



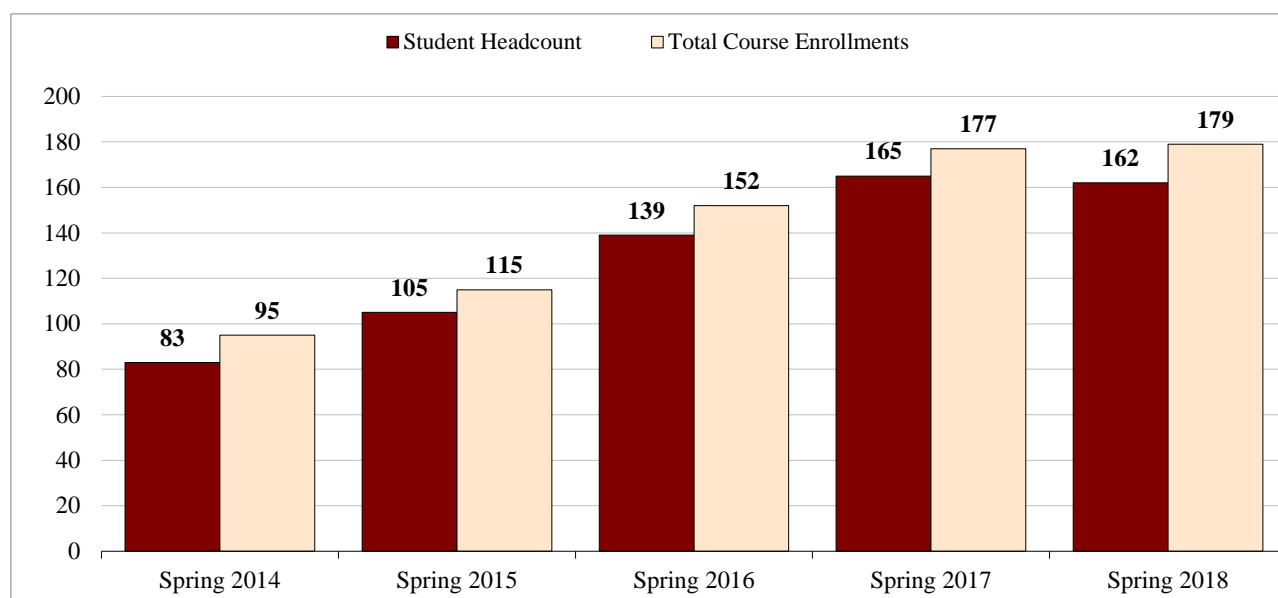
Las Positas College  
**Program Review Discipline Data Packet**  
Spring 2014 to Spring 2018

Discipline:  
**Engineering (ENGR)**

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## Headcount & Enrollment

Engineering ( ENGR )					
	Term				
	Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring 2018
Student Headcount	83	105	139	165	162
Total Course Enrollments	95	115	152	177	179



