



Las Positas College  
**Discipline Program Review Data Packet**  
Fall 2017 to Fall 2021

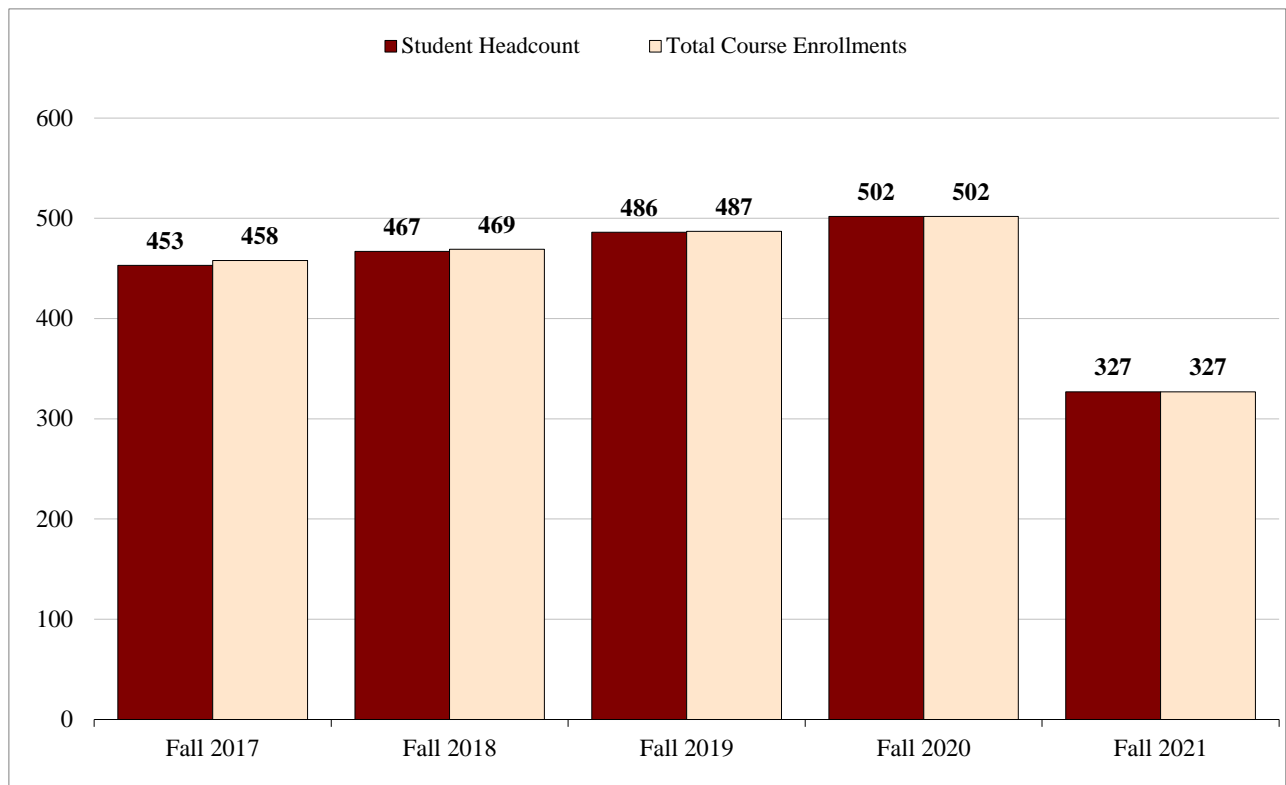
Discipline:

**Chemistry (CHEM)**

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## Headcount & Enrollment

Chemistry ( CHEM )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Student Headcount	453	467	486	502	327
Total Course Enrollments	458	469	487	502	327



