



Las Positas College

**Program Review Discipline Data Packet**

Fall 2013 to Fall 2017

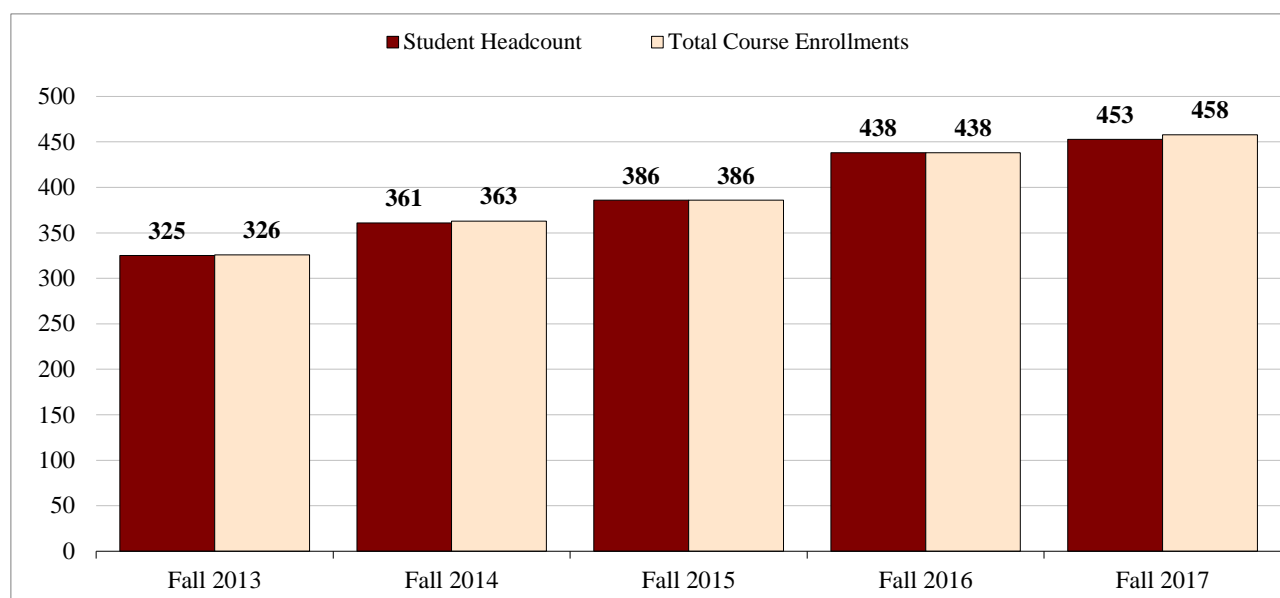
Discipline:

**Chemistry (CHEM)**

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## Headcount & Enrollment

Chemistry ( CHEM )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
Student Headcount	325	361	386	438	453
Total Course Enrollments	326	363	386	438	458



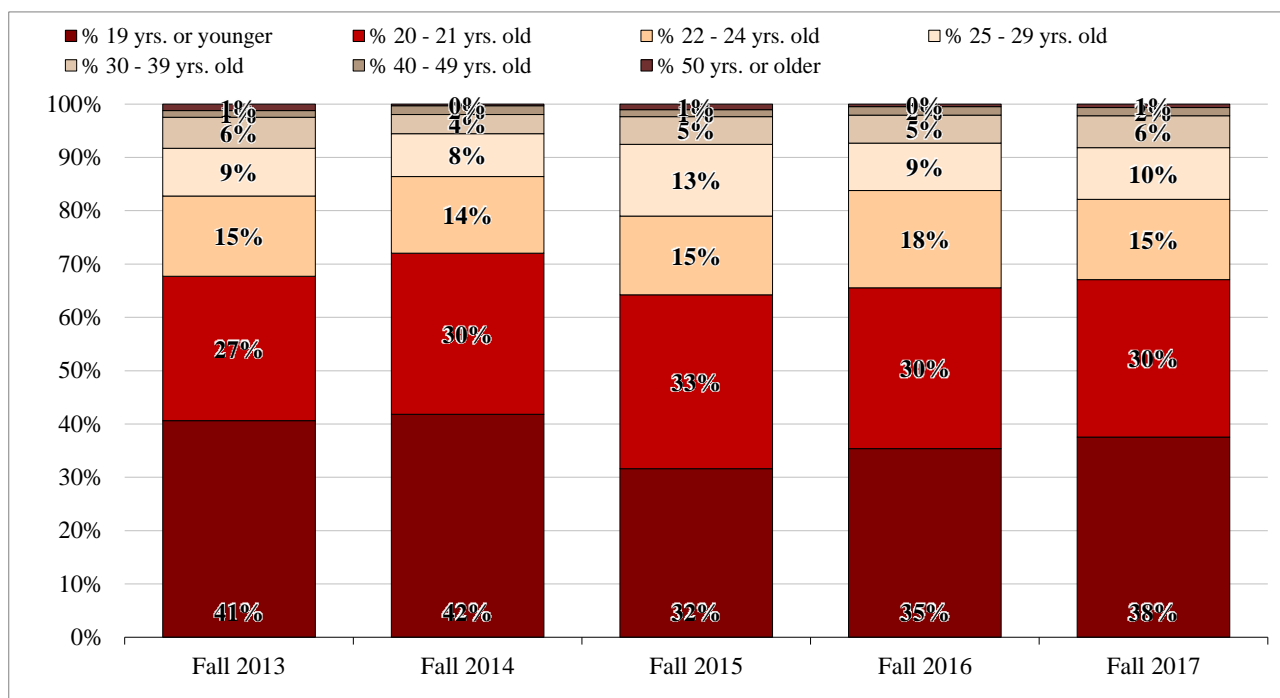
### Definitions:

**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.

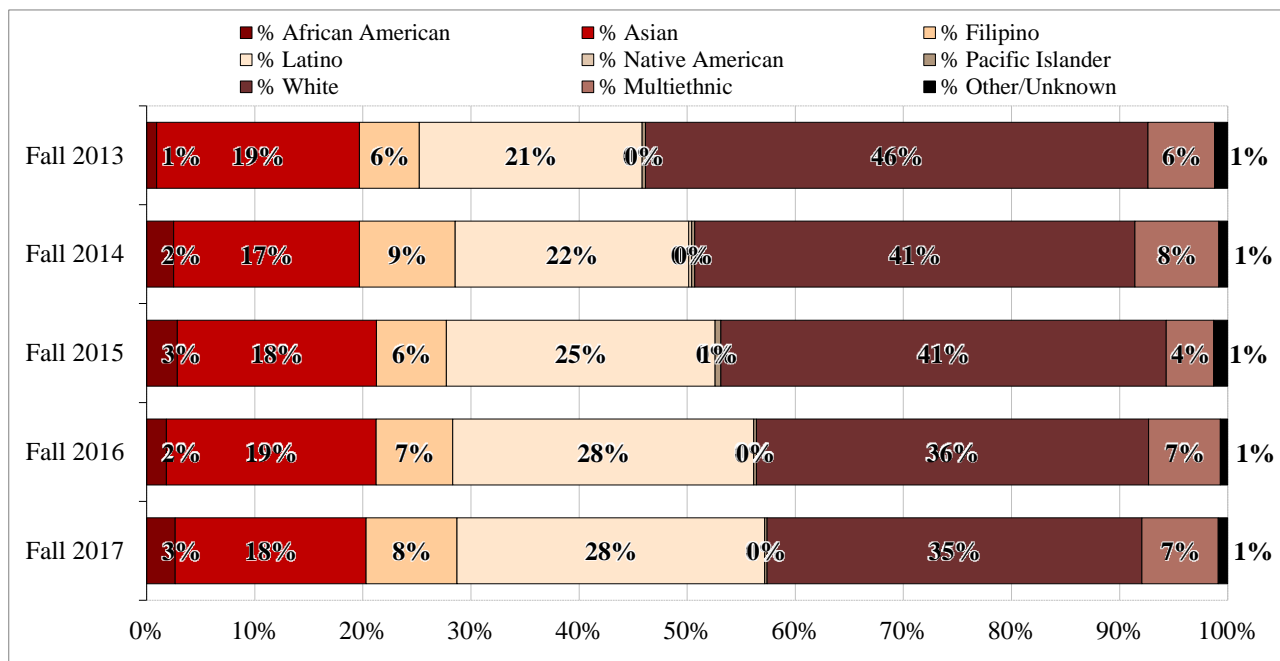
## Student Demographics: Gender & Age

Chemistry ( CHEM )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
Female	161	188	198	233	242
Male	162	171	183	201	205
19 yrs. or younger	132	151	122	155	170
20-21 yrs. old	88	109	126	132	134
22-24 yrs. old	49	52	57	80	68
25-29 yrs. old	29	29	52	39	44
30-39 yrs. old	19	13	20	23	27
40-49 yrs. old	4	6	5	7	7
50 yrs. or older	4	1	4	2	3
% Female	50%	52%	52%	54%	54%
% Male	50%	48%	48%	46%	46%
% 19 yrs. or younger	41%	42%	32%	35%	38%
% 20 - 21 yrs. old	27%	30%	33%	30%	30%
% 22 - 24 yrs. old	15%	14%	15%	18%	15%
% 25 - 29 yrs. old	9%	8%	13%	9%	10%
% 30 - 39 yrs. old	6%	4%	5%	5%	6%
% 40 - 49 yrs. old	1%	2%	1%	2%	2%
% 50 yrs. or older	1%	<1%	1%	<1%	1%



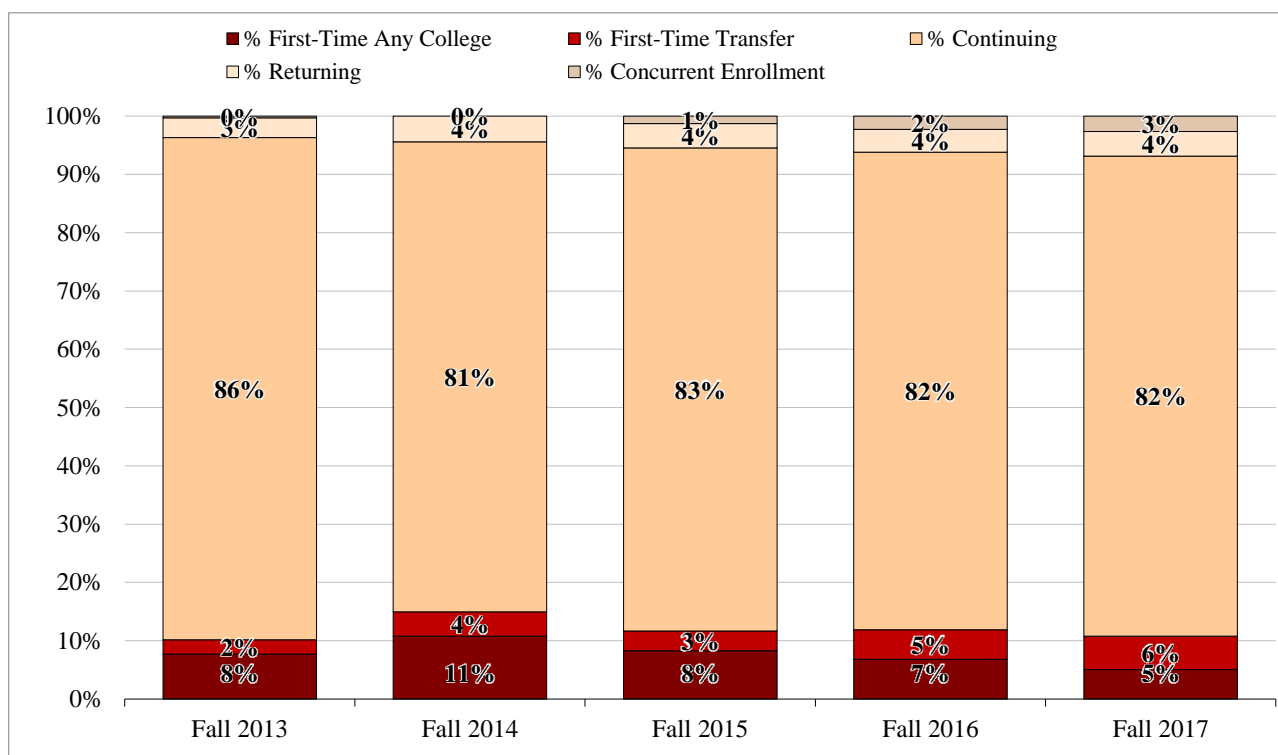
## Student Demographic: Race-Ethnicity

Chemistry ( CHEM )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
African American	3	9	11	8	12
Asian	61	62	71	85	80
Filipino	18	32	25	31	38
Latino	67	78	96	122	129
Native American	0	1	0	0	0
Pacific Islander	1	1	2	1	1
White	151	147	159	159	157
Multiethnic	20	28	17	29	32
Other/Unknown	4	3	5	3	4
% African American	1%	2%	3%	2%	3%
% Asian	19%	17%	18%	19%	18%
% Filipino	6%	9%	6%	7%	8%
% Latino	21%	22%	25%	28%	28%
% Native American	0%	<1%	0%	0%	0%
% Pacific Islander	<1%	<1%	1%	<1%	<1%
% White	46%	41%	41%	36%	35%
% Multiethnic	6%	8%	4%	7%	7%
% Other/Unknown	1%	1%	1%	1%	1%