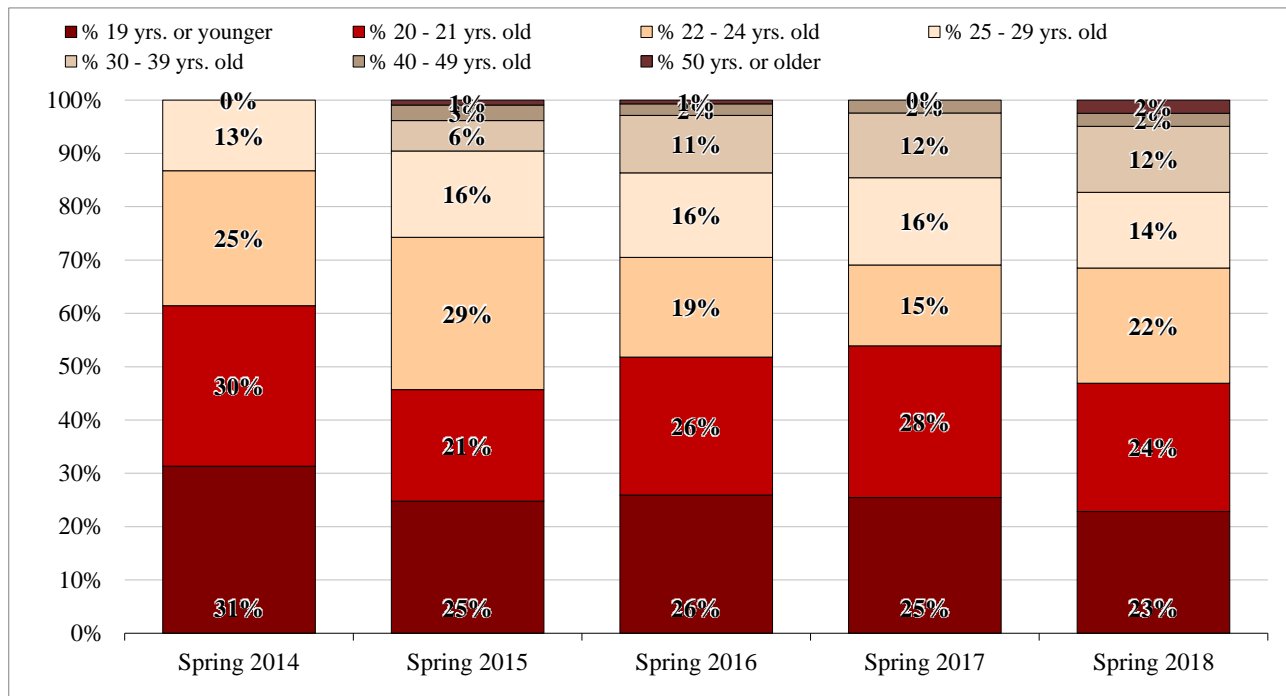
### Definitions:

**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.

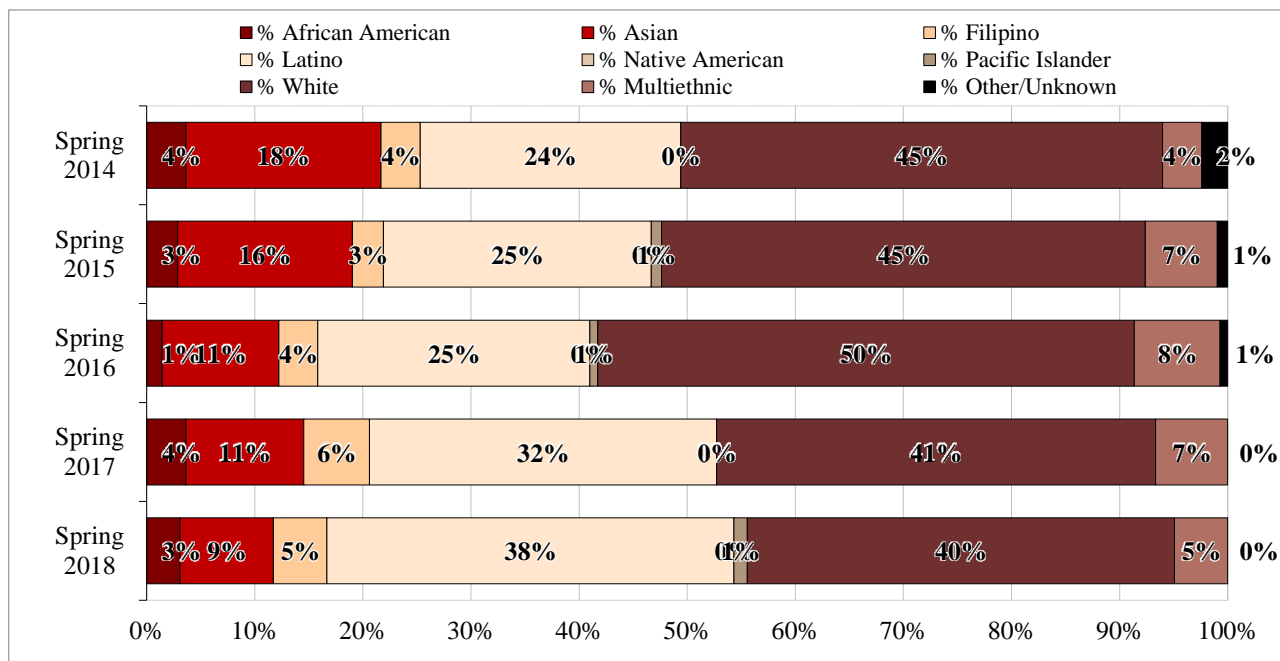
## Student Demographics: Gender & Age

	Engineering ( ENGR )				
	Term				
	Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring 2018
Female	5	9	21	25	25
Male	76	95	116	140	134
19 yrs. or younger	26	26	36	42	37
20-21 yrs. old	25	22	36	47	39
22-24 yrs. old	21	30	26	25	35
25-29 yrs. old	11	17	22	27	23
30-39 yrs. old	0	6	15	20	20
40-49 yrs. old	0	3	3	4	4
50 yrs. or older	0	1	1	0	4
% Female	6%	9%	15%	15%	16%
% Male	94%	91%	85%	85%	84%
% 19 yrs. or younger	31%	25%	26%	25%	23%
% 20 - 21 yrs. old	30%	21%	26%	28%	24%
% 22 - 24 yrs. old	25%	29%	19%	15%	22%
% 25 - 29 yrs. old	13%	16%	16%	16%	14%
% 30 - 39 yrs. old	0%	6%	11%	12%	12%
% 40 - 49 yrs. old	0%	3%	2%	2%	2%
% 50 yrs. or older	0%	1%	1%	0%	2%