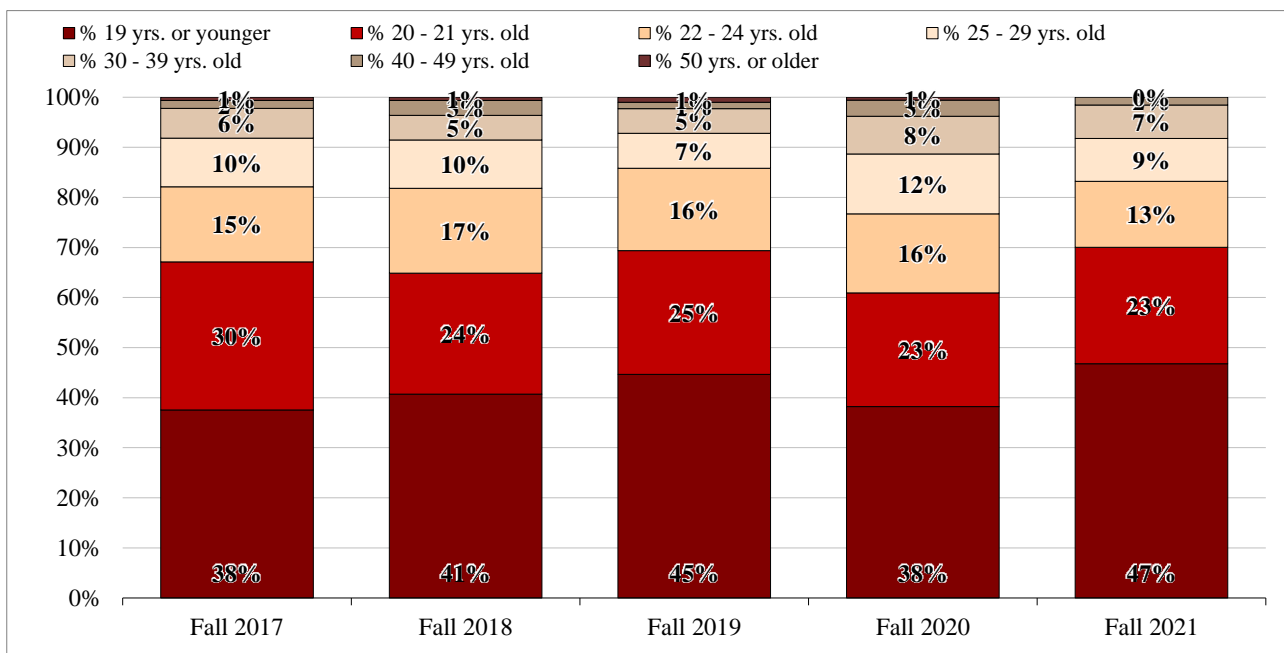
**Definitions:**

**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.

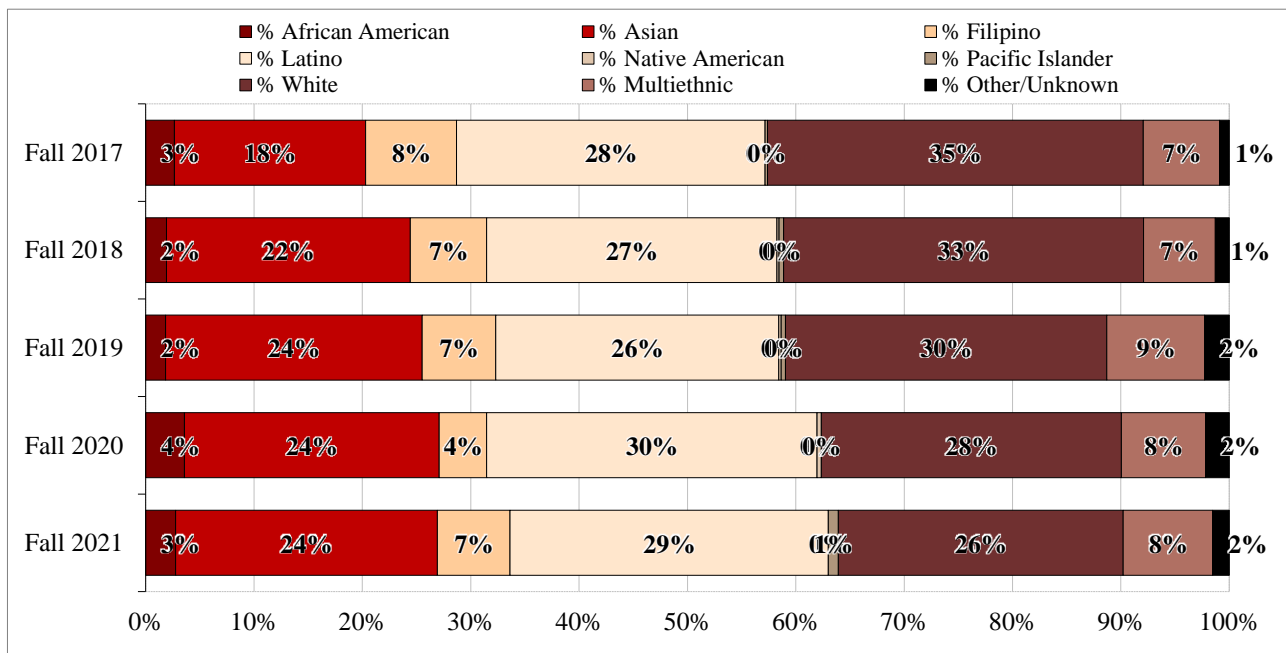
### Student Demographics: Gender & Age

Chemistry ( CHEM )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Female	242	253	274	305	186
Male	205	208	205	192	135
19 yrs. or younger	170	190	217	192	153
20-21 yrs. old	134	113	120	114	76
22-24 yrs. old	68	79	80	79	43
25-29 yrs. old	44	45	34	60	28
30-39 yrs. old	27	23	24	38	22
40-49 yrs. old	7	14	6	16	5
50 yrs. or older	3	3	5	3	0
% Female	54%	55%	57%	61%	58%
% Male	46%	45%	43%	39%	42%
% 19 yrs. or younger	38%	41%	45%	38%	47%
% 20 - 21 yrs. old	30%	24%	25%	23%	23%
% 22 - 24 yrs. old	15%	17%	16%	16%	13%
% 25 - 29 yrs. old	10%	10%	7%	12%	9%
% 30 - 39 yrs. old	6%	5%	5%	8%	7%
% 40 - 49 yrs. old	2%	3%	1%	3%	2%
% 50 yrs. or older	1%	1%	1%	1%	0%



