



Las Positas College

**Discipline Program Review Data Packet**

Spring 2017 to Spring 2021

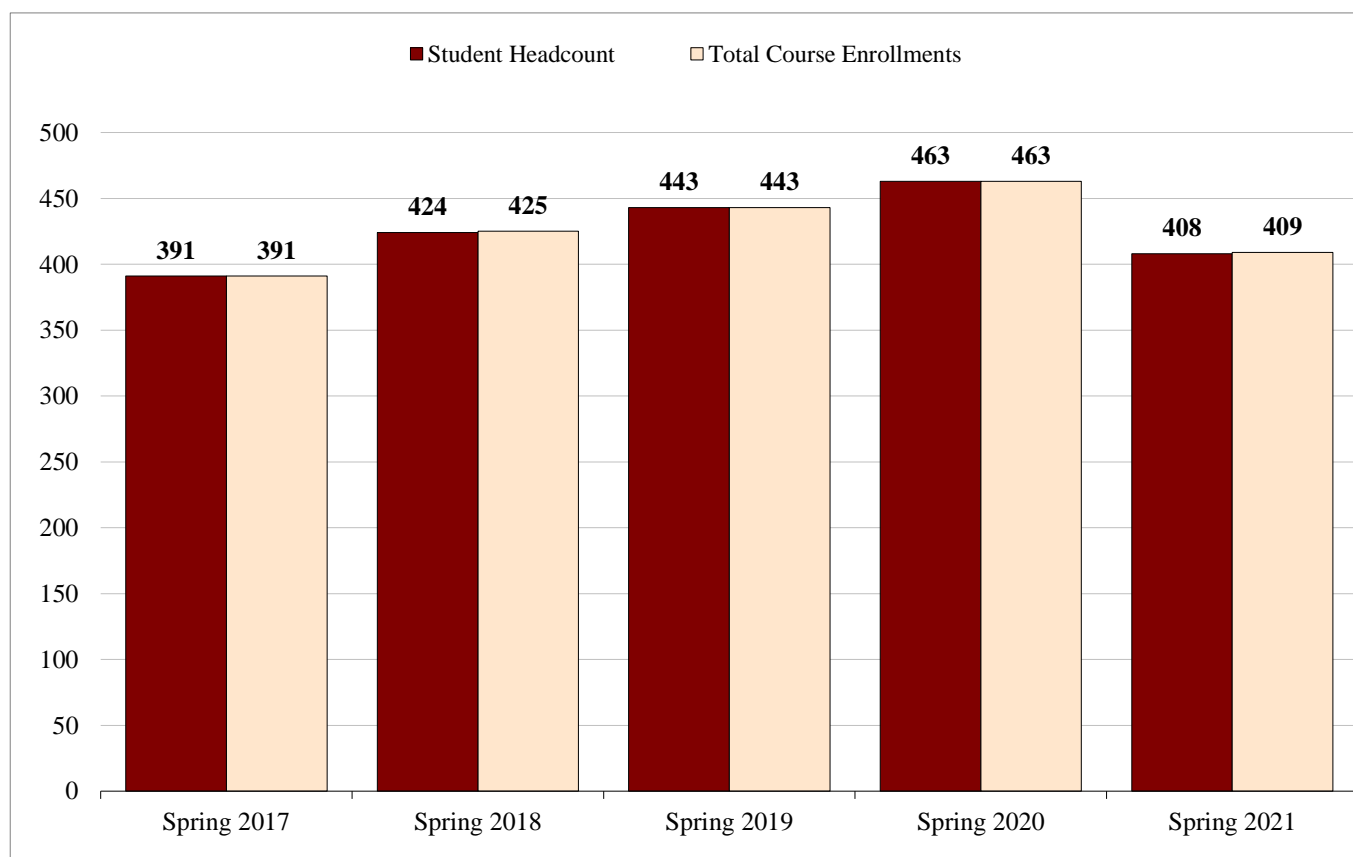
Discipline:

**Chemistry (CHEM)**

<b><u>TABLE OF CONTENTS</u></b>	<b><u>PAGE</u></b>
Headcount & Enrollment .....	1
Student Demographics: Gender & Age .....	2
Student Demographics: Race-Ethnicity .....	3
Student Enrollment Status .....	4
Student Unit Load .....	5
Students Using Distance Education .....	6
Student Educational Goal .....	7
Highest Educational Level of Students .....	8
Student Performance: Grade Distribution .....	9
Student Performance: Distance Education .....	10
Enrollment Management Data .....	11-12
Prior Experience in English & Math .....	13

## Headcount & Enrollment

Chemistry ( CHEM )					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Student Headcount	391	424	443	463	408
Total Course Enrollments	391	425	443	463	409



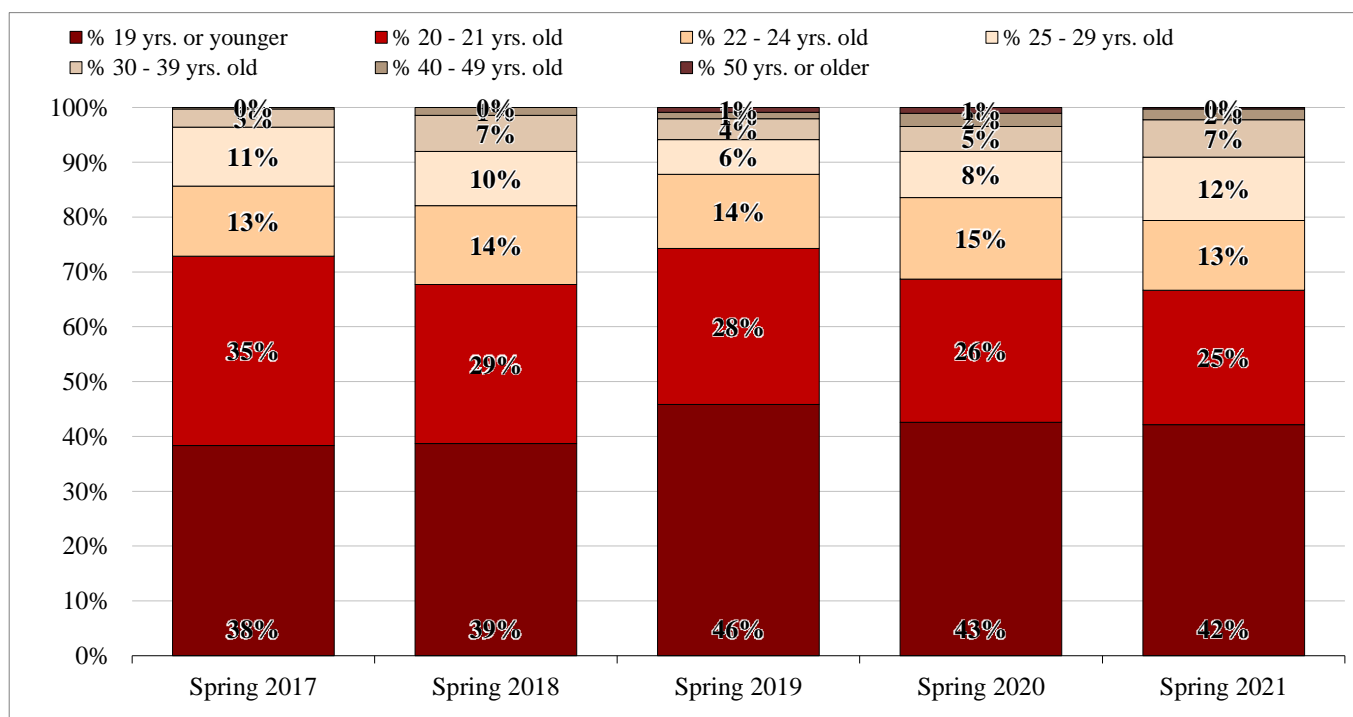
### Definitions:

