2020**	**S2021**	**S2022**	**S2023**
Female	17	16	14	9	14	24	20	23	9	10
Male	142	141	151	129	100	135	130	151	87	100
19 yrs. or younger	74	66	57	60	50	62	43	39	34	33
20-21 yrs. old	38	37	33	29	21	47	29	29	24	28
22-24 yrs. old	23	27	37	19	21	27	38	31	17	19
25-29 yrs. old	11	19	28	17	14	17	27	39	16	15
30-39 yrs. old	14	9	10	12	10	10	10	26	7	18
40-49 yrs. old	1	5	2	1	1	0	4	3	1	0
50 yrs. or older	0	1	1	2	1	0	1	7	1	0
% Female	11%	10%	8%	7%	12%	15%	13%	13%	9%	9%
% Male	89%	90%	92%	93%	88%	85%	87%	87%	91%	91%
% 19 yrs. or younger	46%	40%	34%	43%	42%	38%	28%	22%	34%	29%
% 20 - 21 yrs. old	24%	23%	20%	21%	18%	29%	19%	17%	24%	25%
% 22 - 24 yrs. old	14%	16%	22%	14%	18%	17%	25%	18%	17%	17%
% 25 - 29 yrs. old	7%	12%	17%	12%	12%	10%	18%	22%	16%	13%
% 30 - 39 yrs. old	9%	5%	6%	9%	8%	6%	7%	15%	7%	16%
% 40 - 49 yrs. old	1%	3%	1%	1%	1%	0%	3%	2%	1%	0%
% 50 yrs. or older	0%	1%	1%	1%	1%	0%	1%	4%	1%	0%

Student Demographic: Race-Ethnicity

Fire Service Technology (FST)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
African American	4	2	4	4	3	3	3	1	3	3
Asian	6	7	10	9	4	6	7	8	3	2
Filipino	3	2	7	2	2	3	6	8	3	1
Latino	53	59	64	40	36	54	52	57	33	28
Native American	0	0	0	1	1	0	0	0	2	1
Pacific Islander	1	1	0	1	0	1	0	0	0	2
White	82	78	68	63	55	82	70	88	43	57
Multiethnic	12	12	12	17	13	14	11	9	8	14
Other/Unknown	0	3	3	3	4	0	3	3	5	5
% African American	2%	1%	2%	3%	3%	2%	2%	1%	3%	3%
% Asian	4%	4%	6%	6%	3%	4%	5%	5%	3%	2%
% Filipino	2%	1%	4%	1%	2%	2%	4%	5%	3%	1%
% Latino	33%	36%	38%	29%	31%	33%	34%	33%	33%	25%
% Native American	0%	0%	0%	1%	1%	0%	0%	0%	2%	1%
% Pacific Islander	1%	1%	0%	1%	0%	1%	0%	0%	0%	2%
% White	51%	48%	40%	45%	47%	50%	46%	51%	43%	50%
% Multiethnic	7%	7%	7%	12%	11%	9%	7%	5%	8%	12%
% Other/Unknown	0%	2%	2%	2%	3%	0%	2%	2%	5%	4%

Student Enrollment Status

Fire Service Technology (FST)										
	Fall Terms					**Spring Terms**				
	F2018	**F2019**	**F2020**	**F2021**	**F2022**	**S2019**	**S2020**	**S2021**	**S2022**	**S2023**
First-Time Any College	47	36	39	35	28	8	9	19	1	7
First-Time Transfer	18	8	26	17	19	7	17	27	10	11
Continuing	85	111	85	74	61	136	116	115	81	89
Returning	7	5	15	14	10	7	7	10	7	6
Concurrent Enrollment	4	4	3	0	0	5	3	3	1	0
% First-Time Any College	29%	22%	23%	25%	24%	5%	6%	11%	1%	6%
% First-Time Transfer	11%	5%	15%	12%	16%	4%	11%	16%	10%	10%
% Continuing	53%	68%	51%	53%	52%	83%	76%	66%	81%	79%
% Returning	4%	3%	9%	10%	8%	4%	5%	6%	7%	5%
% Concurrent Enrollment	2%	2%	2%	0%	0%	3%	2%	2%	1%	0%
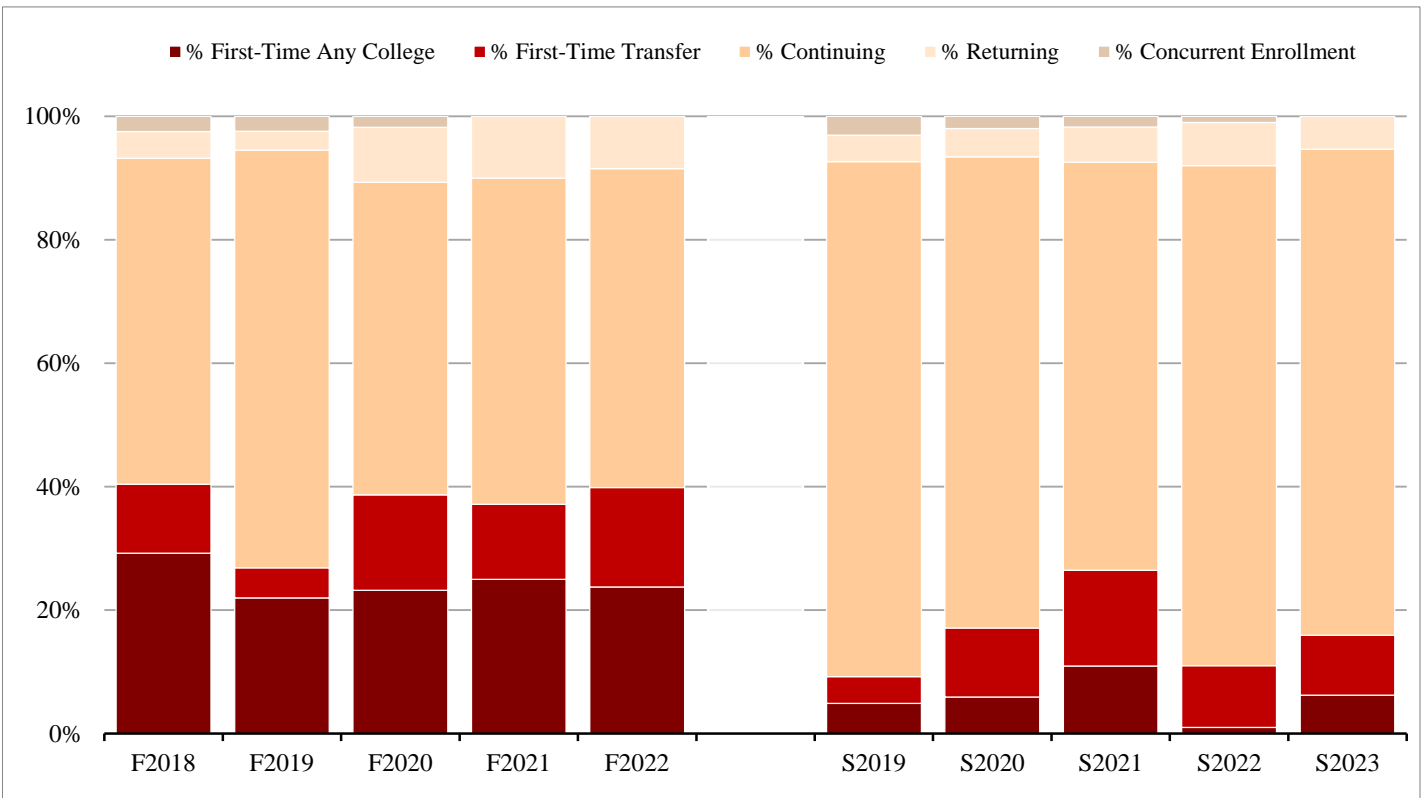
Definitions:

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

Fire Service Technology (FST)										
	Fall Terms					**Spring Terms**				
	F2018	**F2019**	**F2020**	**F2021**	**F2022**	**S2019**	**S2020**	**S2021**	**S2022**	**S2023**
Full-Time (15+ units)	16	25	17	15	11	42	38	36	31	38
Full-Time (12 - 14.5 units)	48	37	46	38	33	56	43	29	22	19
Part-Time (6 - 11.5 units)	74	84	71	60	49	56	50	66	36	31
Part-Time (0.5 - 5.5 units)	23	18	34	27	25	9	21	43	11	25
Non-Credit Only	0	0	0	0	0	0	0	0	0	0
% Full-Time (15+ units)	10%	15%	10%	11%	9%	26%	25%	21%	31%	34%
% Full-Time (12 - 14.5)	30%	23%	27%	27%	28%	34%	28%	17%	22%	17%
% Part-Time (6 - 11.5)	46%	51%	42%	43%	42%	34%	33%	38%	36%	27%
% Part-Time (0.5 - 5.5)	14%	11%	20%	19%	21%	6%	14%	25%	11%	22%
% Non-Credit Only	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
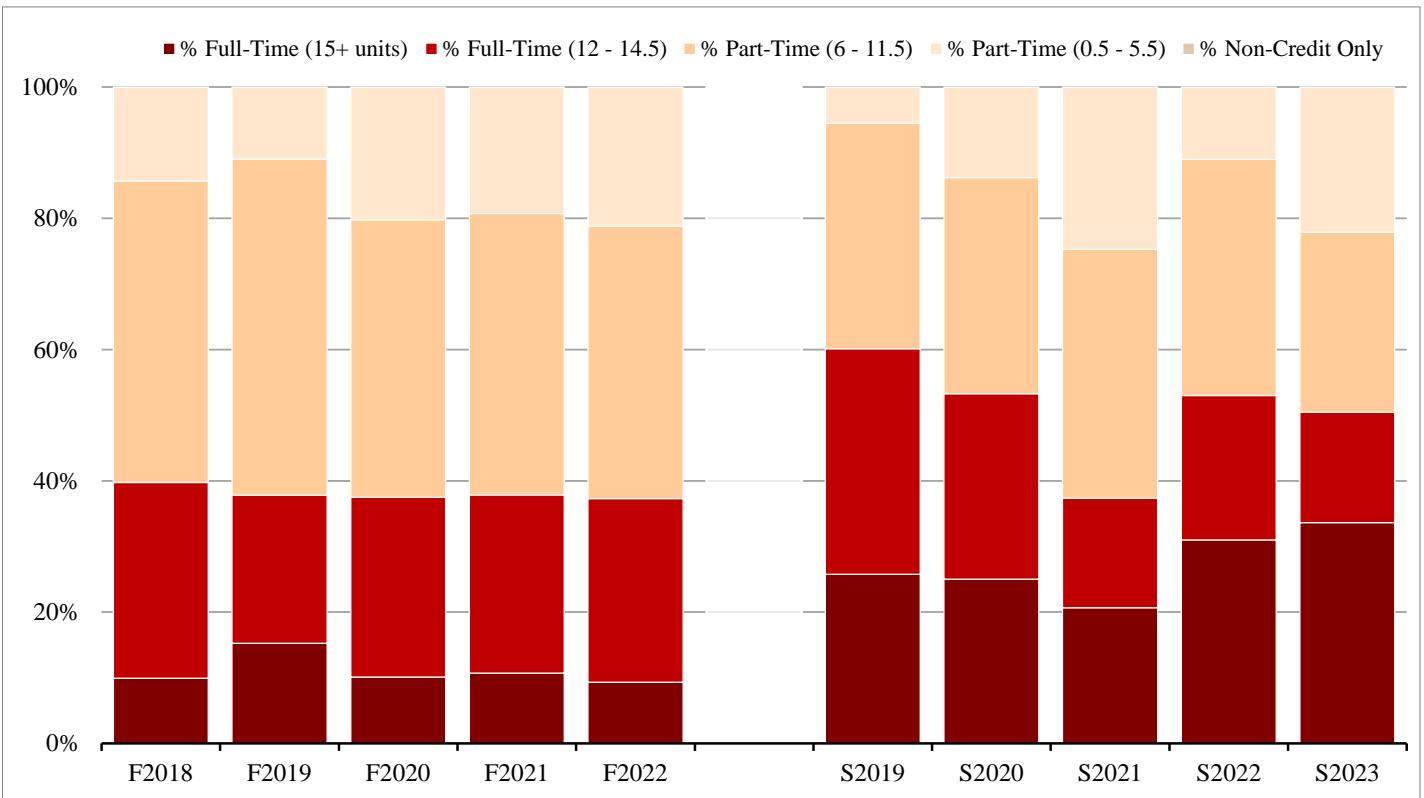
Students Using Distance Education