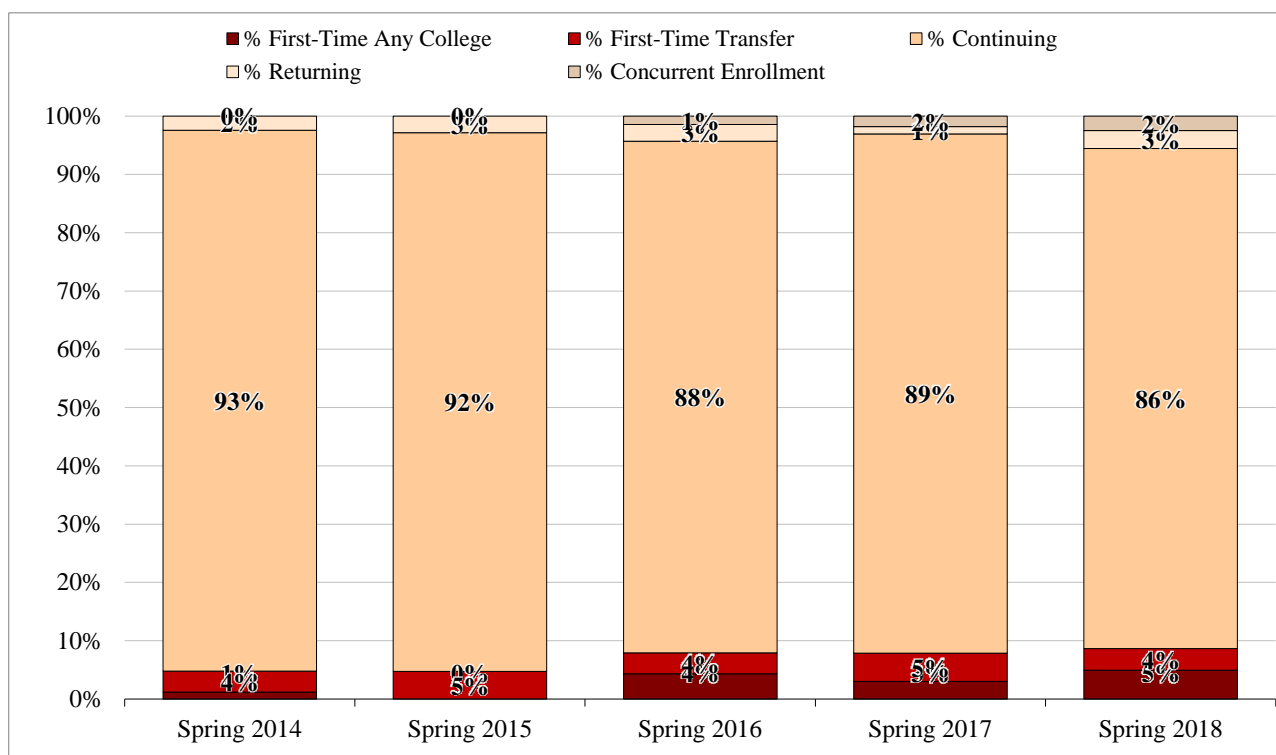
## Student Demographic: Race-Ethnicity

Engineering ( ENGR )					
	Term				
	Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring 2018
African American	3	3	2	6	5
Asian	15	17	15	18	14
Filipino	3	3	5	10	8
Latino	20	26	35	53	61
Native American	0	0	0	0	0
Pacific Islander	0	1	1	0	2
White	37	47	69	67	64
Multiethnic	3	7	11	11	8
Other/Unknown	2	1	1	0	0
% African American	4%	3%	1%	4%	3%
% Asian	18%	16%	11%	11%	9%
% Filipino	4%	3%	4%	6%	5%
% Latino	24%	25%	25%	32%	38%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	0%	1%	1%	0%	1%
% White	45%	45%	50%	41%	40%
% Multiethnic	4%	7%	8%	7%	5%