**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.

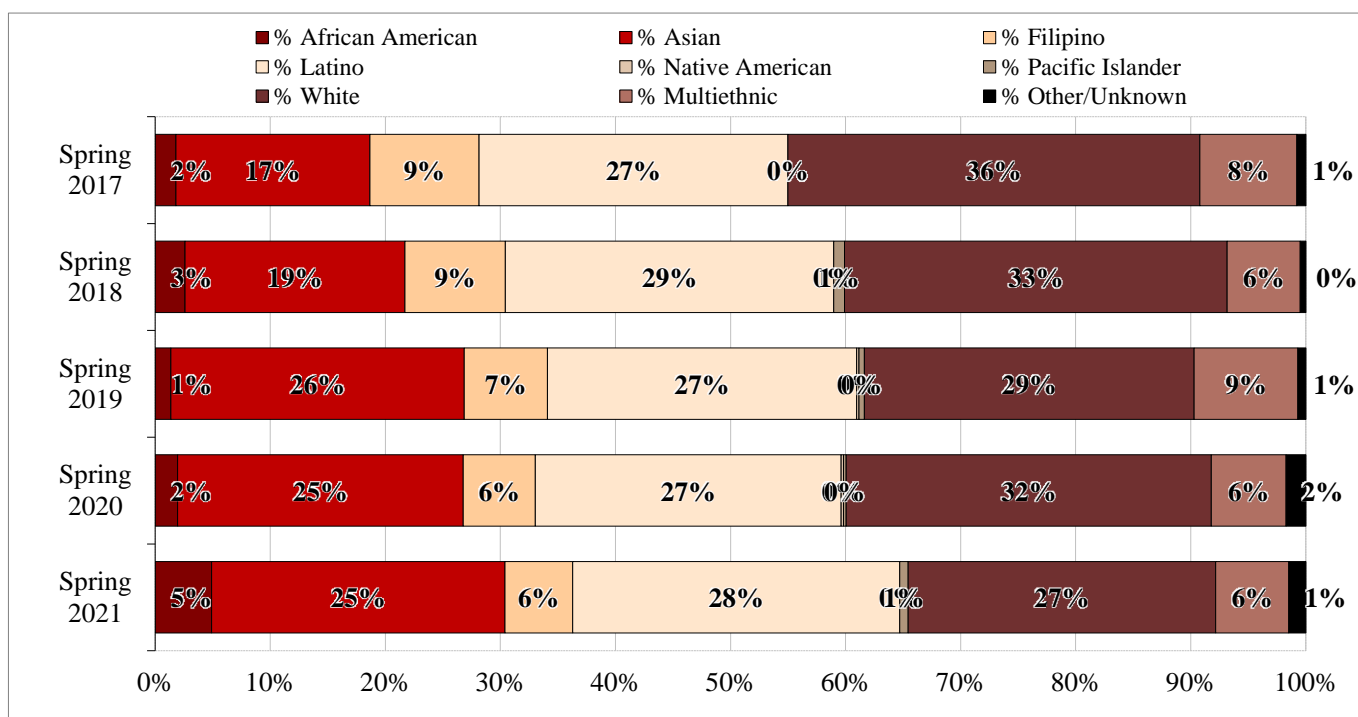
## Student Demographics: Gender & Age

Chemistry ( CHEM )					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Female	216	225	242	262	253
Male	171	194	191	194	151
19 yrs. or younger	150	164	203	197	172
20-21 yrs. old	135	123	126	121	100
22-24 yrs. old	50	61	60	69	52
25-29 yrs. old	42	42	28	39	47
30-39 yrs. old	13	28	17	21	28
40-49 yrs. old	1	6	5	11	8
50 yrs. or older	0	0	4	5	1
% Female	56%	54%	56%	57%	63%
% Male	44%	46%	44%	43%	37%
% 19 yrs. or younger	38%	39%	46%	43%	42%
% 20 - 21 yrs. old	35%	29%	28%	26%	25%
% 22 - 24 yrs. old	13%	14%	14%	15%	13%
% 25 - 29 yrs. old	11%	10%	6%	8%	12%
% 30 - 39 yrs. old	3%	7%	4%	5%	7%
% 40 - 49 yrs. old	<1%	1%	1%	2%	2%
% 50 yrs. or older	0%	0%	1%	1%	<1%