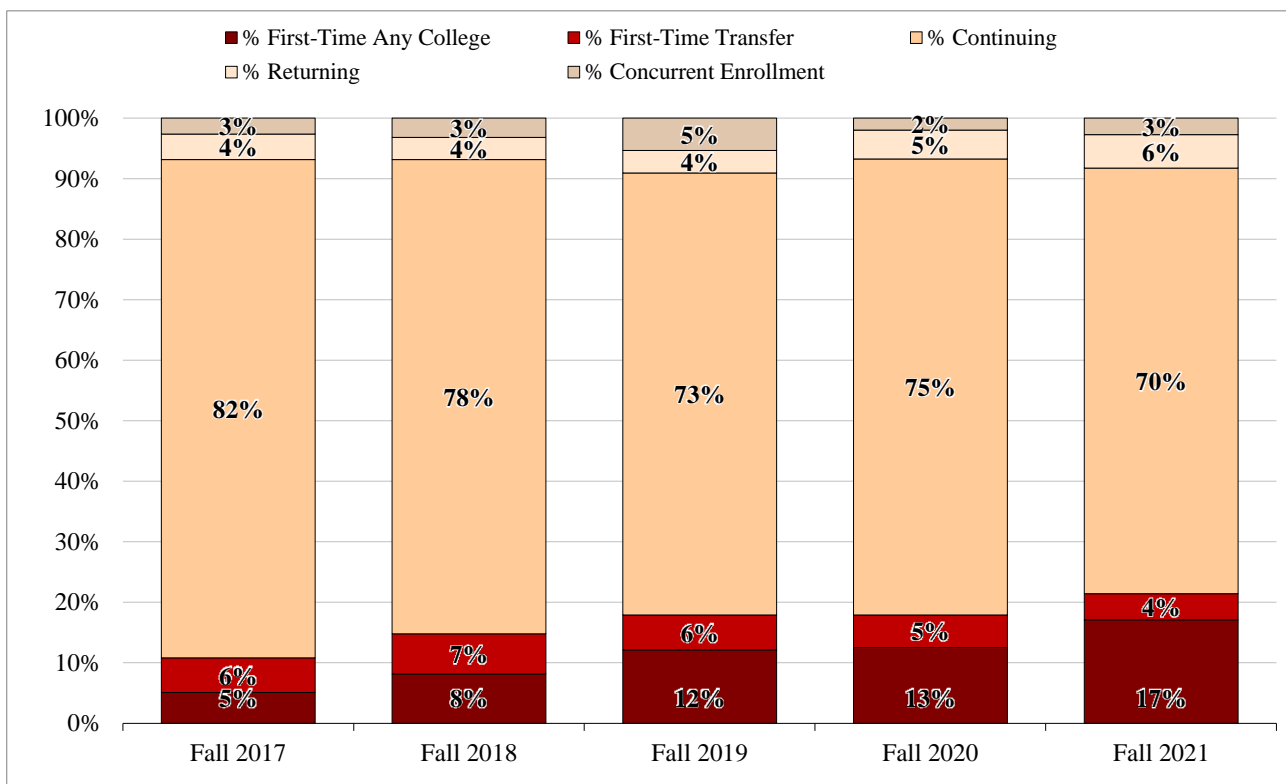
### Student Demographic: Race-Ethnicity

Chemistry ( CHEM )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
African American	12	9	9	18	9
Asian	80	105	115	118	79
Filipino	38	33	33	22	22
Latino	129	125	127	153	96
Native American	0	1	1	2	0
Pacific Islander	1	2	2	0	3
White	157	155	144	139	86
Multiethnic	32	31	44	39	27
Other/Unknown	4	6	11	11	5
% African American	3%	2%	2%	4%	3%
% Asian	18%	22%	24%	24%	24%
% Filipino	8%	7%	7%	4%	7%
% Latino	28%	27%	26%	30%	29%
% Native American	0%	<1%	<1%	<1%	0%
% Pacific Islander	<1%	<1%	<1%	0%	1%
% White	35%	33%	30%	28%	26%
% Multiethnic	7%	7%	9%	8%	8%
% Other/Unknown	1%	1%	2%	2%	2%



### Student Enrollment Status

Chemistry ( CHEM )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
First-Time Any College	23	38	59	63	56
First-Time Transfer	26	31	28	27	14
Continuing	373	366	355	378	230
Returning	19	17	18	24	18
Concurrent Enrollment	12	15	26	10	9
% First-Time Any College	5%	8%	12%	13%	17%
% First-Time Transfer	6%	7%	6%	5%	4%
% Continuing	82%	78%	73%	75%	70%
% Returning	4%	4%	4%	5%	6%
% Concurrent Enrollment	3%	3%	5%	2%	3%



**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.

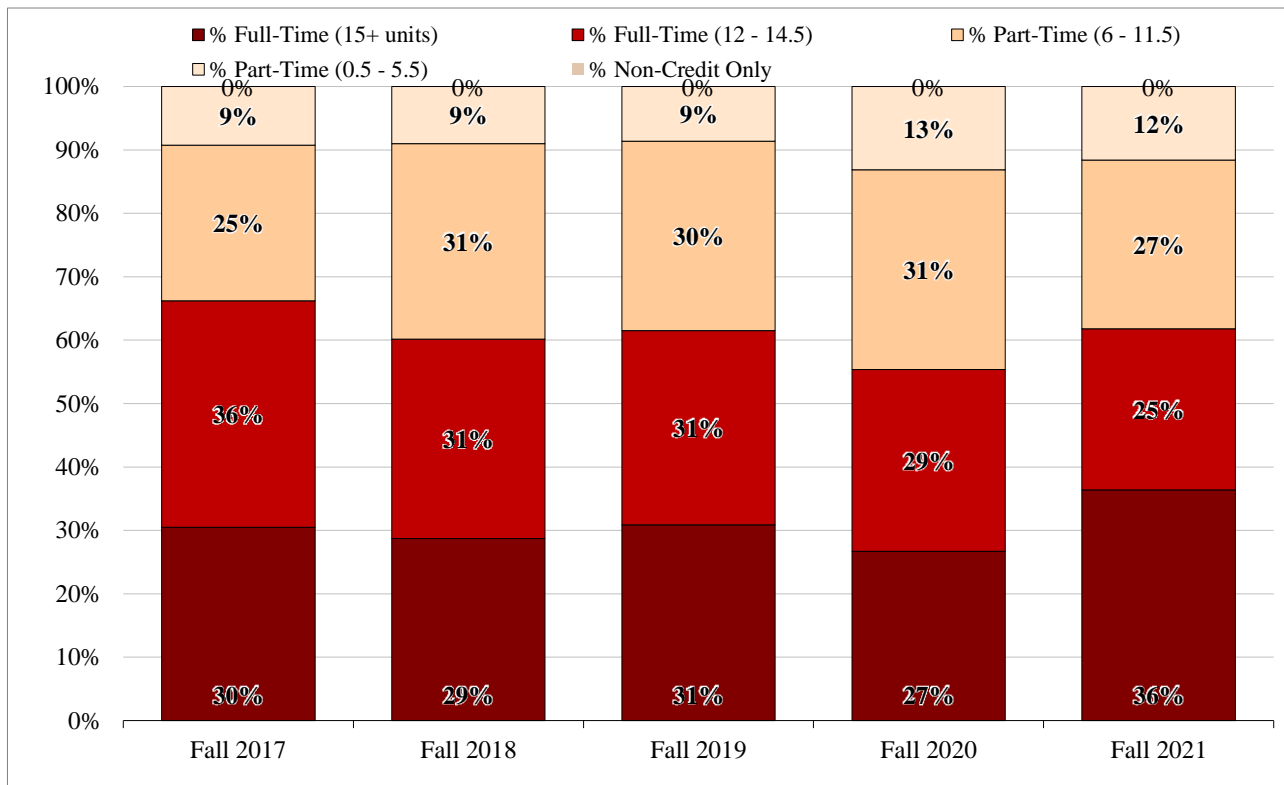
**Continuing:** Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