## Student Enrollment Status

Chemistry ( CHEM )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
First-Time Any College	25	39	32	30	23
First-Time Transfer	8	15	13	22	26
Continuing	280	291	320	359	373
Returning	11	16	16	17	19
Concurrent Enrollment	1	0	5	10	12
% First-Time Any College	8%	11%	8%	7%	5%
% First-Time Transfer	2%	4%	3%	5%	6%
% Continuing	86%	81%	83%	82%	82%
% Returning	3%	4%	4%	4%	4%
% Concurrent Enrollment	<1%	0%	1%	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.

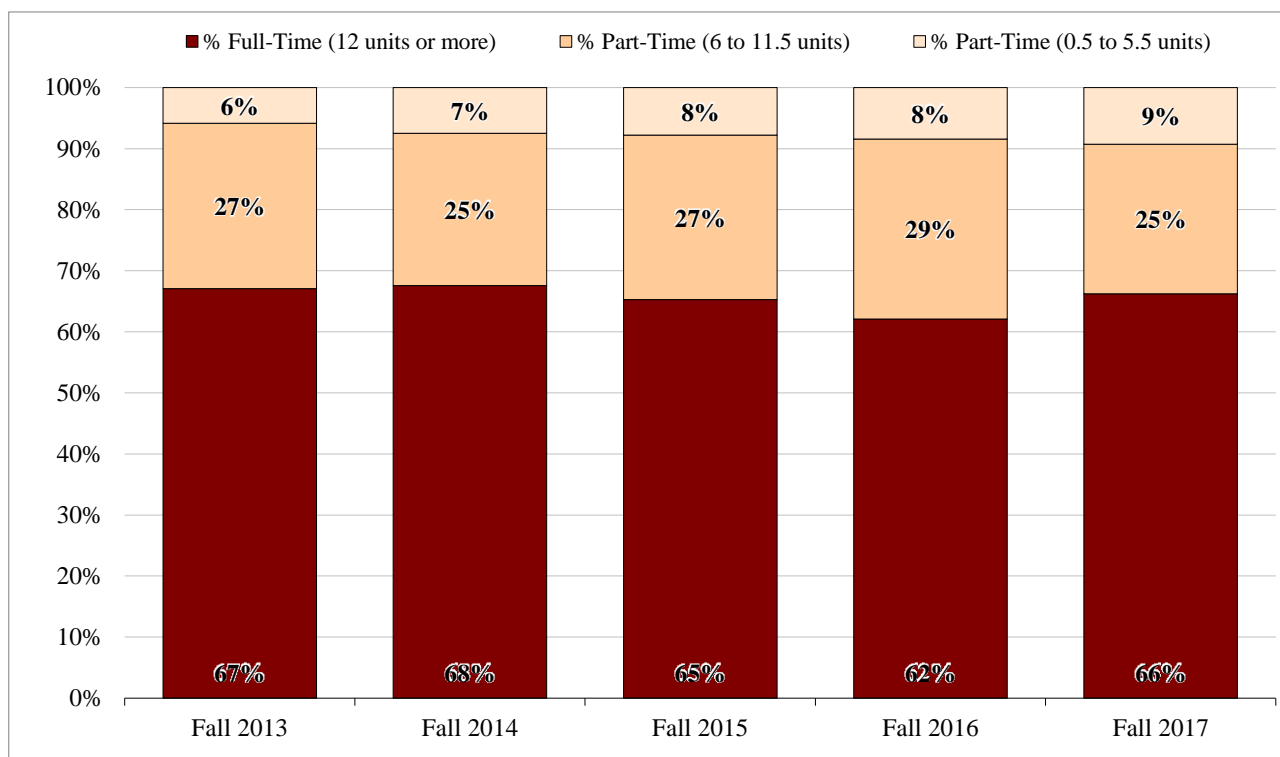
**Continuing:** Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