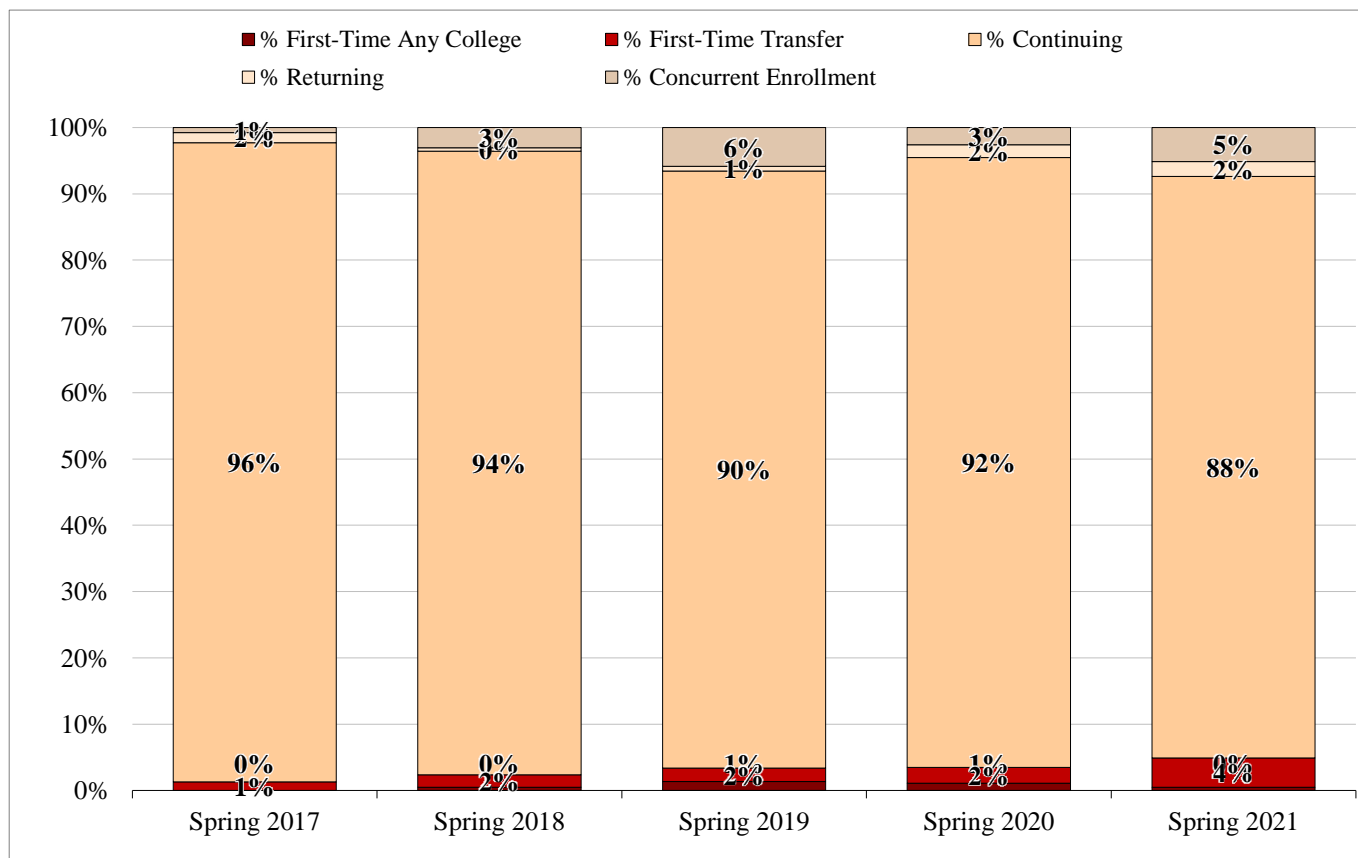
## Student Demographic: Race-Ethnicity

Chemistry ( CHEM )					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
African American	7	11	6	9	20
Asian	66	81	113	115	104
Filipino	37	37	32	29	24
Latino	105	121	119	123	116
Native American	0	0	1	1	0
Pacific Islander	0	4	2	1	3
White	140	141	127	147	109
Multiethnic	33	27	40	30	26
Other/Unknown	3	2	3	8	6
% African American	2%	3%	1%	2%	5%
% Asian	17%	19%	26%	25%	25%
% Filipino	9%	9%	7%	6%	6%
% Latino	27%	29%	27%	27%	28%
% Native American	0%	0%	<1%	<1%	0%
% Pacific Islander	0%	1%	<1%	<1%	1%
% White	36%	33%	29%	32%	27%
% Multiethnic	8%	6%	9%	6%	6%
% Other/Unknown	1%	<1%	1%	2%	1%



## Student Enrollment Status

Chemistry ( CHEM )					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
First-Time Any College	0	2	6	5	2
First-Time Transfer	5	8	9	11	18
Continuing	377	399	399	426	358
Returning	6	2	3	9	9
Concurrent Enrollment	3	13	26	12	21
% First-Time Any College	0%	<1%	1%	1%	0%
% First-Time Transfer	1%	2%	2%	2%	4%
% Continuing	96%	94%	90%	92%	88%
% Returning	2%	<1%	1%	2%	2%
% Concurrent Enrollment	1%	3%	6%	3%	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.

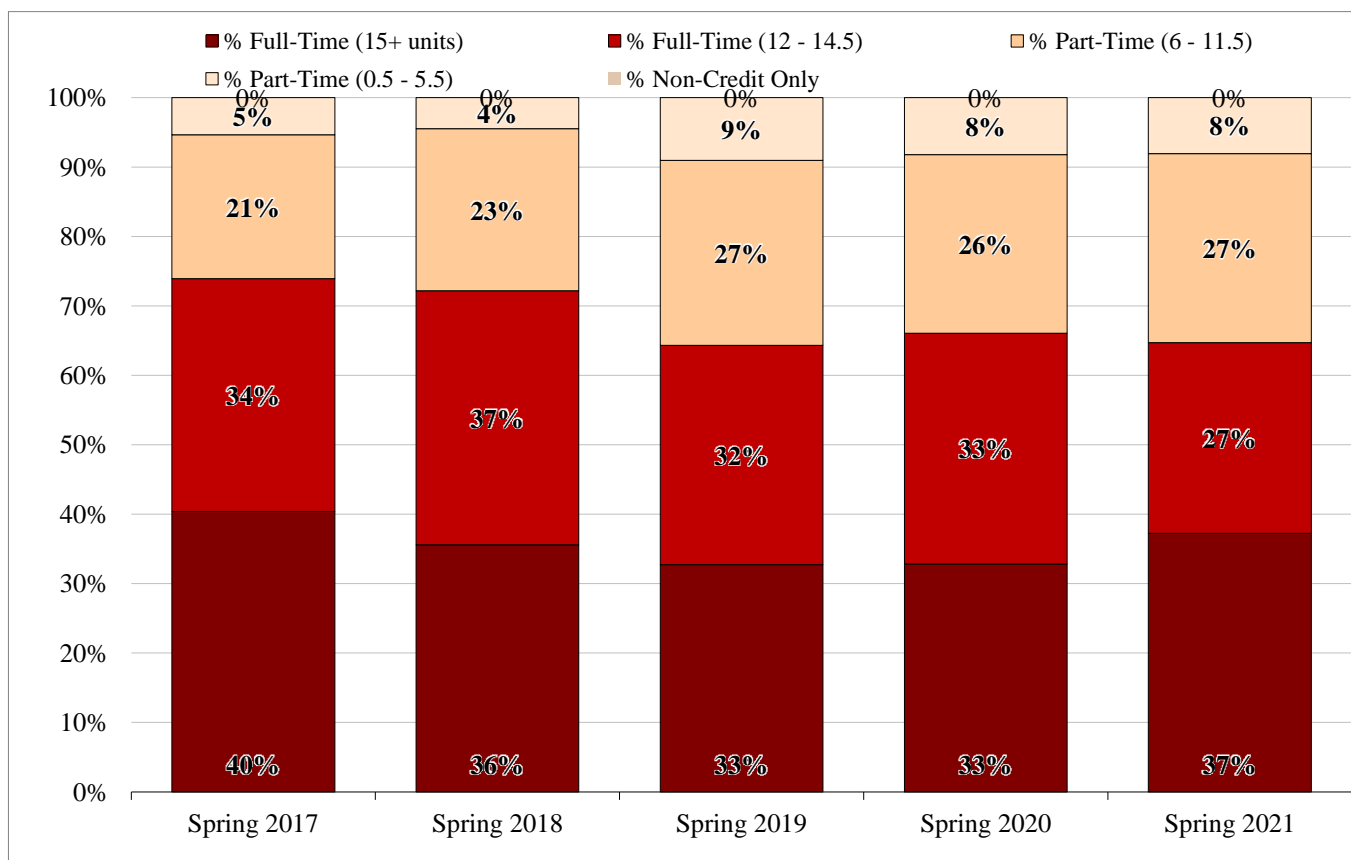
**Continuing:** Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