**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.

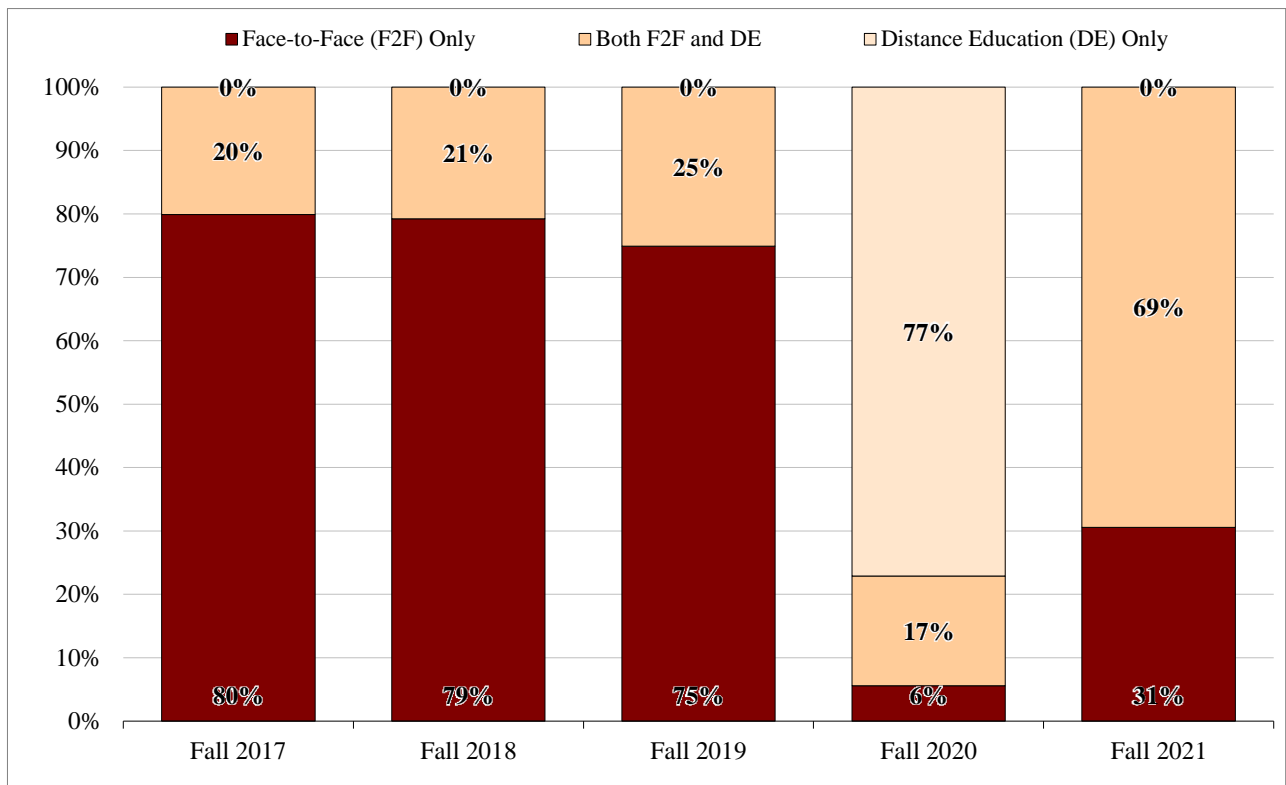
### Student Unit Load

Chemistry ( CHEM )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Full-Time (15+ units)	138	134	150	134	119
Full-Time (12 - 14.5)	162	147	149	144	83
Part-Time (6 - 11.5)	111	144	145	158	87
Part-Time (0.5 - 5.5)	42	42	42	66	38
Non-Credit Only	0	0	0	0	0
% Full-Time (15+ units)	30%	29%	31%	27%	36%
% Full-Time (12 - 14.5)	36%	31%	31%	29%	25%
% Part-Time (6 - 11.5)	25%	31%	30%	31%	27%
% Part-Time (0.5 - 5.5)	9%	9%	9%	13%	12%
% Non-Credit Only	0%	0%	0%	0%	0%



### Students Using Distance Education

Chemistry ( CHEM )					
(Categories reflect college-wide coursework)	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Face-to-Face (F2F) Only	362	370	364	28	100
Both F2F and DE	91	97	122	87	227
Distance Education (DE) Only	0	0	0	387	0
% Face-to-Face (F2F) Only	80%	79%	75%	6%	31%
% Both F2F and DE	20%	21%	25%	17%	69%
% Distance Education (DE) Only	0%	0%	0%	77%	0%

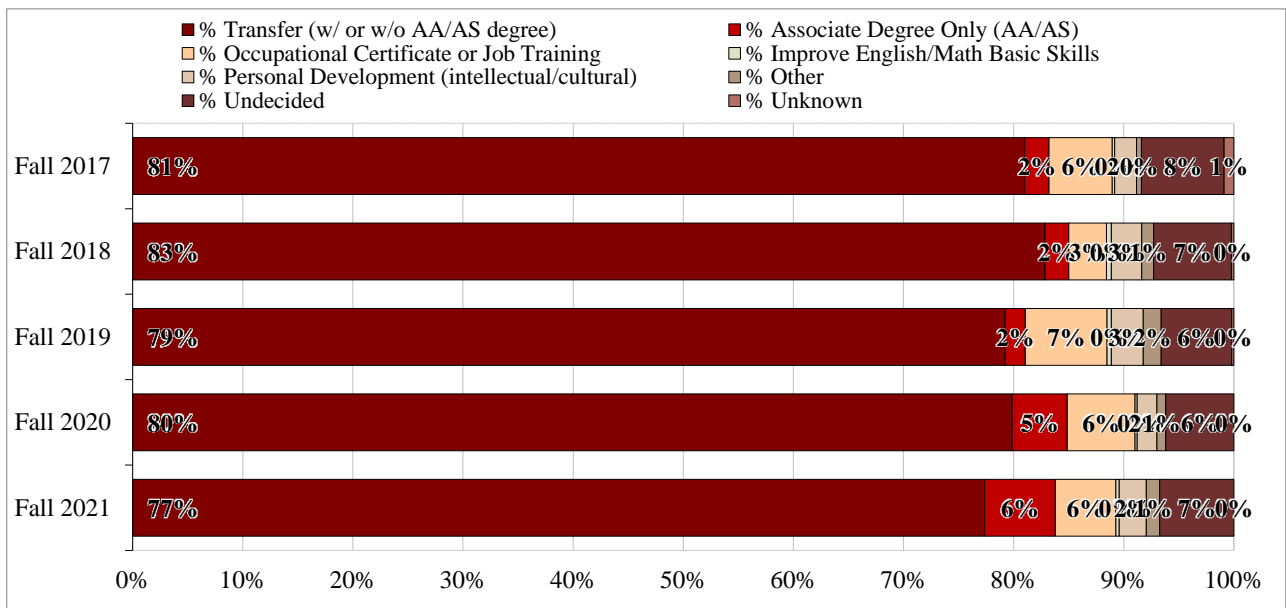


**Definitions:**

**Distance Education (DE)** includes enrollments in courses with section numbers designated as courses with 51% or more of instruction delivered online. Due to the COVID-19 pandemic, 2020-21 DE courses were distinguished through provisional designations.