| Fire Service Technology (FST)										
	Fall Terms					Spring Terms				
(Categories reflect college-wide coursework)	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Face-to-Face (F2F) Only	146	149	0	5	41	138	133	48	71	90
Both F2F and DE	15	15	25	61	54	25	19	27	29	23
Distance Education (DE) Only	0	0	143	74	23	0	0	99	0	0
% Face-to-Face (F2F) Only	91%	91%	0%	4%	35%	85%	88%	28%	71%	80%
% Both F2F and DE	9%	9%	15%	44%	46%	15%	13%	16%	29%	20%
% Distance Education (DE) Only	0%	0%	85%	53%	19%	0%	0%	57%	0%	0%
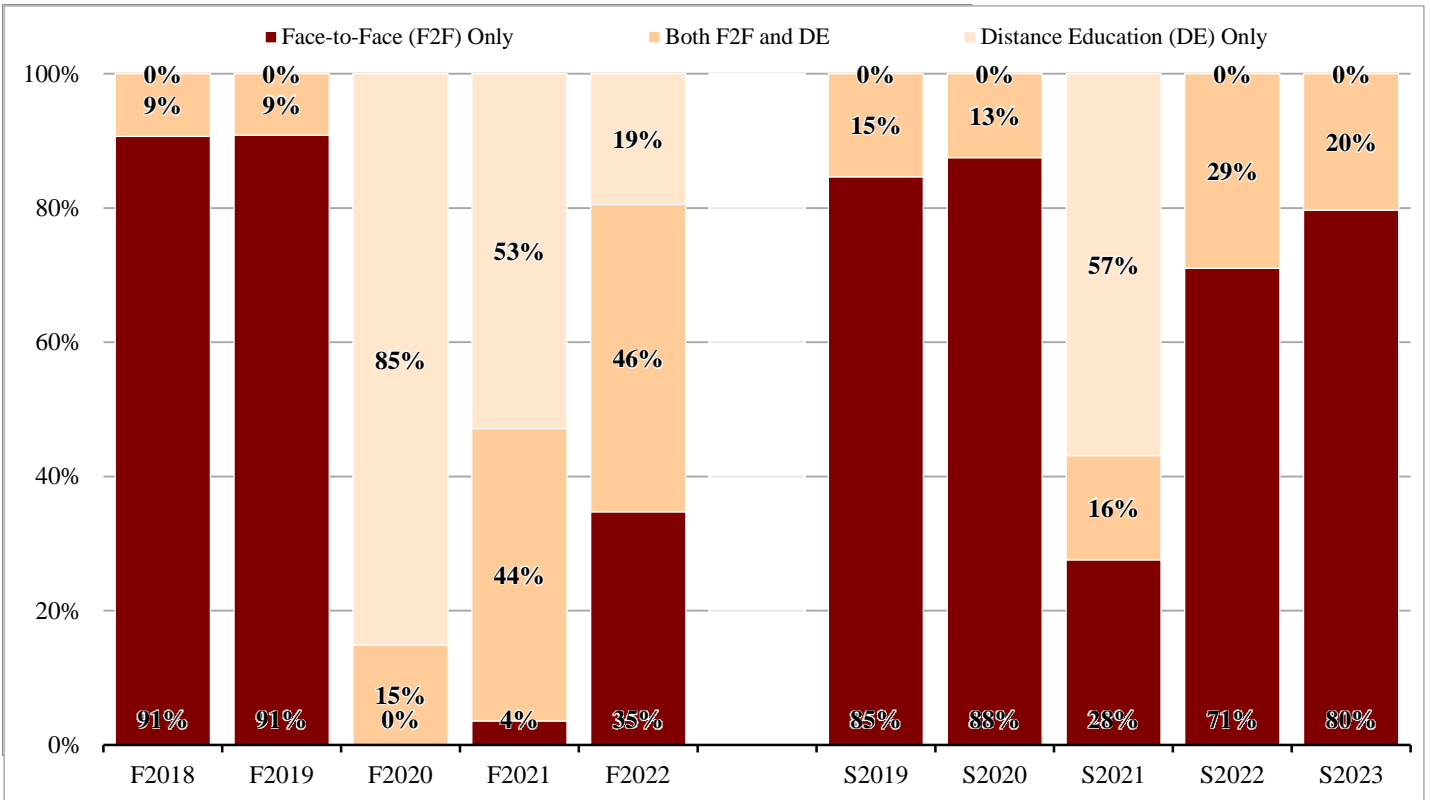
Definitions:

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

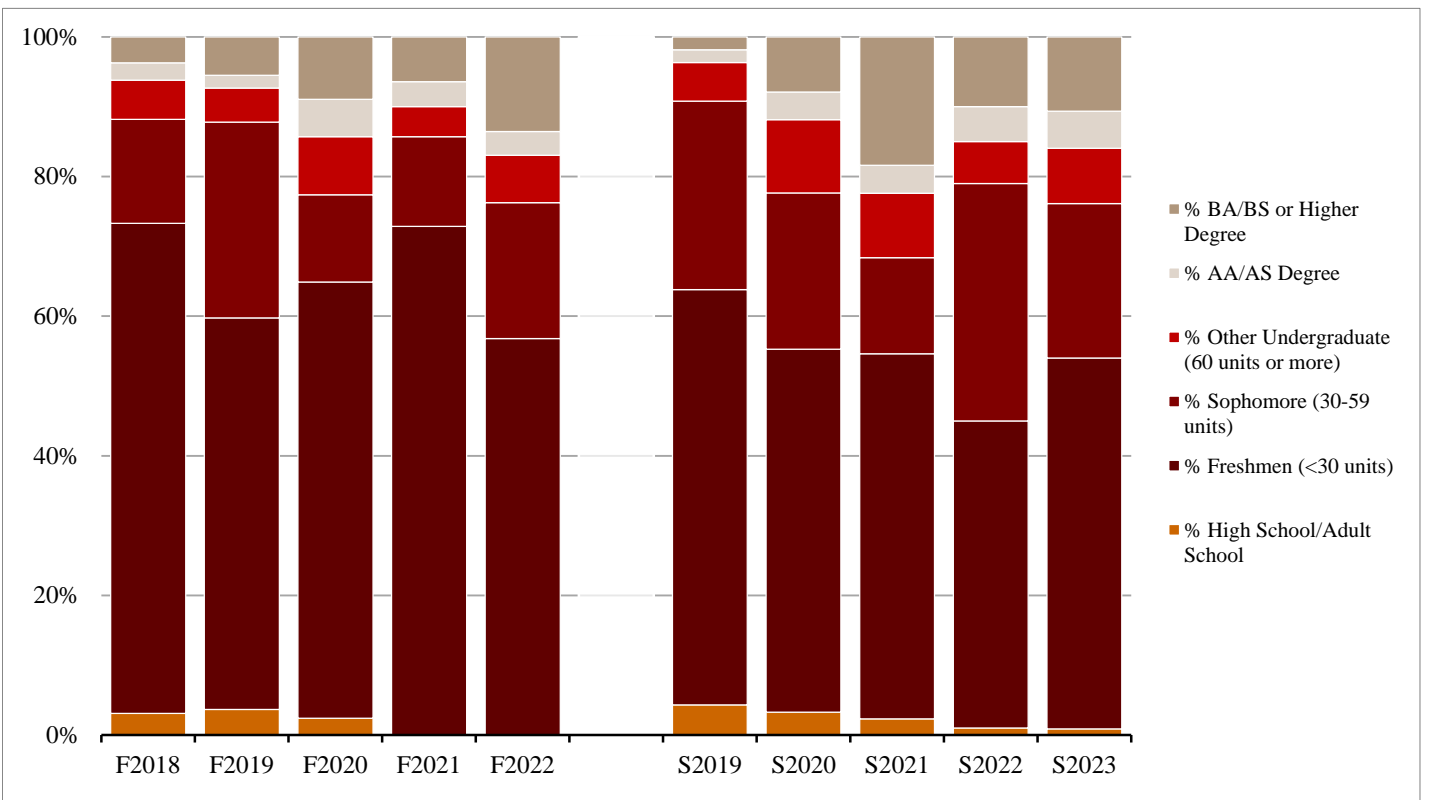| Fire Service Technology (FST)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Transfer (w/ or w/o AA/AS degree)	81	80	54	57	55	81	66	50	39	44
Associate Degree Only (AA/AS)	24	30	41	33	19	26	30	41	20	15
Occupational Certificate / Job Training	34	35	55	38	33	38	39	64	32	43
Improve English/Math Basic Skills	0	0	0	0	0	0	0	2	1	0
Personal Development (intellectual/cultural)	1	3	3	3	1	1	2	5	0	2
Other	1	0	0	0	0	0	1	0	1	0
Undecided	20	15	15	9	10	17	12	12	7	9
Unknown	0	1	0	0	0	0	2	0	0	0
% Transfer (w/ or w/o AA/AS degree)	50%	49%	32%	41%	47%	50%	43%	29%	39%	39%
% Associate Degree Only (AA/AS)	15%	18%	24%	24%	16%	16%	20%	24%	20%	13%
% Occupational Certificate / Job Training	21%	21%	33%	27%	28%	23%	26%	37%	32%	38%
% Improve English/Math Basic Skills	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%
% Personal Dev. (intellectual/cultural)	1%	2%	2%	2%	1%	1%	1%	3%	0%	2%
% Other	1%	0%	0%	0%	0%	0%	1%	0%	1%	0%
% Undecided	12%	9%	9%	6%	8%	10%	8%	7%	7%	8%
% Unknown	0%	1%	0%	0%	0%	0%	1%	0%	0%	0%
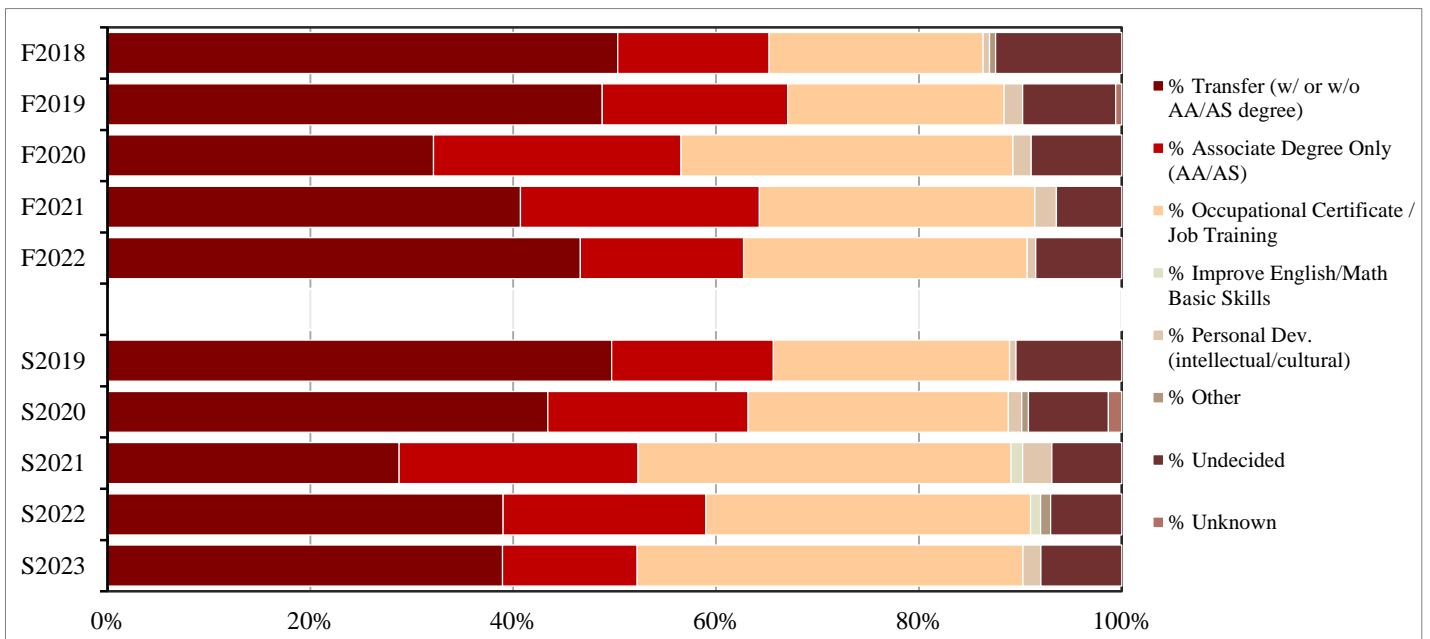
Definitions:

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

Fire Service Technology (FST)										
	Fall Terms					**Spring Terms**				
	F2018	**F2019**	**F2020**	**F2021**	**F2022**	**S2019**	**S2020**	**S2021**	**S2022**	**S2023**
High School/Adult School	5	6	4	0	0	7	5	4	1	1
Freshmen (<30 units)	113	92	105	102	67	97	79	91	44	60
Sophomore (30-59 units)	24	46	21	18	23	44	34	24	34	25
Other Undergraduate (60 units or more)	9	8	14	6	8	9	16	16	6	9
AA/AS Degree	4	3	9	5	4	3	6	7	5	6
BA/BS or Higher Degree	6	9	15	9	16	3	12	32	10	12
% High School/Adult School	3%	4%	2%	0%	0%	4%	3%	2%	1%	1%
% Freshmen (<30 units)	70%	56%	63%	73%	57%	60%	52%	52%	44%	53%
% Sophomore (30-59 units)	15%	28%	13%	13%	19%	27%	22%	14%	34%	22%
% Other Undergraduate (60 units or more)	6%	5%	8%	4%	7%	6%	11%	9%	6%	8%
% AA/AS Degree	2%	2%	5%	4%	3%	2%	4%	4%	5%	5%
% BA/BS or Higher Degree	4%	5%	9%	6%	14%	2%	8%	18%	10%	11%

Student Performance: Grade Distribution

| Fire Service Technology (FST)										
	Fall Terms					Spring Terms				
	F2018	F2019	F2020	F2021	F2022	S2019	S2020	S2021	S2022	S2023
Total Course Enrollments	316	331	316	262	218	265	266	308	193	180
Course Success Rates	**79%**	**80%**	**76%**	**70%**	**78%**	**79%**	**69%**	**72%**	**95%**	**85%**
A	31%	28%	46%	38%	47%	46%	39%	48%	77%	54%
B	30%	35%	22%	23%	25%	23%	22%	18%	14%	25%
C	10%	17%	8%	9%	6%	10%	6%	6%	5%	6%
P	9%	0%	1%	0%	0%	0%	2%	<1%	0%	0%
Course Non-Success Rate	**10%**	**12%**	**9%**	**12%**	**17%**	**9%**	**6%**	**9%**	**2%**	**9%**
D	3%	3%	1%	2%	3%	3%	1%	1%	0%	1%
F*	8%	9%	9%	11%	13%	6%	5%	9%	2%	8%
Withdrawals (See Note)	**10%**	**8%**	**14%**	**18%**	**5%**	**12%**	**25%**	**19%**	**3%**	**6%**
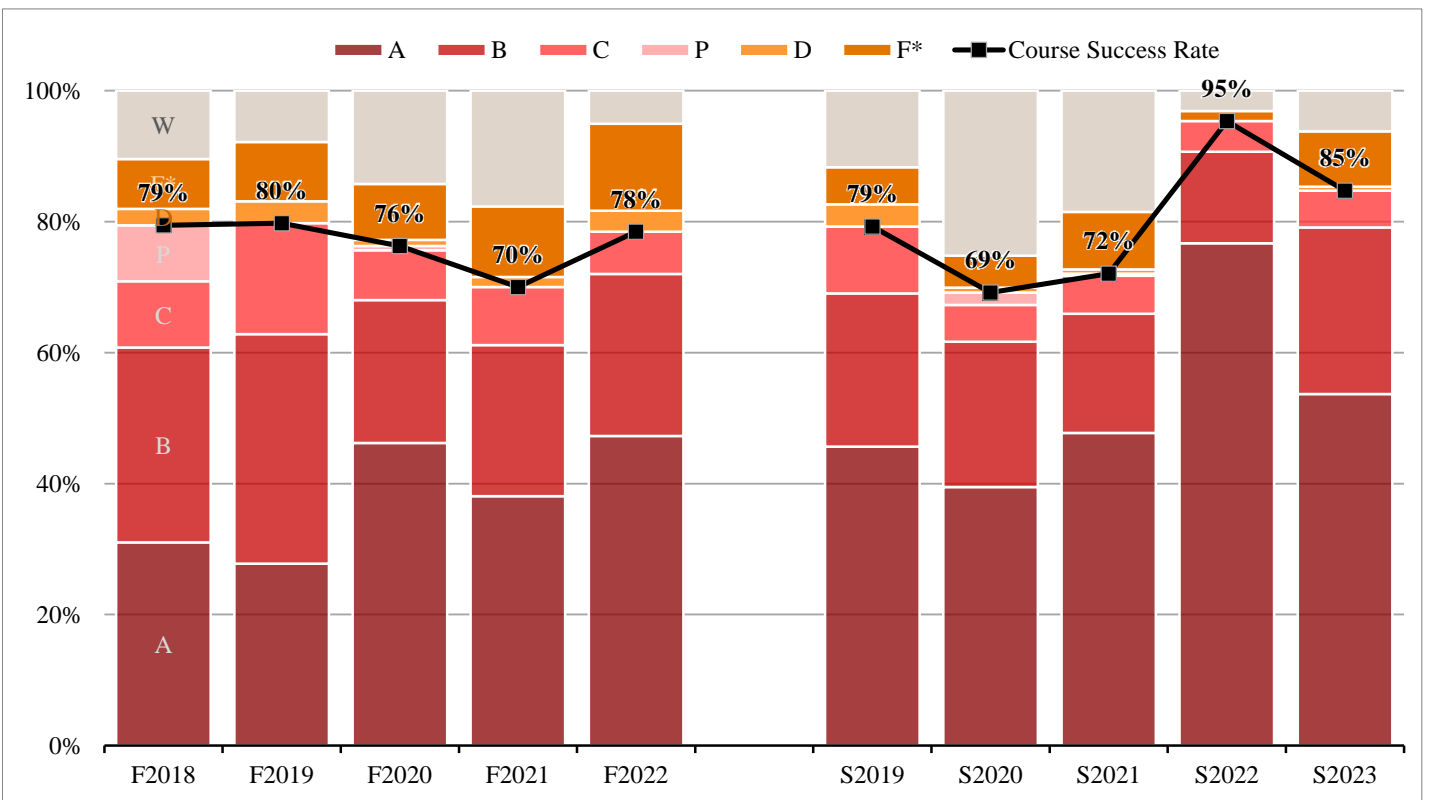
Definitions:

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

Fire Service Technology (FST)										
	Fall Terms					**Spring Terms**				
	F2018	**F2019**	**F2020**	**F2021**	**F2022**	**S2019**	**S2020**	**S2021**	**S2022**	**S2023**
Total Course Enrollments	316	331	316	262	218	265	266	308	193	180
Face-to-Face (F2F) Sections	316	331	0	31	150	265	266	116	193	180
Success Rates	79%	80%	—	79%	82%	79%	69%	84%	95%	85%
Non-Success Rates	10%	12%	—	7%	13%	9%	6%	2%	2%	9%
Withdrawals	10%	8%	—	14%	5%	12%	25%	14%	3%	6%
Distance Education (DE) Sections	0	0	316	231	68	0	0	192	0	0
Success Rates	—	—	76%	69%	71%	—	—	65%	—	—
Non-Success Rates	—	—	9%	13%	25%	—	—	14%	—	—
Withdrawals	—	—	14%	18%	4%	—	—	21%	—	—
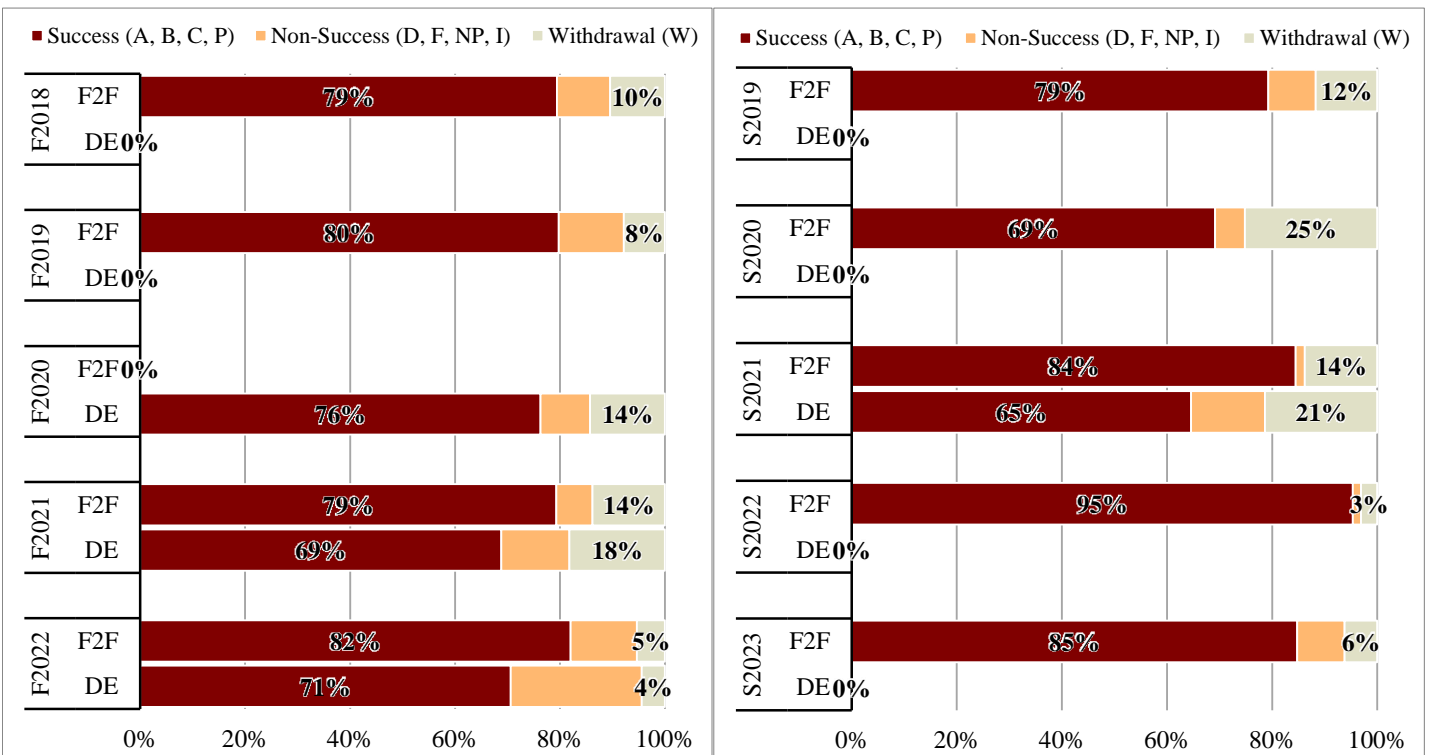
Definitions:

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 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