**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.

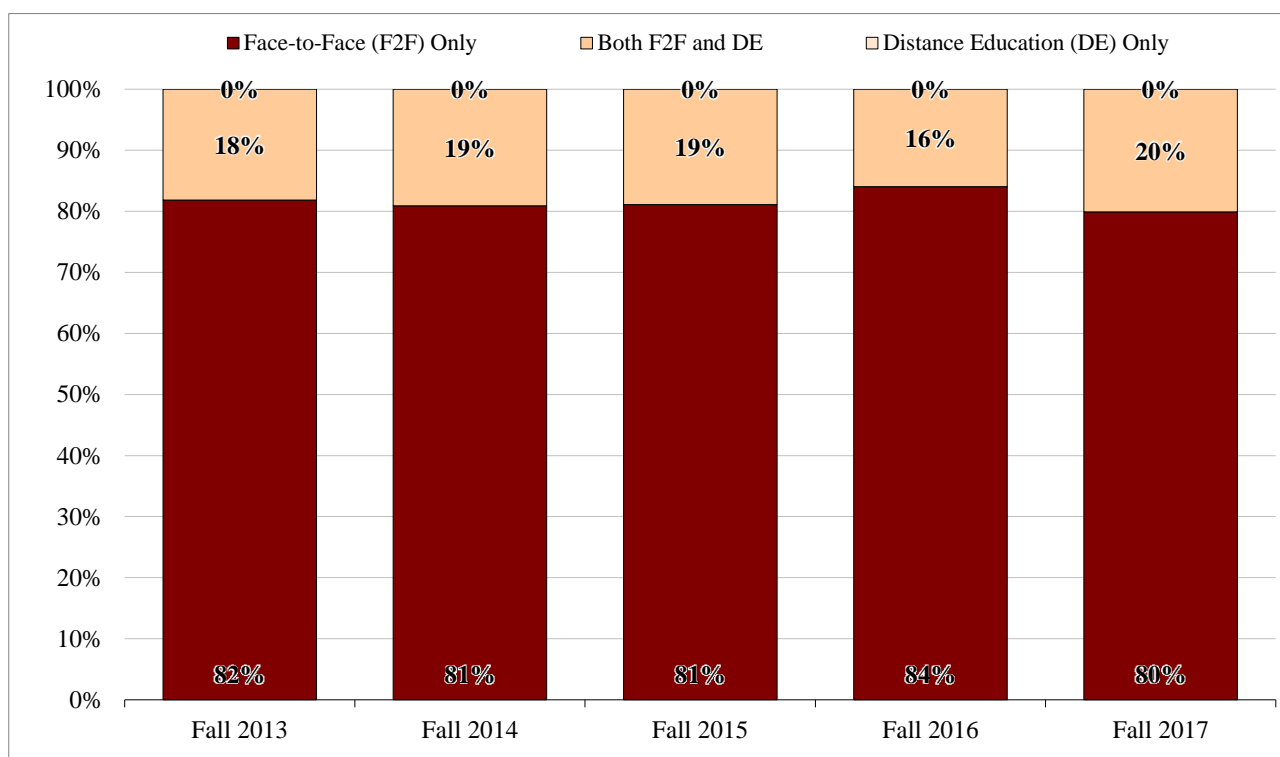
## Student Unit Load

Chemistry ( CHEM )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
Full-Time (12 units or more)	218	244	252	272	300
Part-Time (6 to 11.5 units)	88	90	104	129	111
Part-Time (0.5 to 5.5 units)	19	27	30	37	42
% Full-Time (12 units or more)	67%	68%	65%	62%	66%
% Part-Time (6 to 11.5 units)	27%	25%	27%	29%	25%
% Part-Time (0.5 to 5.5 units)	6%	7%	8%	8%	9%



## Students Using Distance Education

Chemistry ( CHEM )					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
Face-to-Face (F2F) Only	266	292	313	368	362
Both F2F and DE	59	69	73	70	91
Distance Education (DE) Only	0	0	0	0	0
% Face-to-Face (F2F) Only	82%	81%	81%	84%	80%
% Both F2F and DE	18%	19%	19%	16%	20%
% Distance Education (DE) Only	0%	0%	0%	0%	0%

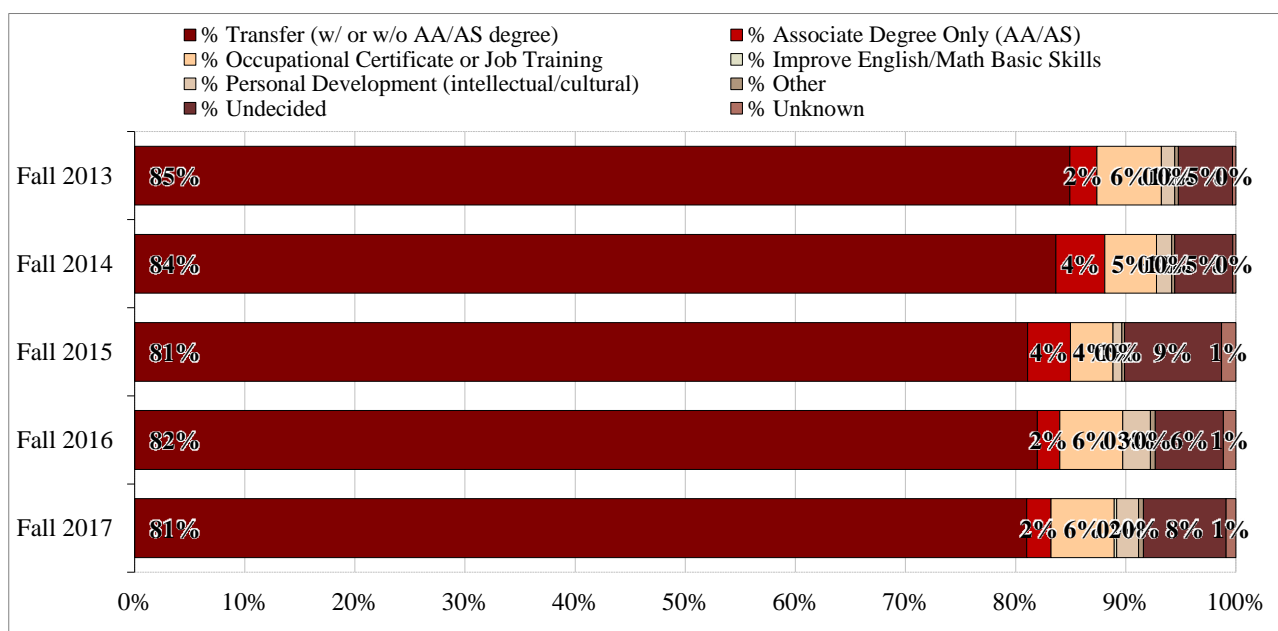


**Definitions:**

**Distance Education (DE)** includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'.

## Student Educational Goal

Chemistry ( CHEM )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
Transfer (w/ or w/o AA/AS degree)	276	302	313	359	367
Associate Degree Only (AA/AS)	8	16	15	9	10
Occupational Certificate or Job Training	19	17	15	25	26
Improve English/Math Basic Skills	0	0	0	0	1
Personal Development (intellectual/cultural)	4	5	3	11	9
Other	1	1	1	2	2
Undecided	16	19	34	27	34
Unknown	1	1	5	5	4
% Transfer (w/ or w/o AA/AS degree)	85%	84%	81%	82%	81%
% Associate Degree Only (AA/AS)	2%	4%	4%	2%	2%
% Occupational Certificate or Job Training	6%	5%	4%	6%	6%
% Improve English/Math Basic Skills	0%	0%	0%	0%	<1%
% Personal Development (intellectual/cultural)	1%	1%	1%	3%	2%
% Other	<1%	<1%	<1%	<1%	<1%
% Undecided	5%	5%	9%	6%	8%
% Unknown	<1%	<1%	1%	1%	1%