### Student Educational Goal

Chemistry ( CHEM )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
Transfer (w/ or w/o AA/AS degree)	367	387	385	401	253
Associate Degree Only (AA/AS)	10	10	9	25	21
Occupational Certificate or Job Training	26	16	36	31	18
Improve English/Math Basic Skills	1	2	2	1	1
Personal Development (intellectual/cultural)	9	13	14	9	8
Other	2	5	8	4	4
Undecided	34	33	31	31	22
Unknown	4	1	1	0	0
% Transfer (w/ or w/o AA/AS degree)	81%	83%	79%	80%	77%
% Associate Degree Only (AA/AS)	2%	2%	2%	5%	6%
% Occupational Certificate or Job Training	6%	3%	7%	6%	6%
% Improve English/Math Basic Skills	<1%	<1%	<1%	<1%	<1%
% Personal Development (intellectual/cultural)	2%	3%	3%	2%	2%
% Other	<1%	1%	2%	1%	1%
% Undecided	8%	7%	6%	6%	7%
% Unknown	1%	<1%	<1%	0%	0%



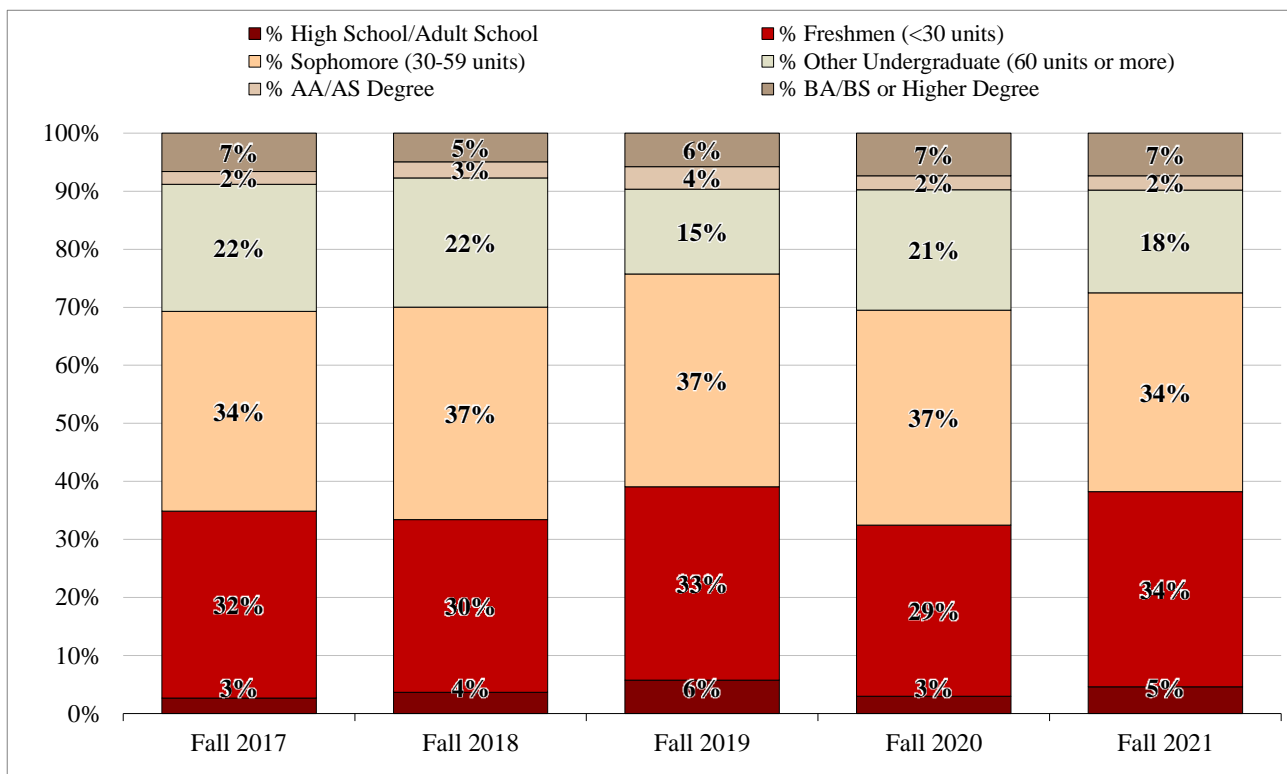
**Definitions:**

- 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.



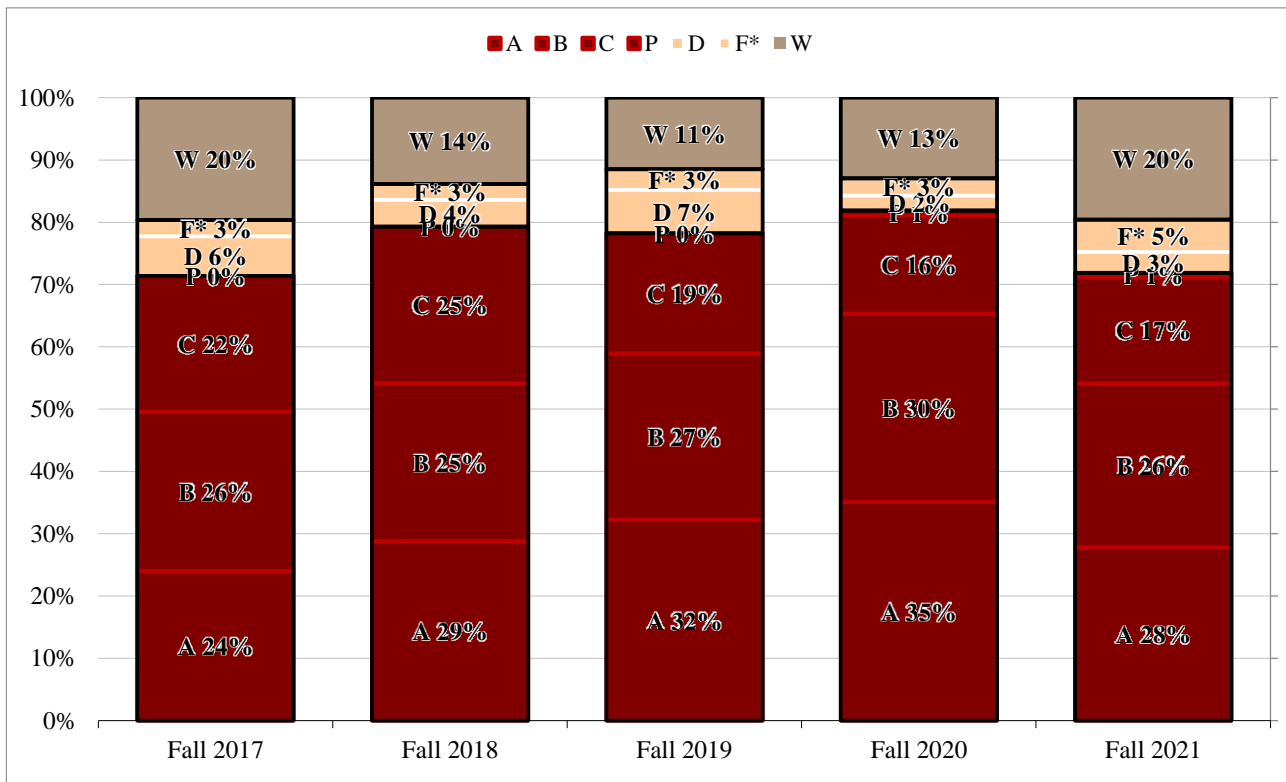
### Highest Educational Level of Students