**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.

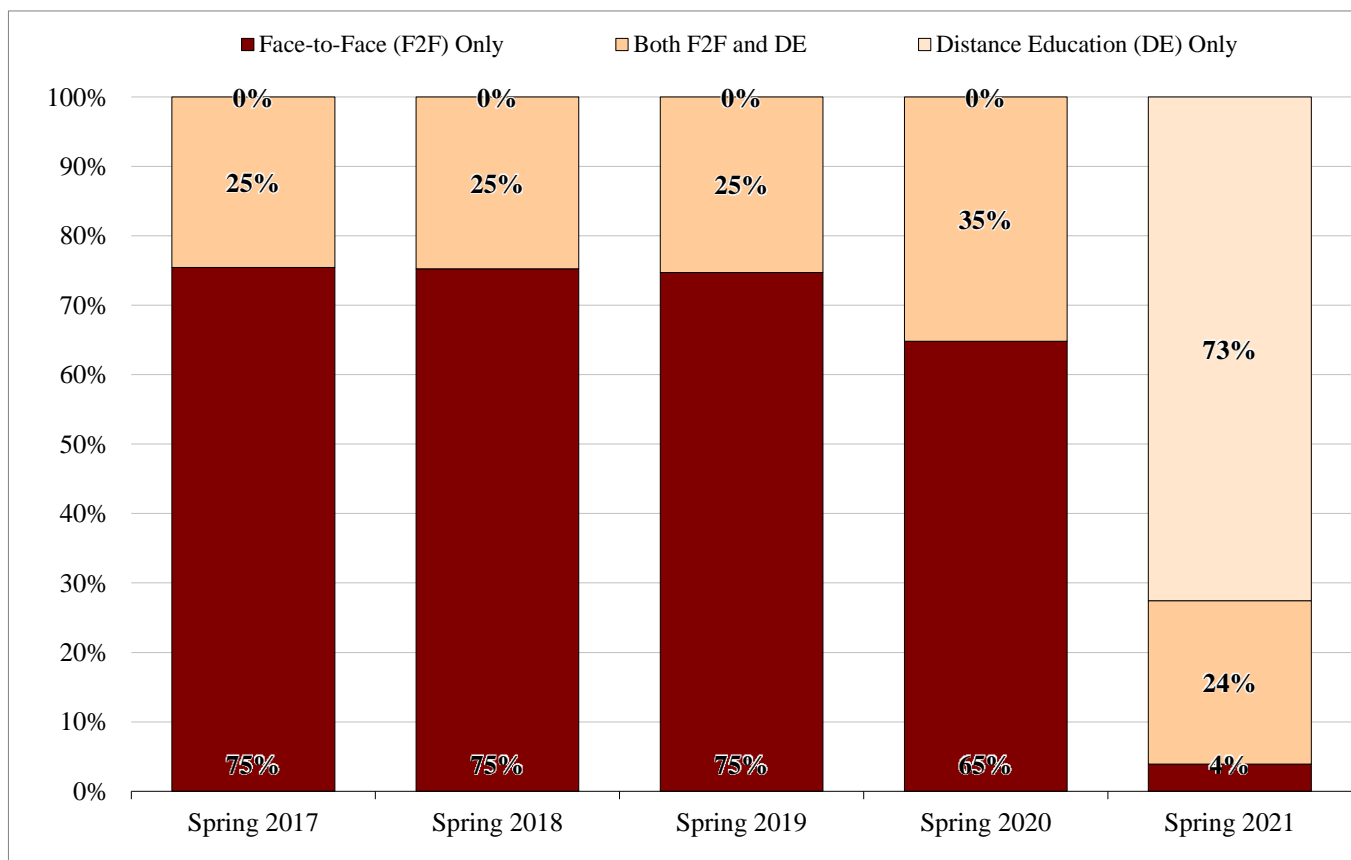
## Student Unit Load

Chemistry ( CHEM )					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Full-Time (15+ units)	158	151	145	152	152
Full-Time (12 - 14.5)	131	155	140	154	112
Part-Time (6 - 11.5)	81	99	118	119	111
Part-Time (0.5 - 5.5)	21	19	40	38	33
Non-Credit Only	0	0	0	0	0
% Full-Time (15+ units)	40%	36%	33%	33%	37%
% Full-Time (12 - 14.5)	34%	37%	32%	33%	27%
% Part-Time (6 - 11.5)	21%	23%	27%	26%	27%
% Part-Time (0.5 - 5.5)	5%	4%	9%	8%	8%
% Non-Credit Only	0%	0%	0%	0%	0%



## Students Using Distance Education

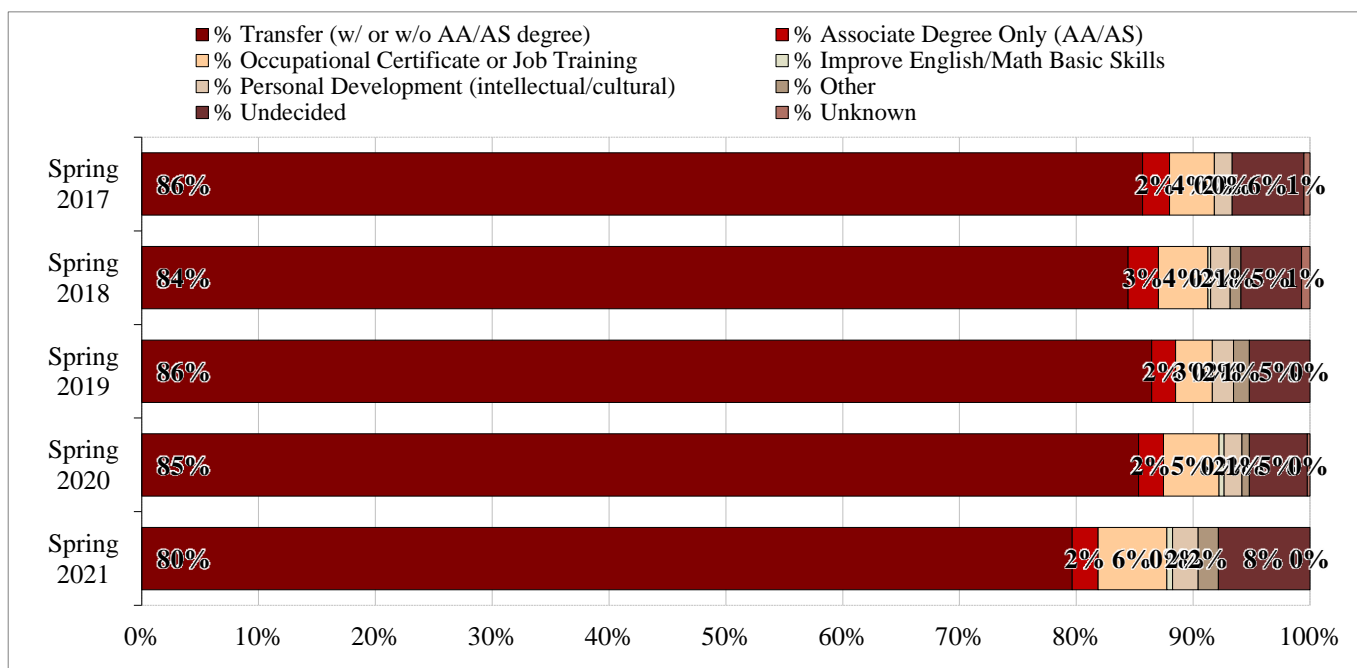
Chemistry ( CHEM )					
(Categories reflect college-wide coursework)	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Face-to-Face (F2F) Only	295	319	331	300	16
Both F2F and DE	96	105	112	163	96
Distance Education (DE) Only	0	0	0	0	296
% Face-to-Face (F2F) Only	75%	75%	75%	65%	4%
% Both F2F and DE	25%	25%	25%	35%	24%
% Distance Education (DE) Only	0%	0%	0%	0%	73%



**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

Chemistry ( CHEM )					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Transfer (w/ or w/o AA/AS degree)	335	358	383	395	325
Associate Degree Only (AA/AS)	9	11	9	10	9
Occupational Certificate or Job Training	15	18	14	22	24
Improve English/Math Basic Skills	0	1	0	2	2
Personal Development (intellectual/cultural)	6	7	8	7	9
Other	0	4	6	3	7
Undecided	24	22	23	23	32
Unknown	2	3	0	1	0
% Transfer (w/ or w/o AA/AS degree)	86%	84%	86%	85%	80%
% Associate Degree Only (AA/AS)	2%	3%	2%	2%	2%
% Occupational Certificate or Job Training	4%	4%	3%	5%	6%
% Improve English/Math Basic Skills	0%	<1%	0%	<1%	0%
% Personal Development (intellectual/cultural)	2%	2%	2%	2%	2%
% Other	0%	1%	1%	1%	2%
% Undecided	6%	5%	5%	5%	8%
% Unknown	1%	1%	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.