% Other/Unknown	2%	1%	1%	0%	0%



## Student Enrollment Status

Engineering ( ENGR )					
	Term				
	Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring 2018
First-Time Any College	1	0	6	5	8
First-Time Transfer	3	5	5	8	6
Continuing	77	97	122	147	139
Returning	2	3	4	2	5
Concurrent Enrollment	0	0	2	3	4
% First-Time Any College	1%	0%	4%	3%	5%
% First-Time Transfer	4%	5%	4%	5%	4%
% Continuing	93%	92%	88%	89%	86%
% Returning	2%	3%	3%	1%	3%
% Concurrent Enrollment	0%	0%	1%	2%	2%



### 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.

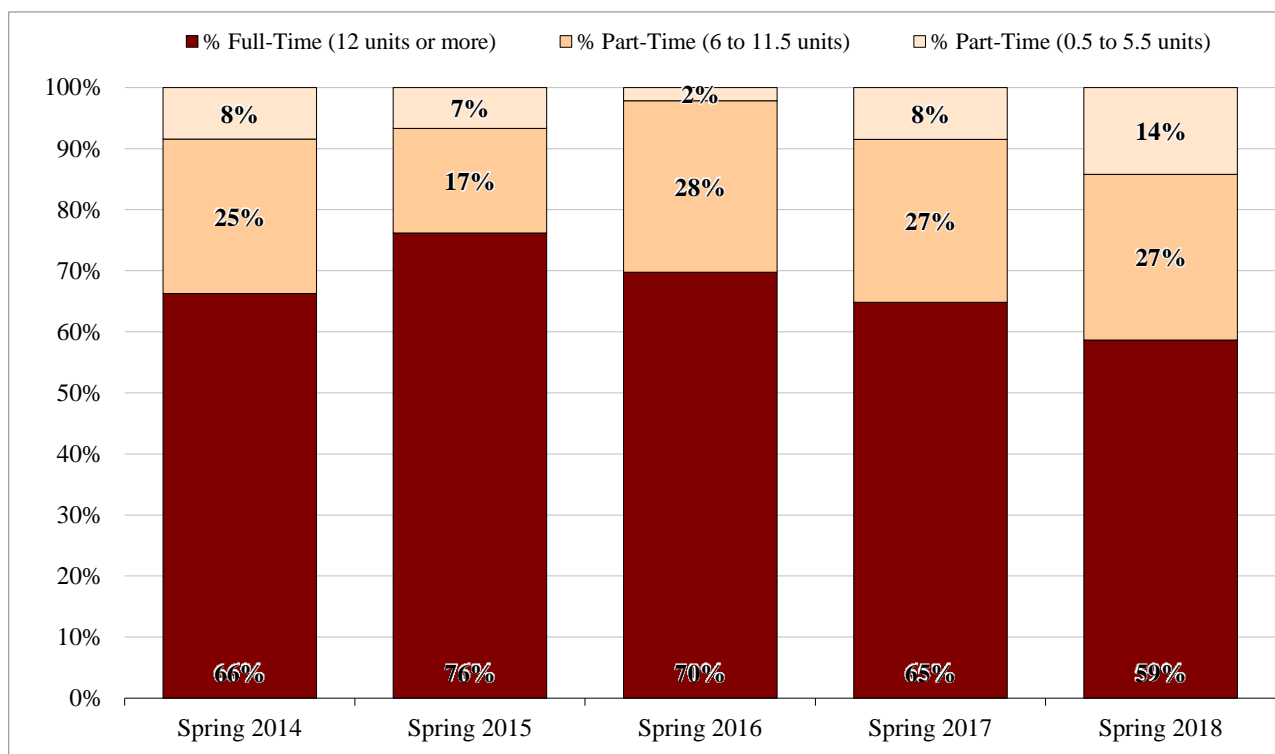
**Continuing:** Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