### 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.

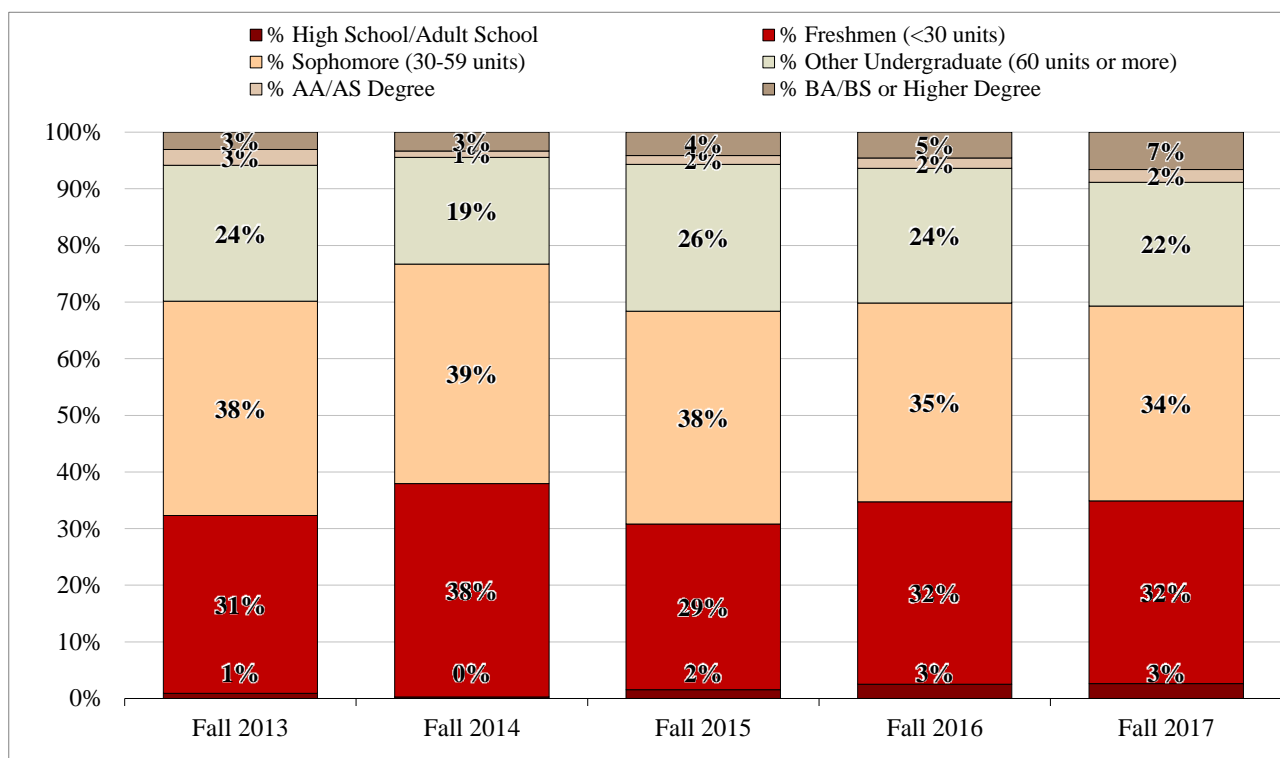
**Personal Development:** Students taking courses for intellectual and/or cultural development.

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



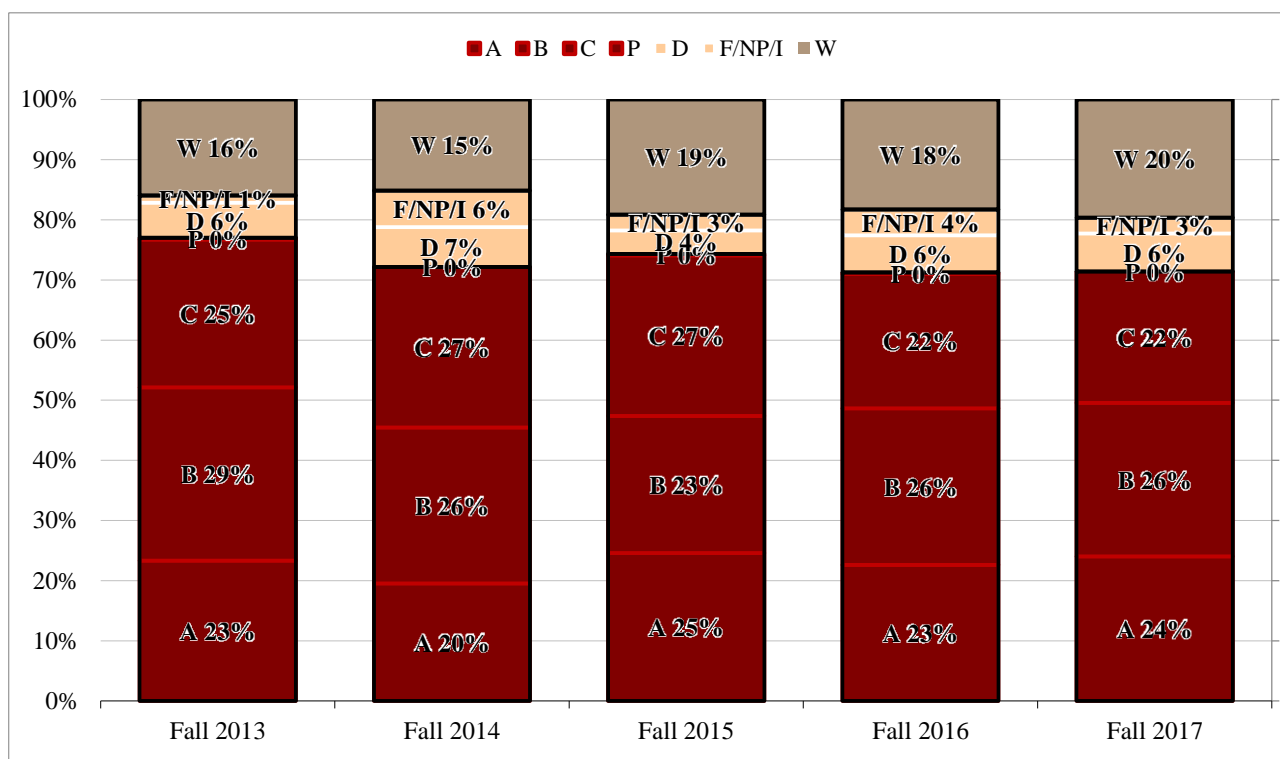
## Highest Educational Level of Students

Chemistry ( CHEM )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
High School/Adult School	3	1	6	11	12
Freshmen (<30 units)	102	136	113	141	146
Sophomore (30-59 units)	123	140	145	154	156
Other Undergraduate (60 units or more)	78	68	100	104	99
AA/AS Degree	9	4	6	8	10
BA/BS or Higher Degree	10	12	16	20	30
% High School/Adult School	1%	<1%	2%	3%	3%
% Freshmen (<30 units)	31%	38%	29%	32%	32%
% Sophomore (30-59 units)	38%	39%	38%	35%	34%
% Other Undergraduate (60 units or more)	24%	19%	26%	24%	22%
% AA/AS Degree	3%	1%	2%	2%	2%
% BA/BS or Higher Degree	3%	3%	4%	5%	7%