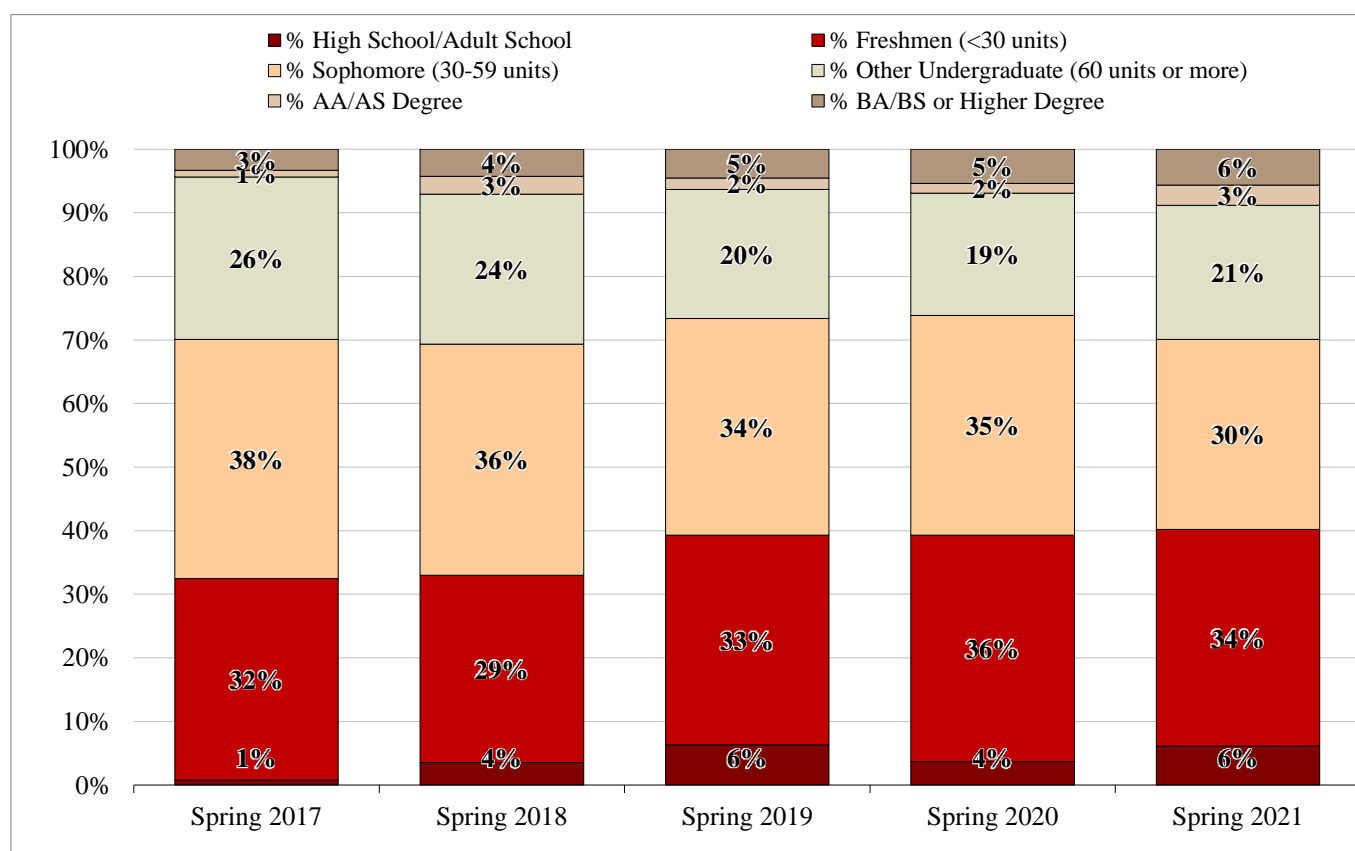
**Personal Development:** Students taking courses for intellectual and/or cultural development.

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



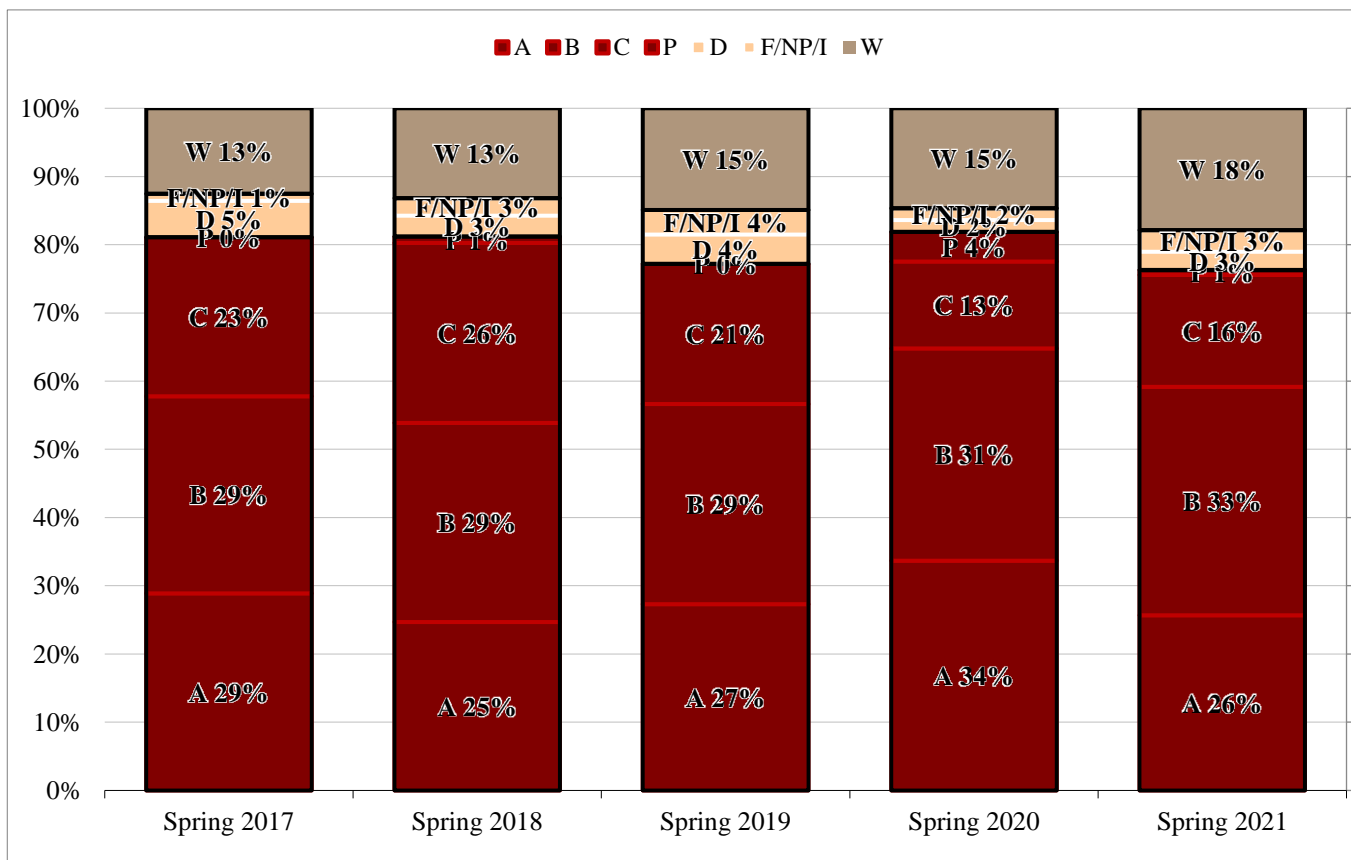
## Highest Educational Level of Students