**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.

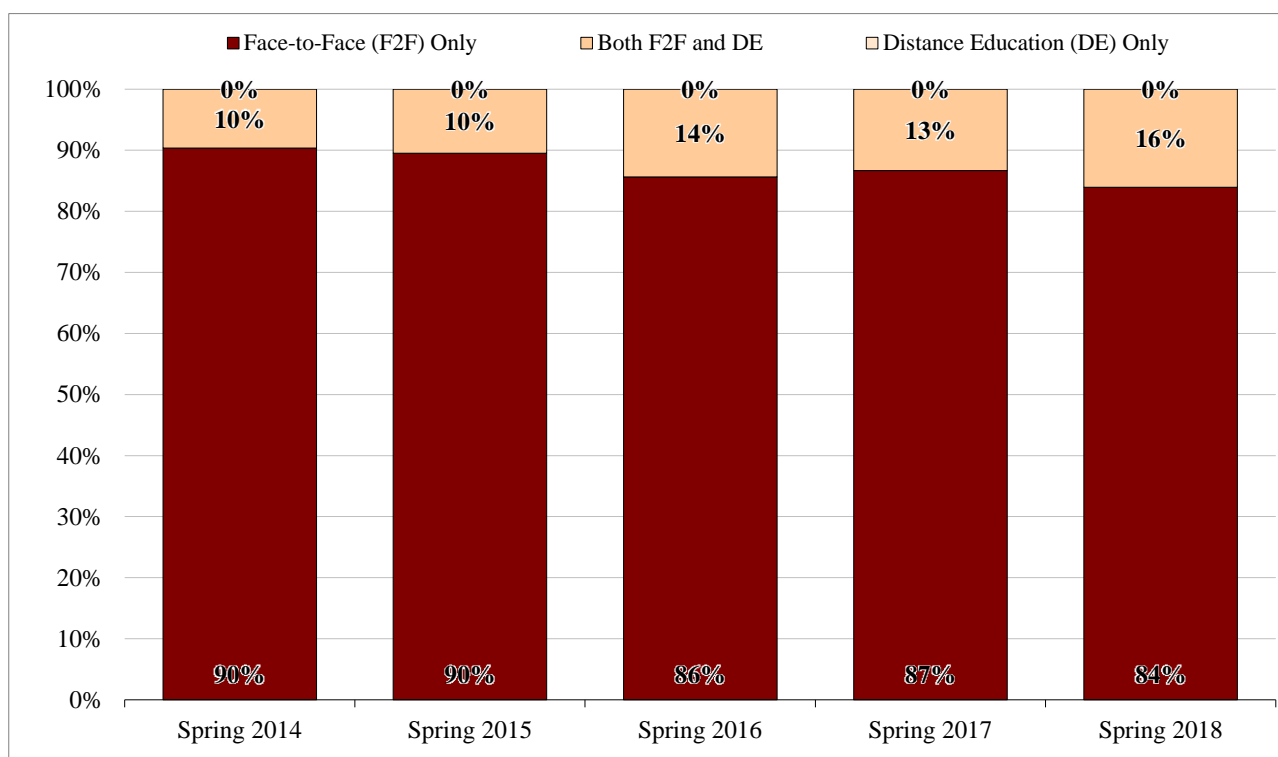
## Student Unit Load

Engineering ( ENGR )					
	Term				
	Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring 2018
Full-Time (12 units or more)	55	80	97	107	95
Part-Time (6 to 11.5 units)	21	18	39	44	44
Part-Time (0.5 to 5.5 units)	7	7	3	14	23
% Full-Time (12 units or more)	66%	76%	70%	65%	59%
% Part-Time (6 to 11.5 units)	25%	17%	28%	27%	27%
% Part-Time (0.5 to 5.5 units)	8%	7%	2%	8%	14%



## Students Using Distance Education

Engineering ( ENGR )					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring 2018
Face-to-Face (F2F) Only	75	94	119	143	136
Both F2F and DE	8	11	20	22	26
Distance Education (DE) Only	0	0	0	0	0
% Face-to-Face (F2F) Only	90%	90%	86%	87%	84%
% Both F2F and DE	10%	10%	14%	13%	16%
% Distance Education (DE) Only	0%	0%	0%	0%	0%