Fire Service Technology (FST)										
	Fall Terms					**Spring Terms**				
	F2018	**F2019**	**F2020**	**F2021**	**F2022**	**S2019**	**S2020**	**S2021**	**S2022**	**S2023**
WSCH	1,078	993	948	786	664	1,729	1,638	1,171	1,111	1,353
FTES	35.9	32.9	31.0	25.7	21.3	57.6	54.4	37.8	36.4	44.6
FTEF	1.6	1.5	1.6	1.6	2.0	1.9	1.4	1.7	1.4	2.2
Productivity (WSCH/FTEF)	656.5	662.0	611.6	507.1	340.5	917.7	1,213.3	682.0	823.0	610.6
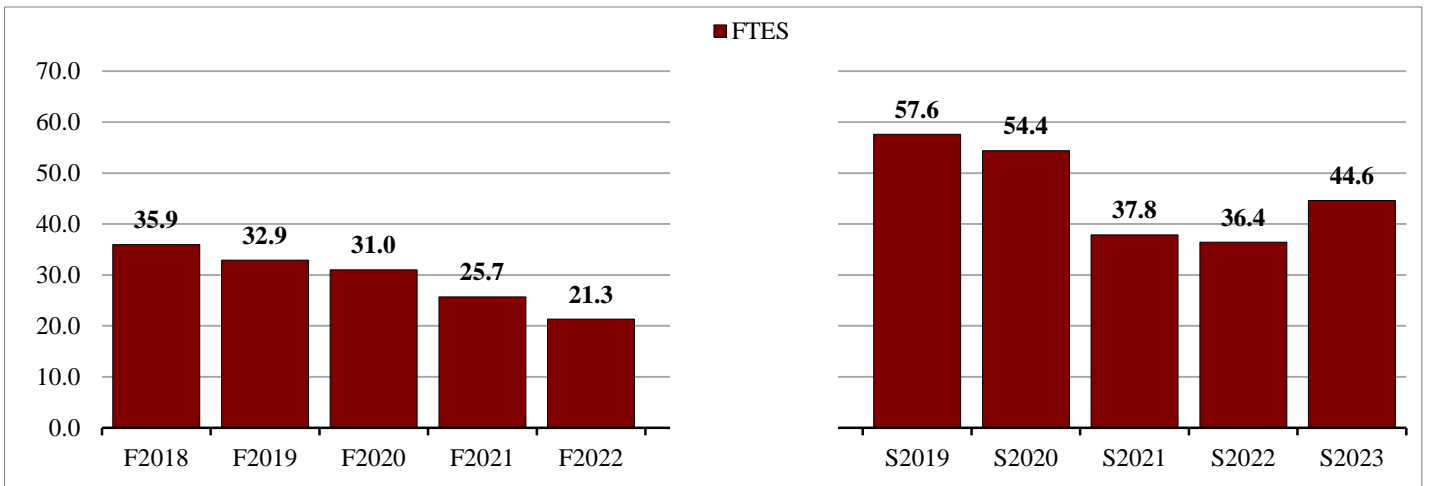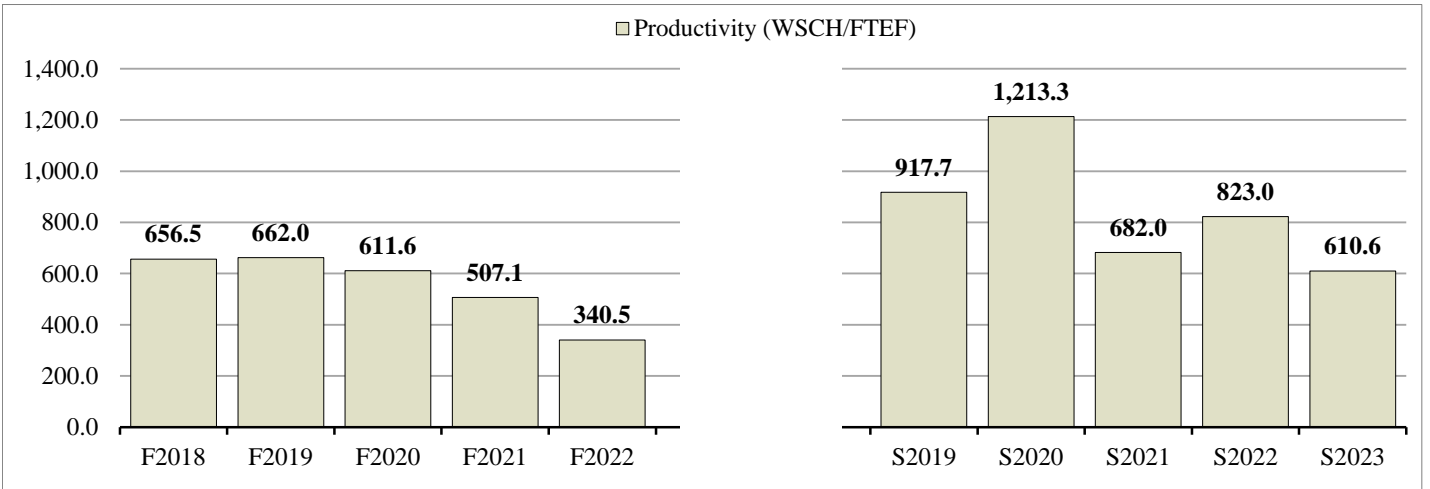
Definitions:

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

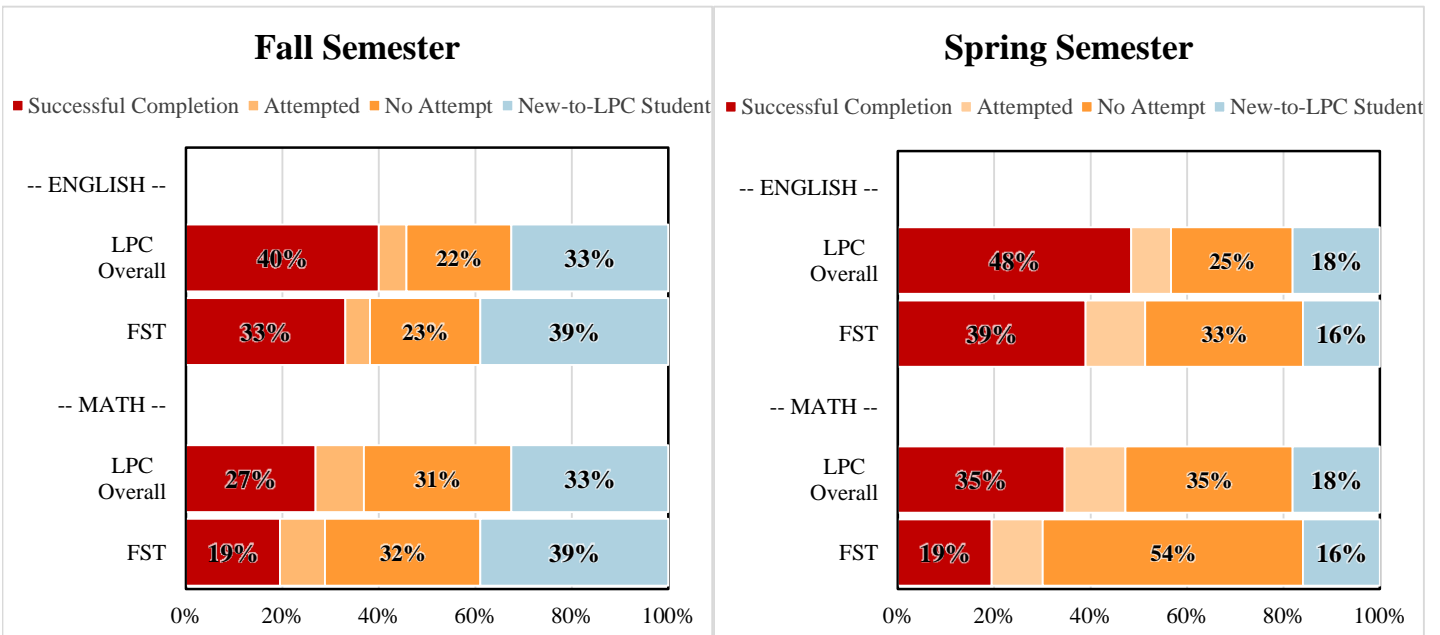| Fire Service Technology (FST)										
	Fall Terms					**Spring Terms**				
	F2018	**F2019**	**F2020**	**F2021**	**F2022**	**S2019**	**S2020**	**S2021**	**S2022**	**S2023**
FTEF from Full-Time Faculty	1.0	0.8	1.0	0.0	1.6	1.2	0.6	0.6	0.8	1.5
% FTEF from Full-Time Faculty	60%	53%	65%	0%	82%	63%	44%	35%	59%	66%
Enrollments	316	331	316	262	218	265	266	308	193	180
Capacity (seats available)	324	324	338	338	426	383	324	438	338	338
Fill Rate	98%	102%	93%	78%	51%	69%	82%	70%	57%	53%
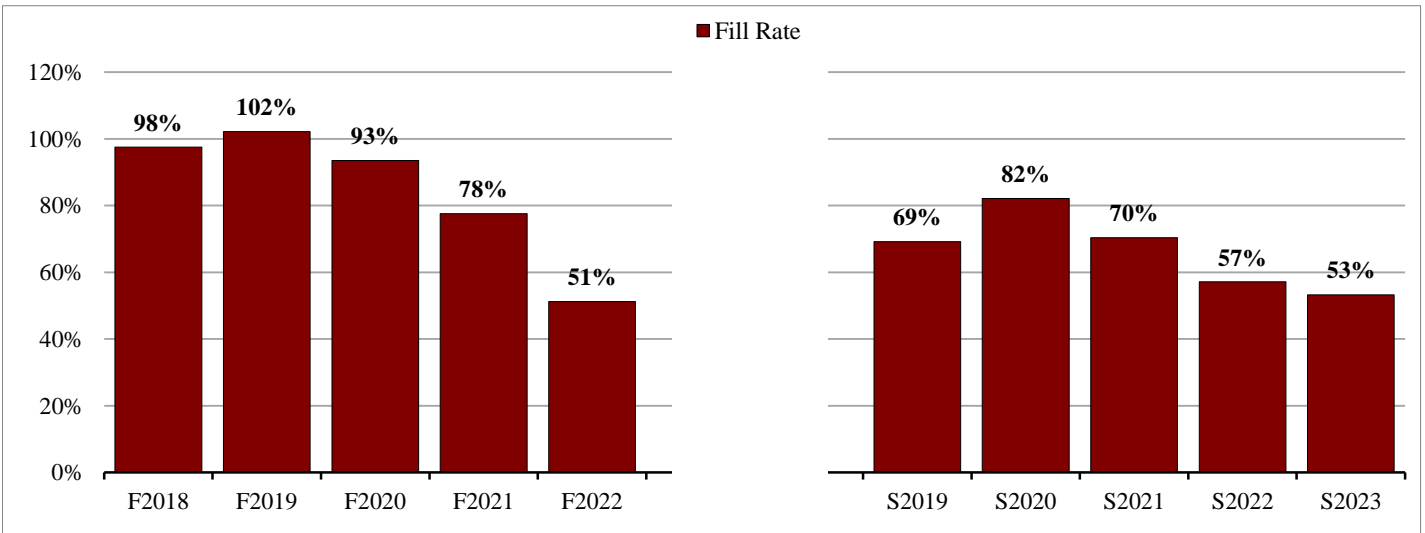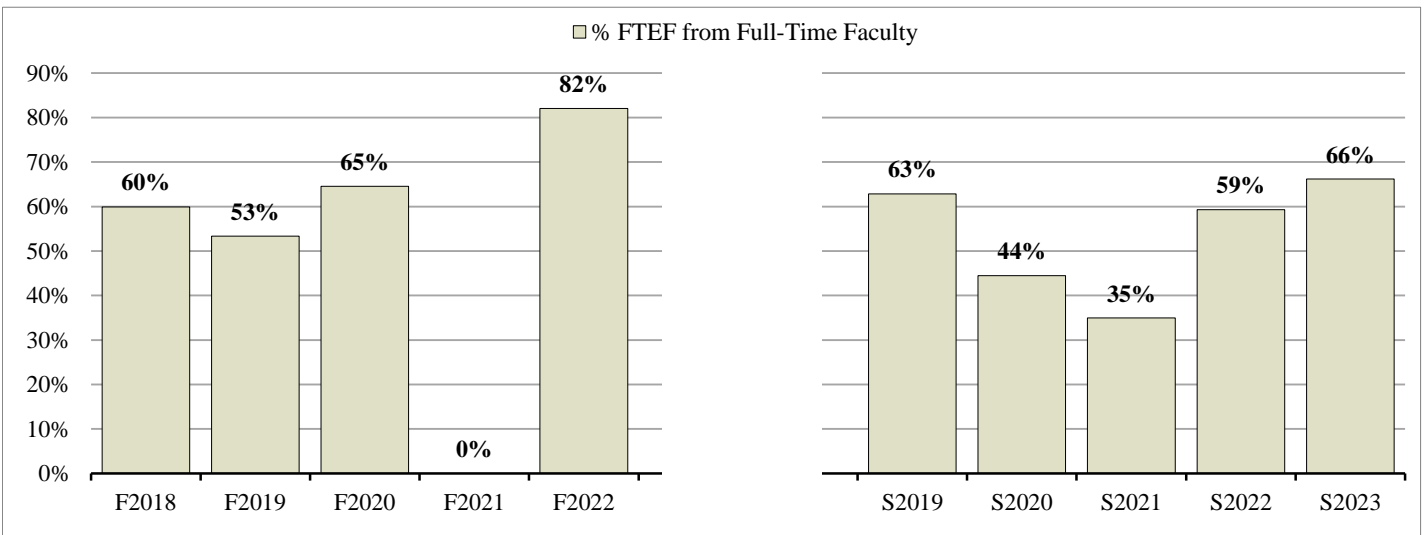
Definitions:

   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 2022				Spring 2023			
	FST		LPC Overall		FST		LPC Overall	
	Num	Pct	Num	Pct	Num	Pct	Num	Pct
Transfer-level English								
Successful Completion*	39	33%	2,729	40%	44	39%	3,203	48%
Attempted *(not successful)*	6	5%	391	6%	14	12%	546	8%
No Attempt	27	23%	1,484	22%	37	33%	1,672	25%
New-to-LPC Student	46	39%	2,221	33%	18	16%	1,197	18%
Transfer-level Math								
Successful Completion*	23	19%	1,835	27%	22	19%	2,288	35%
Attempted *(not successful)*	11	9%	683	10%	12	11%	837	13%
No Attempt	38	32%	2,086	31%	61	54%	2,296	35%
New-to-LPC Student	46	39%	2,221	33%	18	16%	1,197	18%

Fall Semester

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

-- ENGLISH --
LPC Overall: 40% | 22% | 33%
FST: 33% | 23% | 39%

-- MATH --
LPC Overall: 27% | 31% | 33%
FST: 19% | 32% | 39%

Spring Semester

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

-- ENGLISH --
LPC Overall: 48% | 25% | 18%
FST: 39% | 33% | 16%

-- MATH --
LPC Overall: 35% | 35% | 18%
FST: 19% | 54% | 16%

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