Chemistry ( CHEM )					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
High School/Adult School	3	15	28	17	25
Freshmen (<30 units)	124	125	146	165	139
Sophomore (30-59 units)	147	154	151	160	122
Other Undergraduate (60 units or more)	100	100	90	89	86
AA/AS Degree	4	12	8	7	13
BA/BS or Higher Degree	13	18	20	25	23
% High School/Adult School	1%	4%	6%	4%	6%
% Freshmen (<30 units)	32%	29%	33%	36%	34%
% Sophomore (30-59 units)	38%	36%	34%	35%	30%
% Other Undergraduate (60 units or more)	26%	24%	20%	19%	21%
% AA/AS Degree	1%	3%	2%	2%	3%
% BA/BS or Higher Degree	3%	4%	5%	5%	6%



## Student Performance: Grade Distribution

Chemistry ( CHEM )					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
<b>Total Course Enrollments</b>	<b>391</b>	<b>425</b>	<b>443</b>	<b>463</b>	<b>409</b>
<b>Course Success Rates</b>	<b>81%</b>	<b>81%</b>	<b>77%</b>	<b>82%</b>	<b>76%</b>
A	29%	25%	27%	34%	26%
B	29%	29%	29%	31%	33%
C	23%	26%	21%	13%	16%
P	0%	1%	0%	4%	1%
<b>Course Non-Success Rate</b>	<b>6%</b>	<b>6%</b>	<b>8%</b>	<b>3%</b>	<b>6%</b>
D	5%	3%	4%	2%	3%
F*	1%	3%	4%	2%	3%
<b>Withdrawals (See Note)</b>	<b>13%</b>	<b>13%</b>	<b>15%</b>	<b>15%</b>	<b>18%</b>



### Definitions:

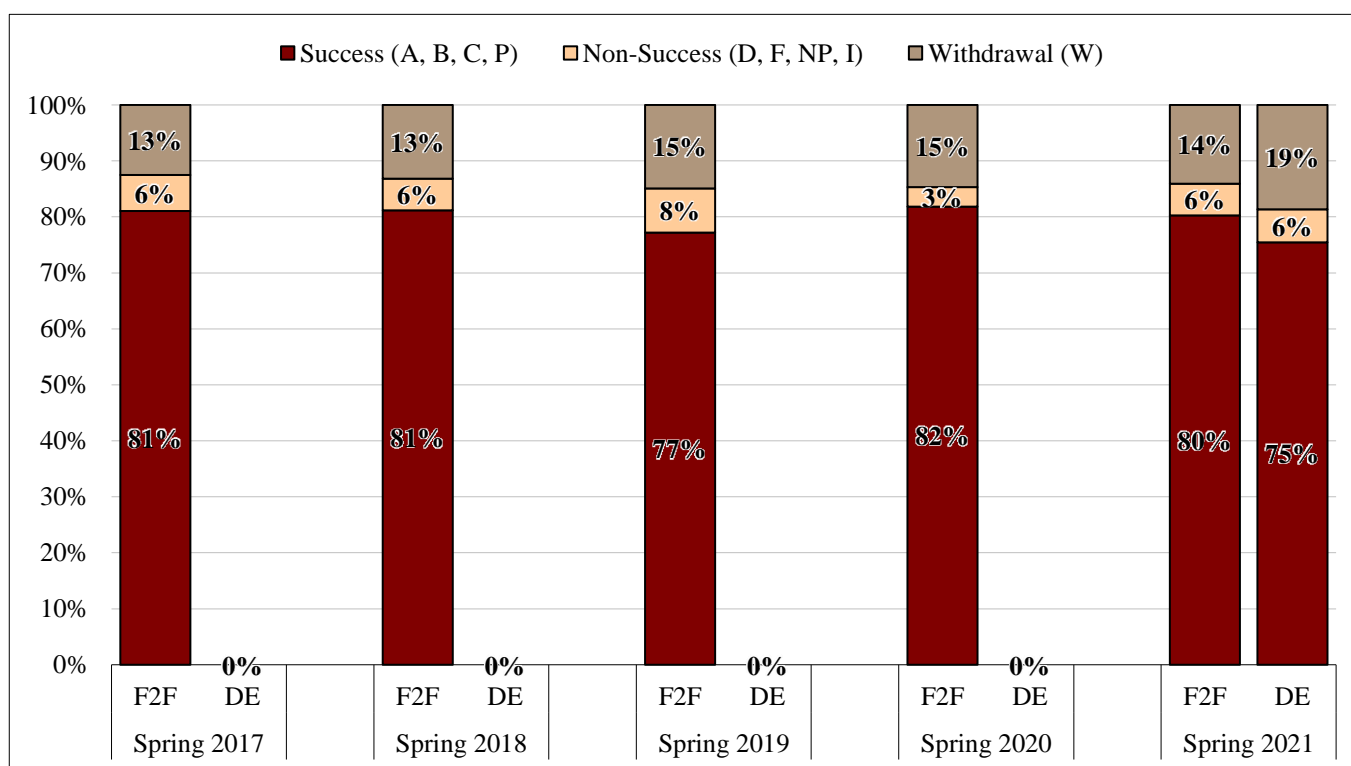
**Course Success Rate:** Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

**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

Chemistry ( CHEM )					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
<b>Total Course Enrollments</b>	<b>391</b>	<b>425</b>	<b>443</b>	<b>463</b>	<b>409</b>
<b>Face-to-Face (F2F) Sections</b>	<b>391</b>	<b>425</b>	<b>443</b>	<b>463</b>	<b>71</b>
Success Rates	81%	81%	77%	82%	80%
Non-Success Rates	6%	6%	8%	3%	6%
Withdrawals	13%	13%	15%	15%	14%
<b>Distance Education (DE) Sections</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>338</b>
Success Rates	—	—	—	—	75%
Non-Success Rates	—	—	—	—	6%
Withdrawals	—	—	—	—	19%