## Student Performance: Grade Distribution

Chemistry ( CHEM )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
<b>Total Course Enrollments</b>	<b>326</b>	<b>363</b>	<b>386</b>	<b>438</b>	<b>458</b>
<b>Course Success Rates</b>	<b>77%</b>	<b>72%</b>	<b>74%</b>	<b>71%</b>	<b>71%</b>
A	23%	20%	25%	23%	24%
B	29%	26%	23%	26%	26%
C	25%	27%	27%	22%	22%
P	<1%	0%	<1%	<1%	0%
<b>Course Non-Success Rate</b>	<b>7%</b>	<b>13%</b>	<b>6%</b>	<b>11%</b>	<b>9%</b>
D	6%	7%	4%	6%	6%
F/NP/I	1%	6%	3%	4%	3%
<b>Withdrawals (W)</b>	<b>16%</b>	<b>15%</b>	<b>19%</b>	<b>18%</b>	<b>20%</b>



### Definitions:

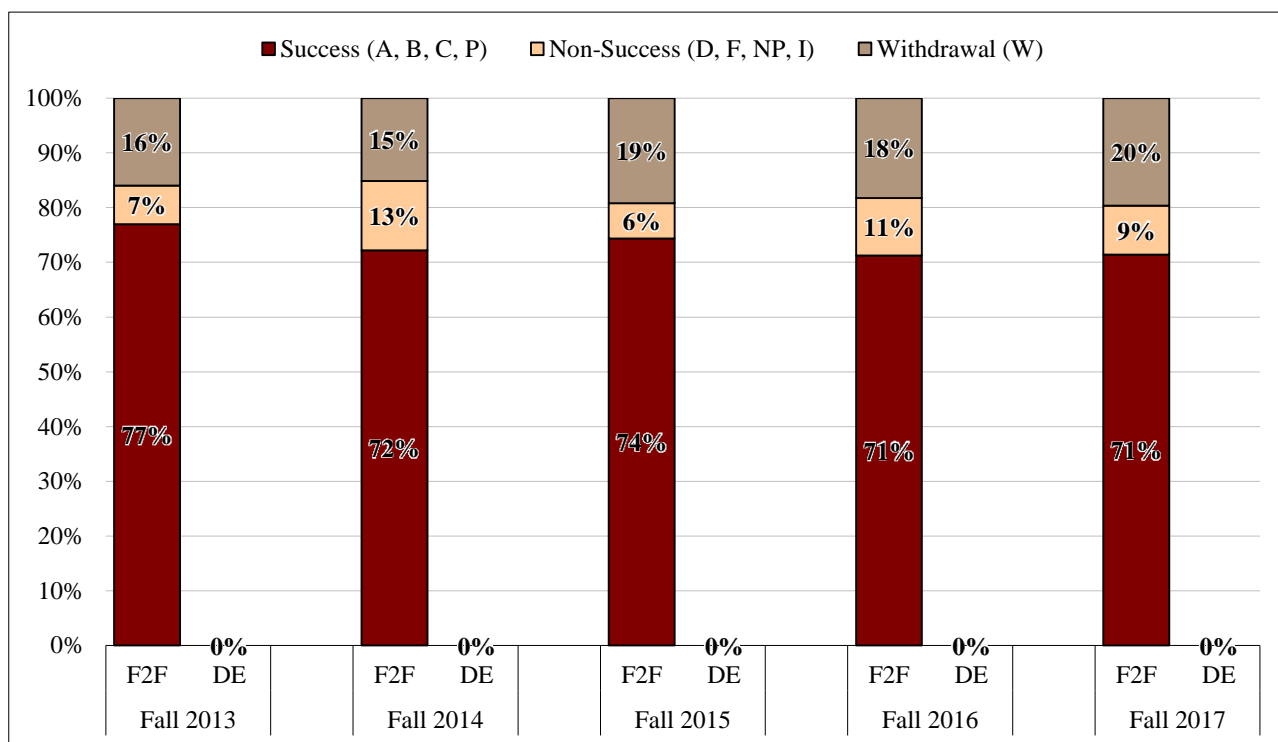
**Course Success Rate** is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

**Course Non-Success Rate** is the percentage of students receiving a grade of ('D', 'F', 'NP' or 'I') relative to all students receiving a grade.

**Withdrawals** is the percentage of students receiving a grade notation of 'W' relative to all students receiving a grade.

## Student Performance: Distance Education

Chemistry ( CHEM )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
<b>Total Course Enrollments</b>	<b>326</b>	<b>363</b>	<b>386</b>	<b>438</b>	<b>458</b>
<b>Face-to-Face (F2F) Sections</b>	<b>326</b>	<b>363</b>	<b>386</b>	<b>438</b>	<b>458</b>
Success Rates	77%	72%	74%	71%	71%
Non-Success Rates	7%	13%	6%	11%	9%
Withdrawals	16%	15%	19%	18%	20%
<b>Distance Education (DE) Sections</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Success Rates	—	—	—	—	—
Non-Success Rates	—	—	—	—	—
Withdrawals	—	—	—	—	—