Chemistry ( CHEM )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
High School/Adult School	12	17	28	15	15
Freshmen (<30 units)	146	139	162	148	110
Sophomore (30-59 units)	156	171	178	186	112
Other Undergraduate (60 units or more)	99	104	71	104	58
AA/AS Degree	10	13	19	12	8
BA/BS or Higher Degree	30	23	28	37	24
<hr/>					
% High School/Adult School	3%	4%	6%	3%	5%
% Freshmen (<30 units)	32%	30%	33%	29%	34%
% Sophomore (30-59 units)	34%	37%	37%	37%	34%
% Other Undergraduate (60 units or more)	22%	22%	15%	21%	18%
% AA/AS Degree	2%	3%	4%	2%	2%
% BA/BS or Higher Degree	7%	5%	6%	7%	7%



### Student Performance: Grade Distribution

Chemistry ( CHEM )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
<b>Total Course Enrollments</b>	<b>458</b>	<b>469</b>	<b>487</b>	<b>502</b>	<b>327</b>
<b>Course Success Rates</b>	<b>71%</b>	<b>79%</b>	<b>78%</b>	<b>82%</b>	<b>72%</b>
A	24%	29%	32%	35%	28%
B	26%	25%	27%	30%	26%
C	22%	25%	19%	16%	17%
P	0%	0%	0%	1%	1%
<b>Course Non-Success Rate</b>	<b>9%</b>	<b>7%</b>	<b>10%</b>	<b>5%</b>	<b>9%</b>
D	6%	4%	7%	2%	3%
F*	3%	3%	3%	3%	5%
<b>Withdrawals (See Note)</b>	<b>20%</b>	<b>14%</b>	<b>11%</b>	<b>13%</b>	<b>20%</b>



**Definitions:**

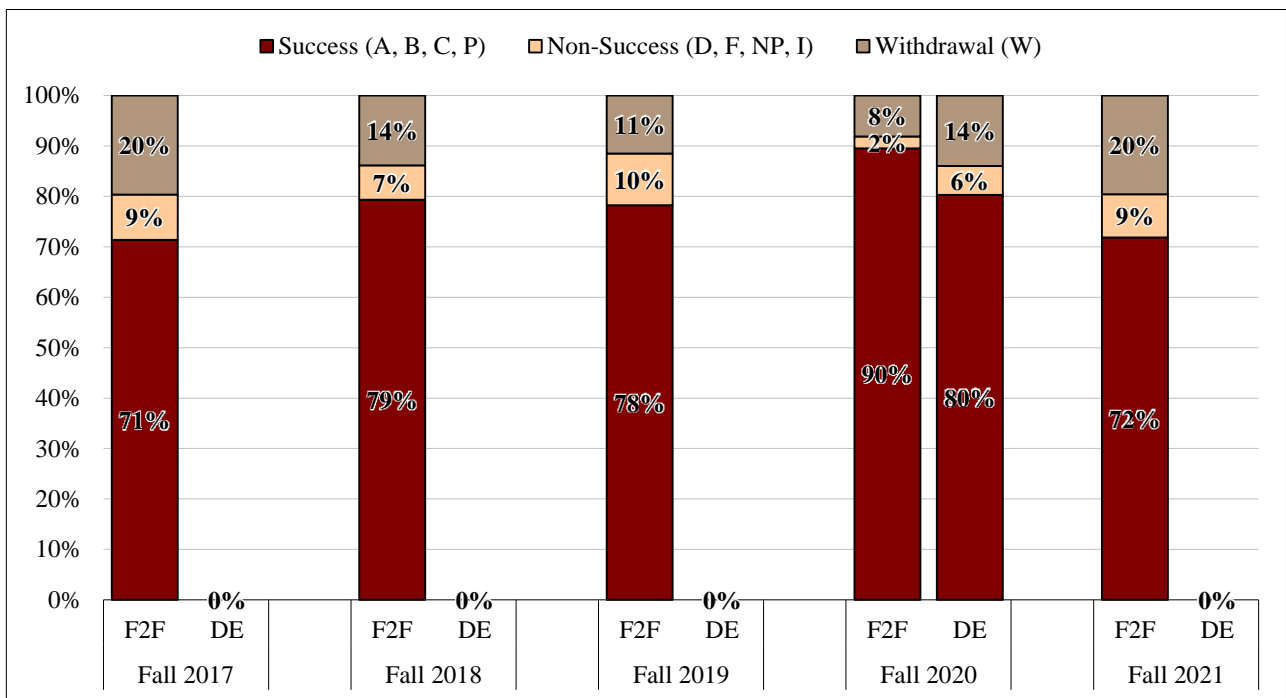
**Course Success Rate:** Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

**Course Non-Success Rate:** Share of course enrollments resulting in a grade of 'D' or 'F\*' (includes: 'F', 'NP', '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

Chemistry ( CHEM )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
<b>Total Course Enrollments</b>	<b>458</b>	<b>469</b>	<b>487</b>	<b>502</b>	<b>327</b>
<b>Face-to-Face (F2F) Sections</b>	<b>458</b>	<b>469</b>	<b>487</b>	<b>86</b>	<b>327</b>
Success Rates	71%	79%	78%	90%	72%
Non-Success Rates	9%	7%	10%	2%	9%
Withdrawals	20%	14%	11%	8%	20%
<b>Distance Education (DE) Sections</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>416</b>	<b>0</b>
Success Rates	—	—	—	80%	—
Non-Success Rates	—	—	—	6%	—
Withdrawals	—	—	—	14%	—