### Definitions:

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

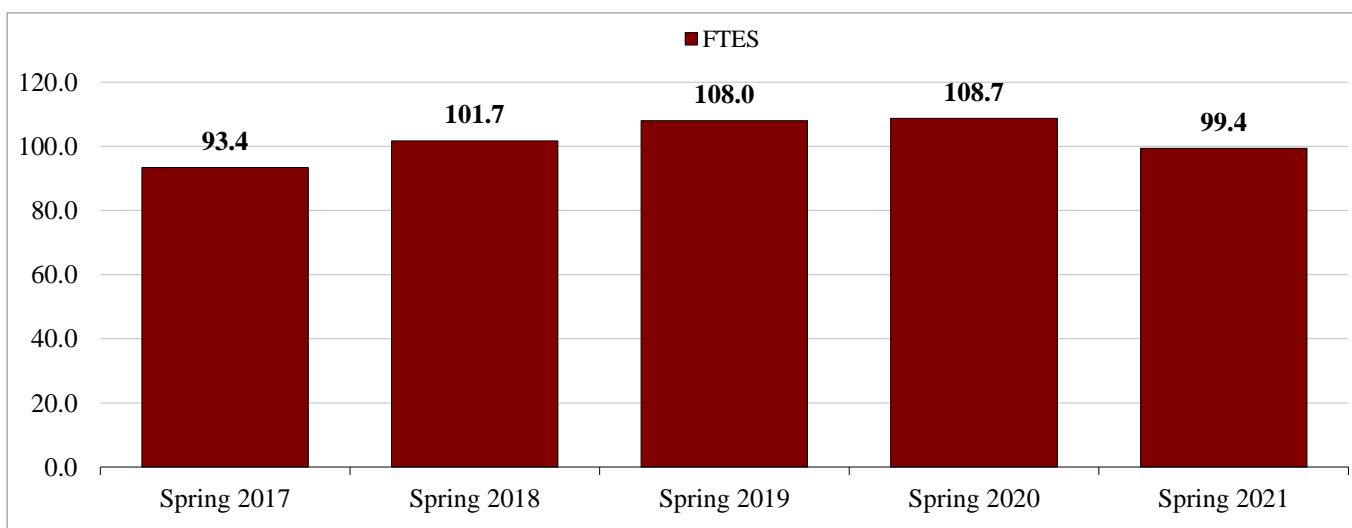
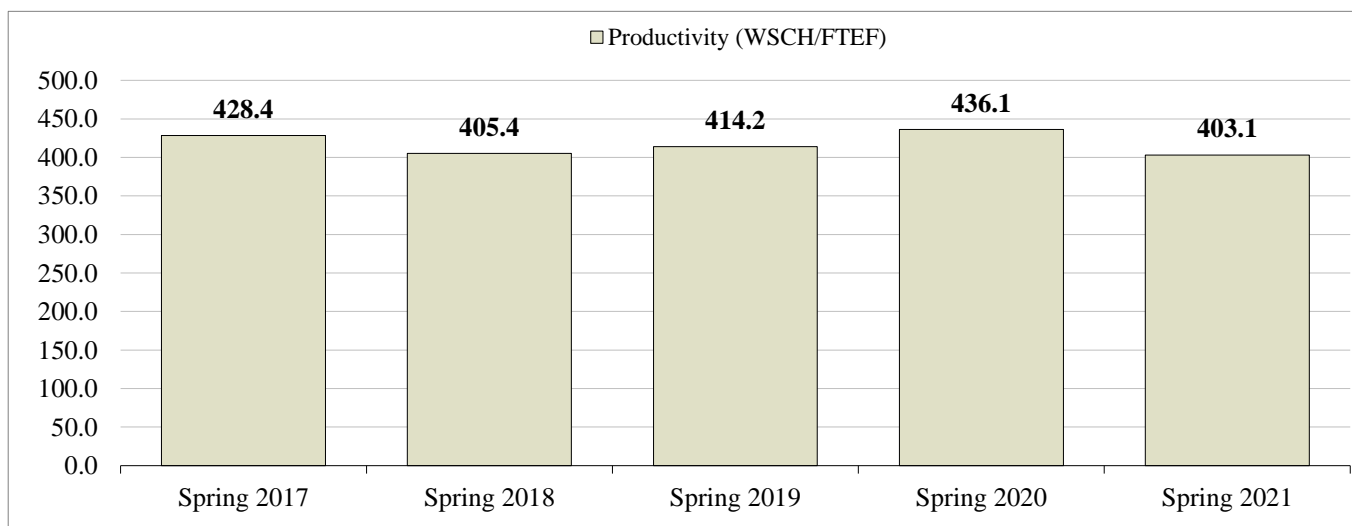
**Course Non-Success Rate:** Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'I', 'NCD', 'NCF', or 'NCNP'.

**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**

Chemistry ( CHEM )					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
WSCH	2,913	3,132	3,272	3,369	3,033
FTES	93.4	101.7	108.0	108.7	99.4
FTEF	6.8	7.7	7.9	7.7	7.5
Productivity (WSCH/FTEF)	428.4	405.4	414.2	436.1	403.1