**Definitions:**

**Course Success Rate** is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

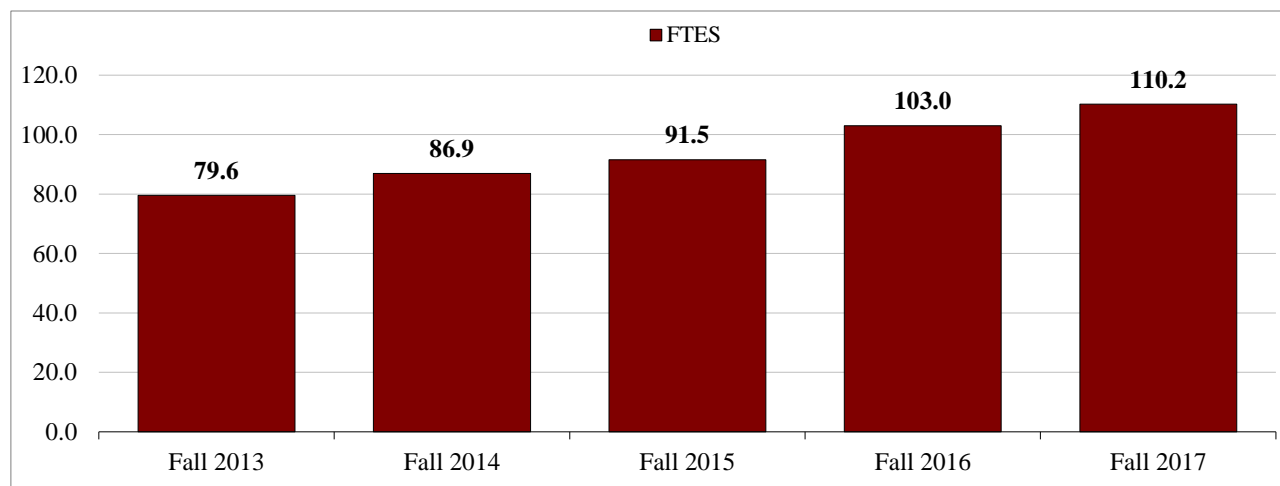
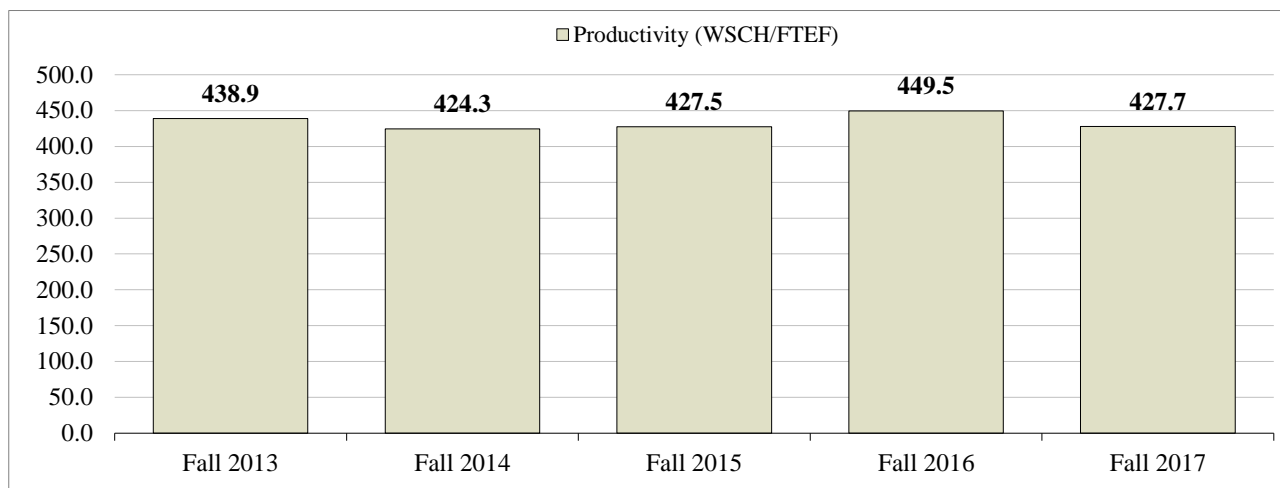
**Course Non-Success Rate** is the percentage of students receiving a grade of ('D', 'F', 'NP or 'T') relative to all students receiving a grade.

**Withdrawals** is the percentage of students receiving a grade notation of 'W' relative to all students receiving a grade.

**Distance Education (DE)** includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'.

## Enrollment Management: Part 1

	Chemistry ( CHEM )				
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
WSCH	2,425	2,652	2,832	3,225	3,379
FTES	79.6	86.9	91.5	103.0	110.2
FTEF	5.5	6.3	6.6	7.2	7.9
Productivity (WSCH/FTEF)	438.9	424.3	427.5	449.5	427.7



### 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.

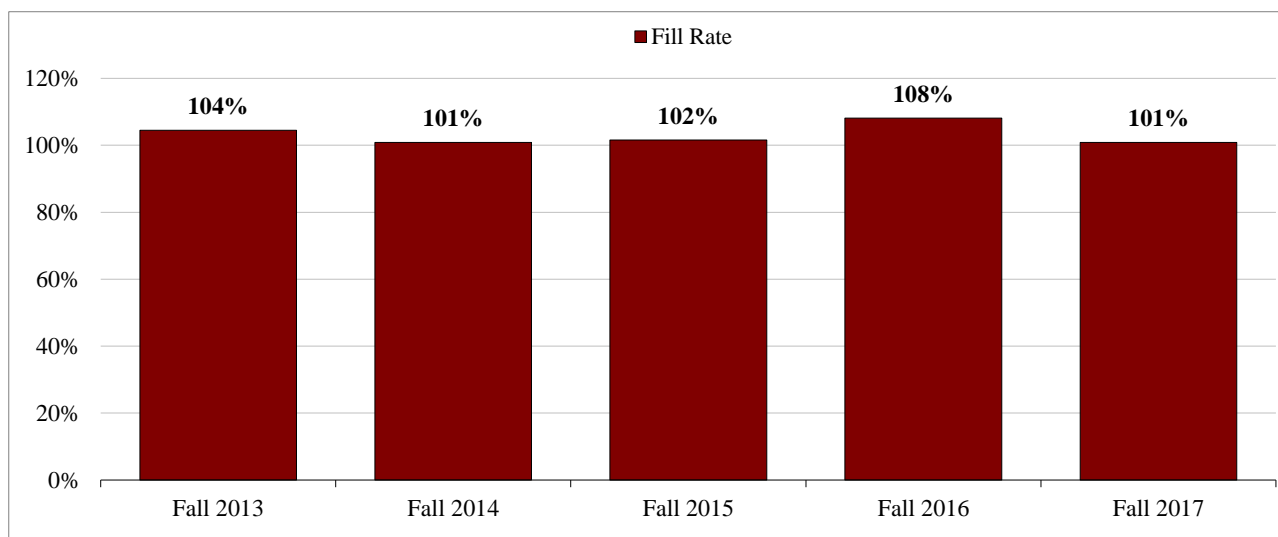
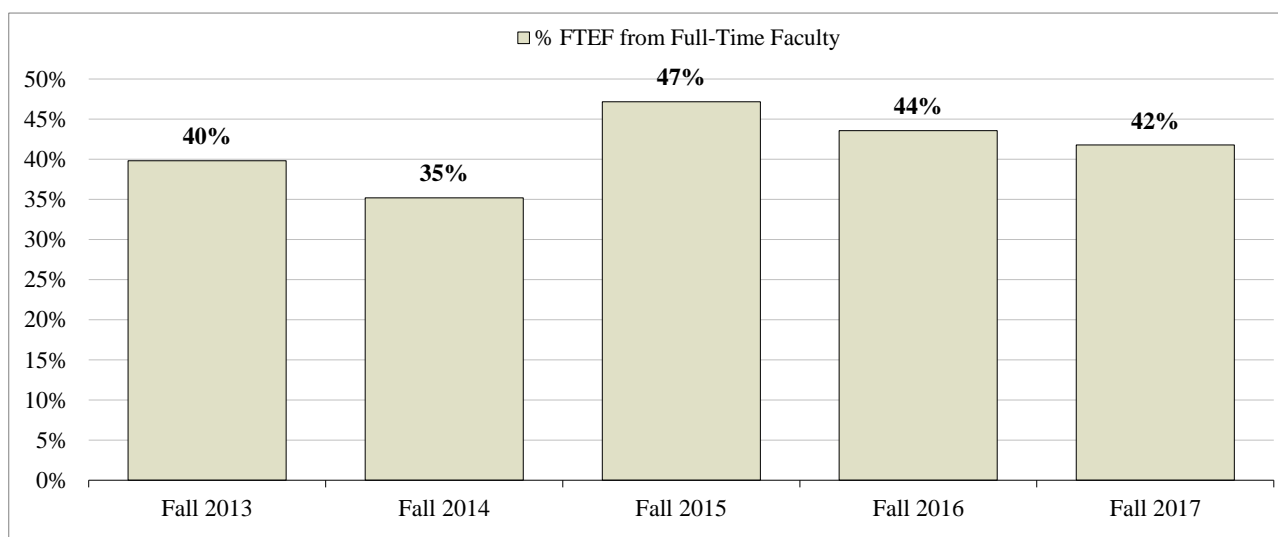
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