**Definitions:**

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

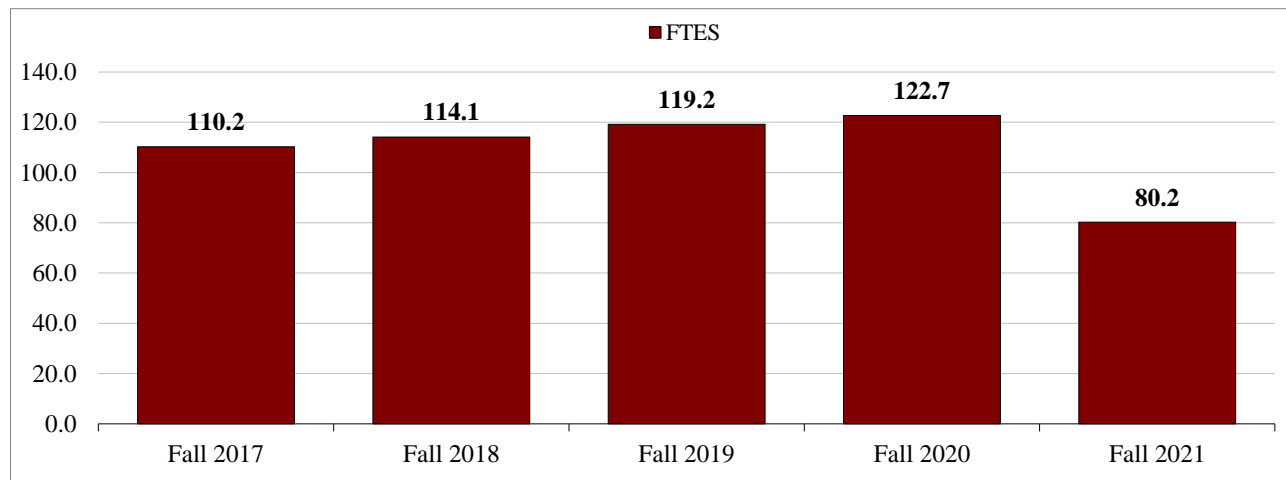
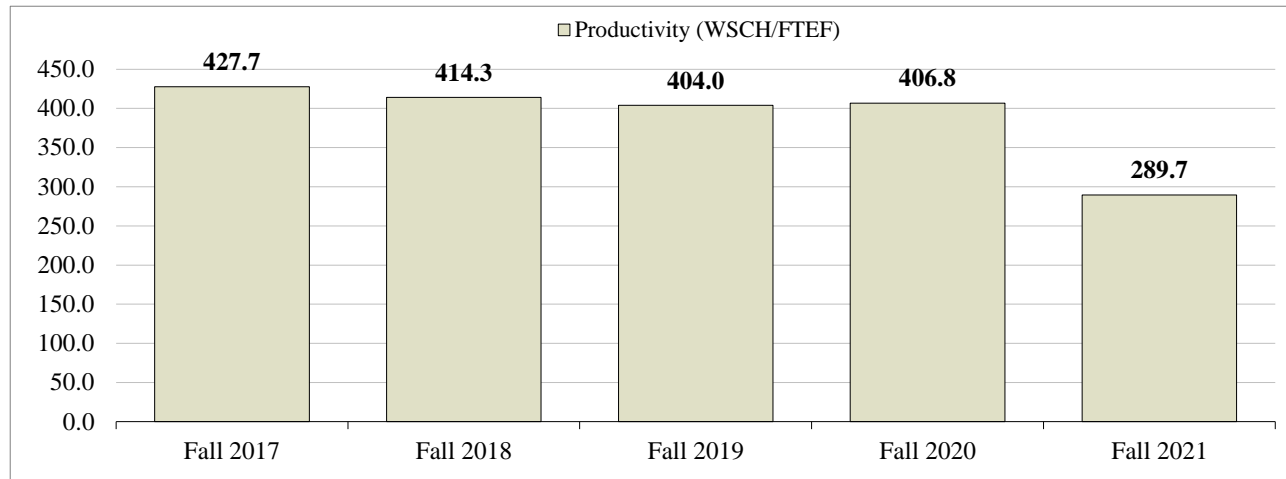
**Course Non-Success Rate:** Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

**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

Chemistry ( CHEM )					
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
WSCH	3,379	3,501	3,636	3,732	2,448
FTES	110.2	114.1	119.2	122.7	80.2
FTEF	7.9	8.5	9.0	9.2	8.5
Productivity (WSCH/FTEF)	427.7	414.3	404.0	406.8	289.7