**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.

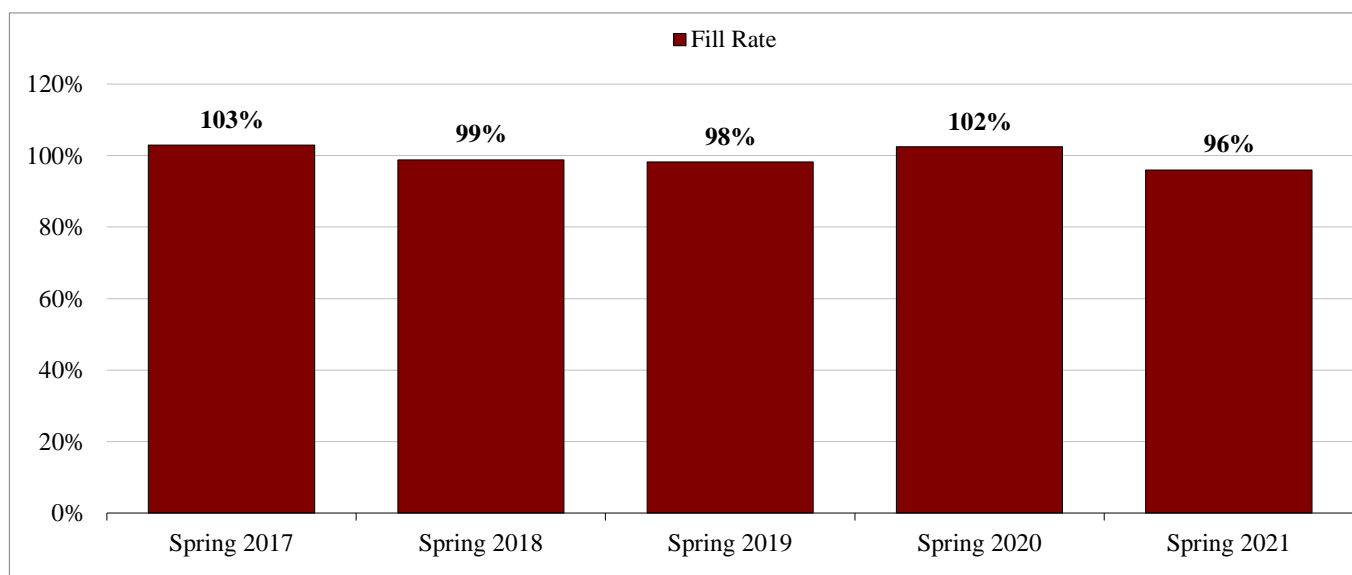
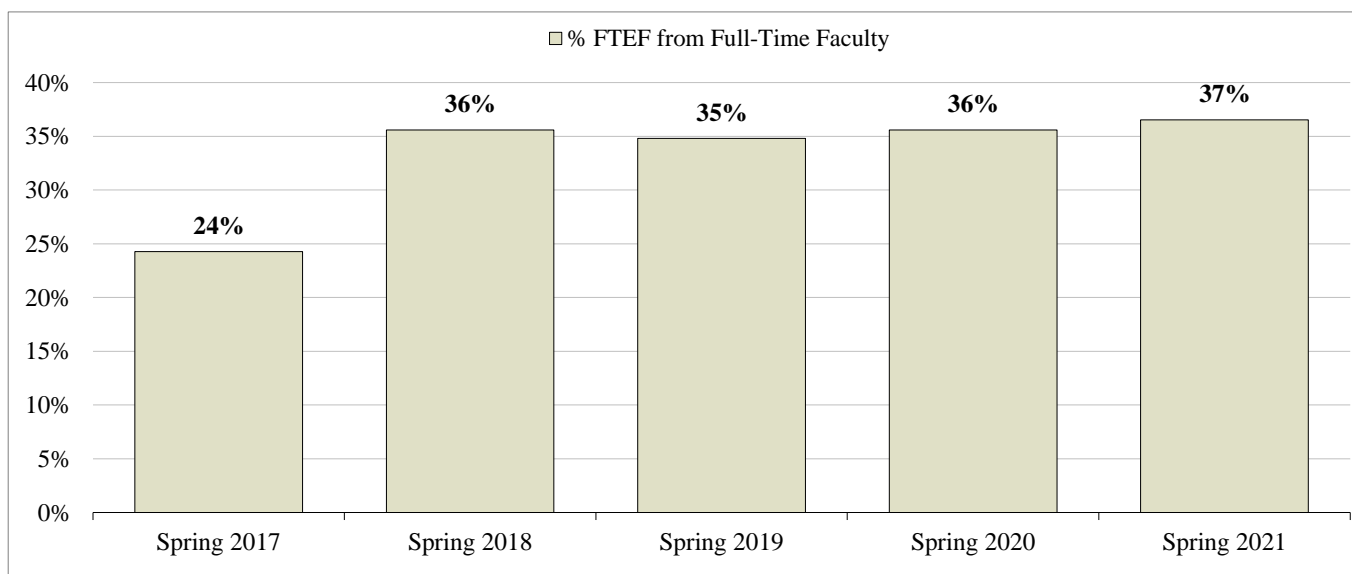
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

**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 7/20/21.

## Enrollment Management: Part 2

Chemistry ( CHEM )					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
FTEF from Full-Time Faculty	1.7	2.8	2.8	2.8	2.8
% FTEF from Full-Time Faculty	24%	36%	35%	36%	37%
Enrollments	391	425	443	463	409
Capacity (seats available)	380	430	451	452	426
Fill Rate	103%	99%	98%	102%	96%


**Definitions:**

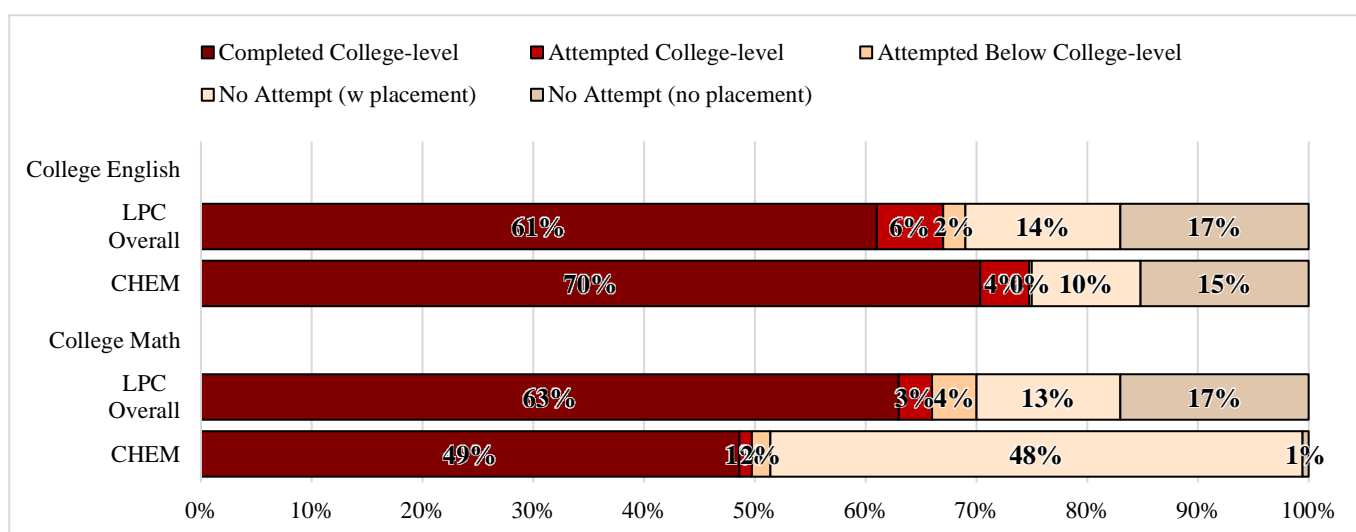
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% 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 7/14/20.

## Prior Experience in English & Math

	Spring 2021			
	CHEM		LPC Overall	
	Num	Pct	Num	Pct
<b>College English</b>				
Completed College-level	287	70%	4,882	61%
Attempted College-level	18	4%	547	7%
Attempted Below College-level	1	<1%	65	1%
No Prior Attempt (has placement)	40	10%	1,066	13%
No Prior Attempt (no placement)	62	15%	1,485	18%
<b>College Math</b>				
Completed College-level	174	49%	5,173	64%
Attempted College-level	4	1%	186	2%
Attempted Below College-level	6	2%	217	3%
No Prior Attempt (has placement)	172	48%	1,126	14%
No Prior Attempt (no placement)	2	1%	1,343	17%



### Definitions:

**College English: Completed College-level** = successfully completed ENG 1A, 1AEX, or attempted transfer level, or has earned at least an Associates degree.

**Attempted College-level** = attempted ENG 1A or 1AEX but has not successfully completed prior to indicated term.

**Attempted Below College-level** = attempted ENG 102, 104, 105, 100A, 100B, NENG 204, or ESL 25 prior to indicated term.

**No Prior Attempt (has placement)** = no previous English enrollments within the sequence but has used a placement tool.

**No Prior Attempt (no placement)** = no previous English enrollments within the sequence and did not utilize a placement tool.

### College Math:

**Completed College-level** = successfully completed MATH 55, 50, NMAT 255 or 250, or attempted transfer level, or has earned at least an Associates degree.

**Attempted College-level** = attempted MATH 55, 50, NMAT 255 or 250 but has not successfully completed prior to indicated term.

**Attempted Below College-level** = attempted MATH 110, 107, NMAT 210 or 207 prior to indicated term.

**No Prior Attempt (has placement)** = no previous Math enrollments within the sequence but has used a placement tool.

**No Prior Attempt (no placement)** = no previous Math enrollments within the sequence and did not utilize a placement tool.