**Productivity** is the ratio of WSCH to FTEF and a standard measure of discipline efficiency.

**Note:** Enrollment Management data includes all credit courses accounted for during the respective academic terms; data accessed on 5/15/18.

## Enrollment Management: Part 2

Chemistry ( CHEM )					
	Term				
	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
FTEF from Full-Time Faculty	2.2	2.2	3.1	3.1	3.3
% FTEF from Full-Time Faculty	40%	35%	47%	44%	42%
Enrollments	326	363	386	438	458
Capacity (seats available)	312	360	380	405	454
Fill Rate	104%	101%	102%	108%	101%



### Definitions:

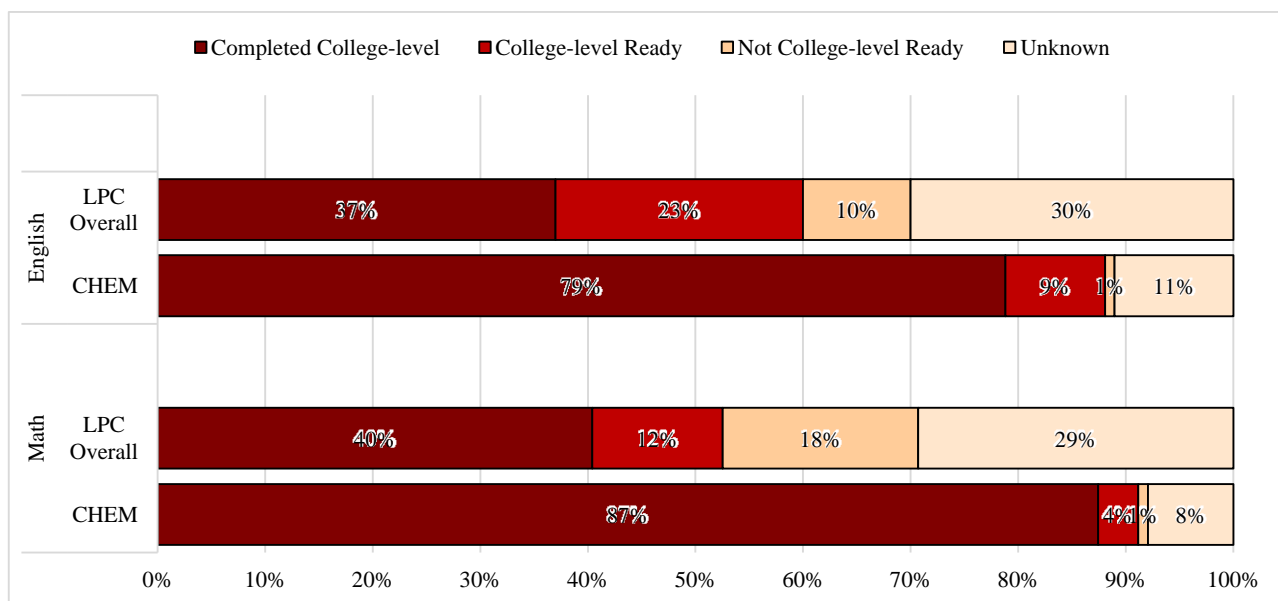
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% 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 includes all credit courses accounted for during the respective academic terms; data accessed on 5/15/18.

## College Readiness: English & Math Proficiency

Fall 2017				
	CHEM		LPC Overall	
	Num	Pct	Num	Pct
<b>College English</b>				
Completed College-level	357	79%	3,485	37%
College-level Ready	42	9%	2,141	23%
Not College-level Ready	4	1%	904	10%
Unknown	50	11%	2,842	30%
<b>College Math</b>				
Completed College-level	396	87%	3,738	40%
College-level Ready	17	4%	1,138	12%
Not College-level Ready	4	1%	1,733	18%
Unknown	36	8%	2,763	29%



### Definitions:

#### College English

**Completed College-level** is defined as successfully completed ENG 1A or higher, or has earned at least an Associates degree.

**College-level Ready** is defined as anyone who is eligible for ENG 1A but has not successfully completed the course.

**Not College-level Ready** is defined as anyone who is not eligible for ENG 1A but has not successfully completed the course.

**Unknown** is defined as anyone with no previous English enrollments within the sequence and no previous English assessment.

#### College Math

**Completed College-level** is defined as successfully completed Math 55 or higher or assessed into Transfer-level Math, or has earned at least an Associates degree.

**College-level Ready** is defined as anyone who is eligible for MATH 55 but has not yet successfully complete the course.

**Not College-level Ready** is defined as anyone who is not eligible for MATH 55 but has not yet successfully complete the course.

**Unknown** is defined as anyone with no previous Math enrollments within the sequence and no previous Math assessment.