**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.

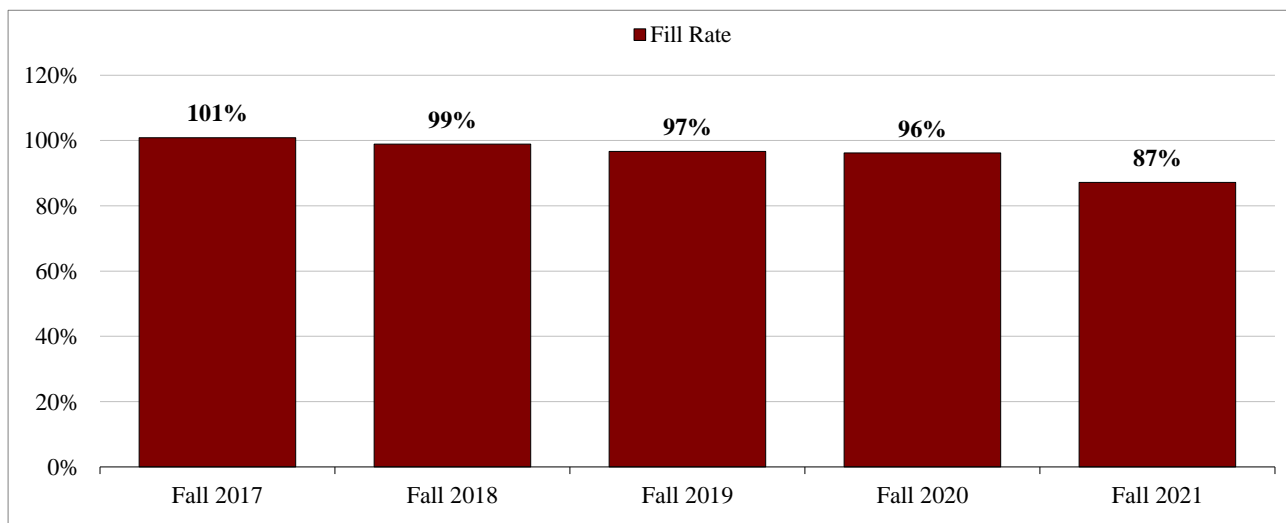
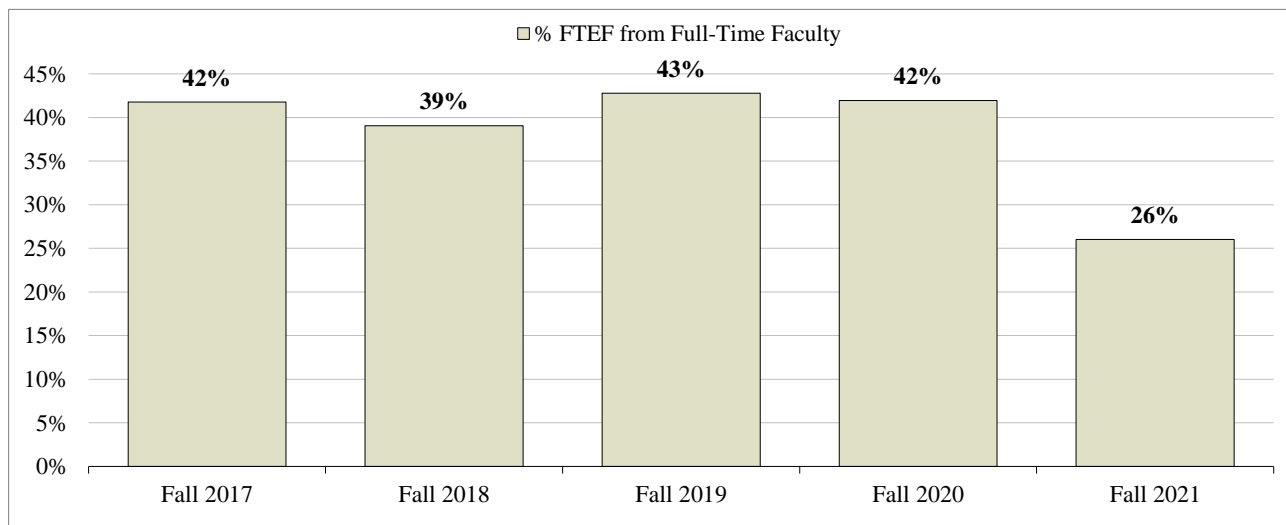
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

**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 7/20/21.

## Enrollment Management: Part 2

	Chemistry ( CHEM )				
	Term				
	Fall 2017	Fall 2018	Fall 2019	Fall 2020	Fall 2021
FTEF from Full-Time Faculty	3.3	3.3	3.9	3.9	2.2
% FTEF from Full-Time Faculty	42%	39%	43%	42%	26%
Enrollments	458	469	487	502	327
Capacity (seats available)	454	474	504	522	375
Fill Rate	101%	99%	97%	96%	87%



**Definitions:**

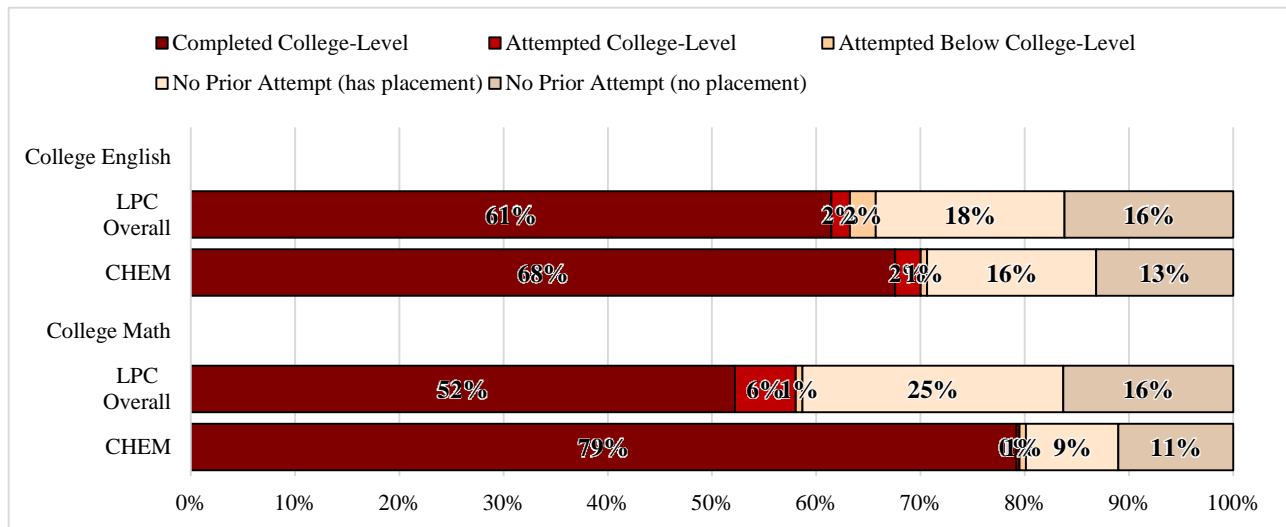
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% 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 / TUTOR 200; latest data accessed on 7/20/21.

### Prior Experience in English & Math

Fall 2021				
	CHEM		LPC Overall	
	Num	Pct	Num	Pct
<b>College English</b>				
Completed College-level	221	68%	3,849	52%
Attempted College-level	8	2%	430	6%
Attempted Below College-level	2	1%	46	1%
No Prior Attempt (has placement)	53	16%	1,845	25%
No Prior Attempt (no placement)	43	13%	1,202	16%
<b>College Math</b>				
Completed College-level	259	79%	4,530	61%
Attempted College-level	1	<1%	132	2%
Attempted Below College-level	2	1%	181	2%
No Prior Attempt (has placement)	29	9%	1,337	18%
No Prior Attempt (no placement)	36	11%	1,192	16%



**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.