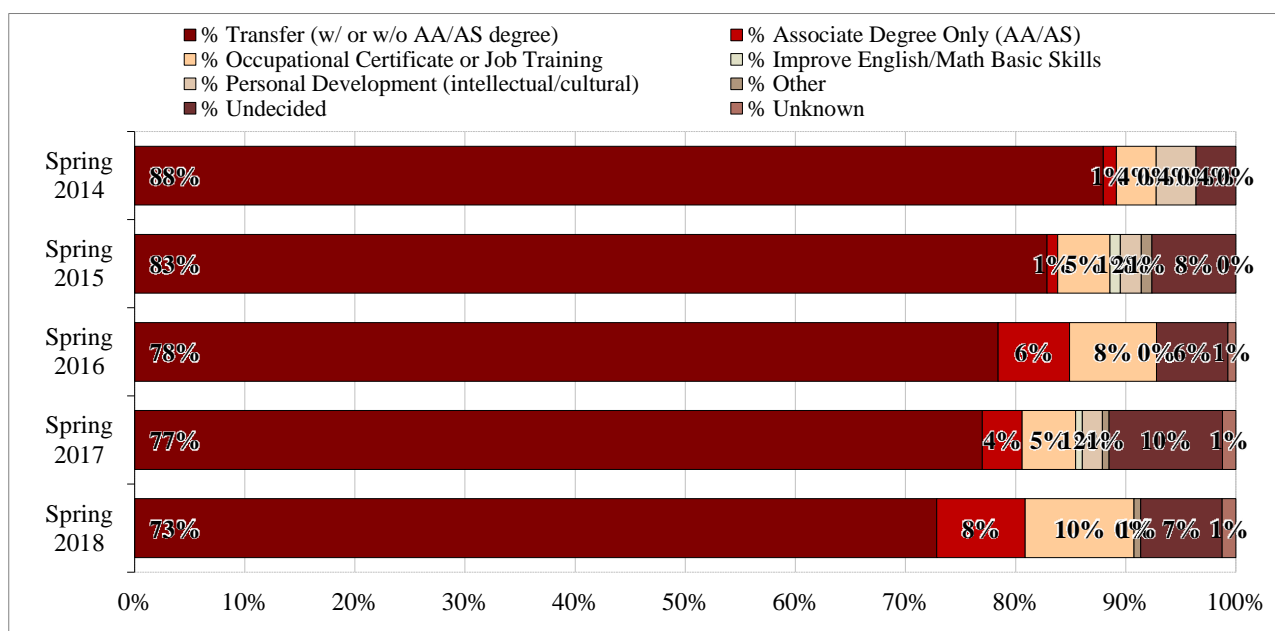


**Definitions:**

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

## Student Educational Goal

Engineering ( ENGR )					
	Term				
	Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring 2018
Transfer (w/ or w/o AA/AS degree)	73	87	109	127	118
Associate Degree Only (AA/AS)	1	1	9	6	13
Occupational Certificate or Job Training	3	5	11	8	16
Improve English/Math Basic Skills	0	1	0	1	0
Personal Development (intellectual/cultural)	3	2	0	3	0
Other	0	1	0	1	1
Undecided	3	8	9	17	12
Unknown	0	0	1	2	2
% Transfer (w/ or w/o AA/AS degree)	88%	83%	78%	77%	73%
% Associate Degree Only (AA/AS)	1%	1%	6%	4%	8%
% Occupational Certificate or Job Training	4%	5%	8%	5%	10%
% Improve English/Math Basic Skills	0%	1%	0%	1%	0%
% Personal Development (intellectual/cultural)	4%	2%	0%	2%	0%
% Other	0%	1%	0%	1%	1%
% Undecided	4%	8%	6%	10%	7%
% Unknown	0%	0%	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.

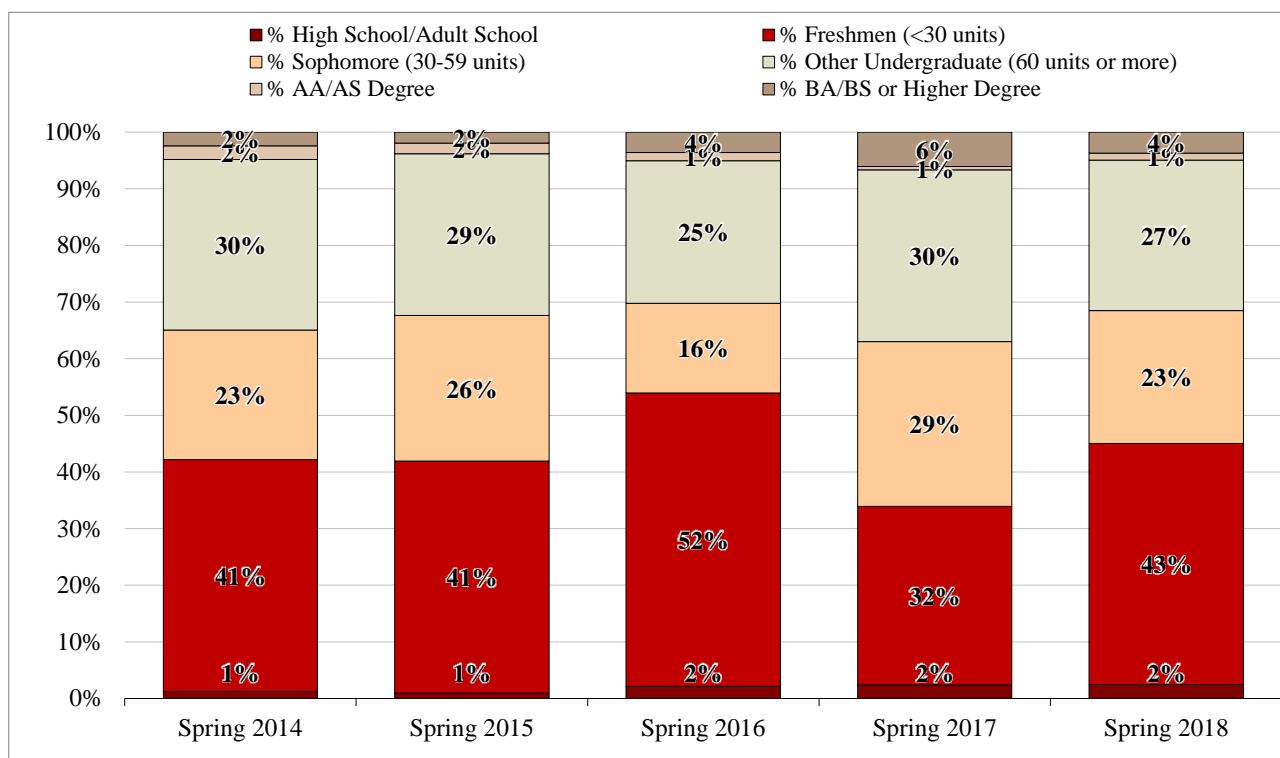
**Personal Development:** Students taking courses for intellectual and/or cultural development.

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



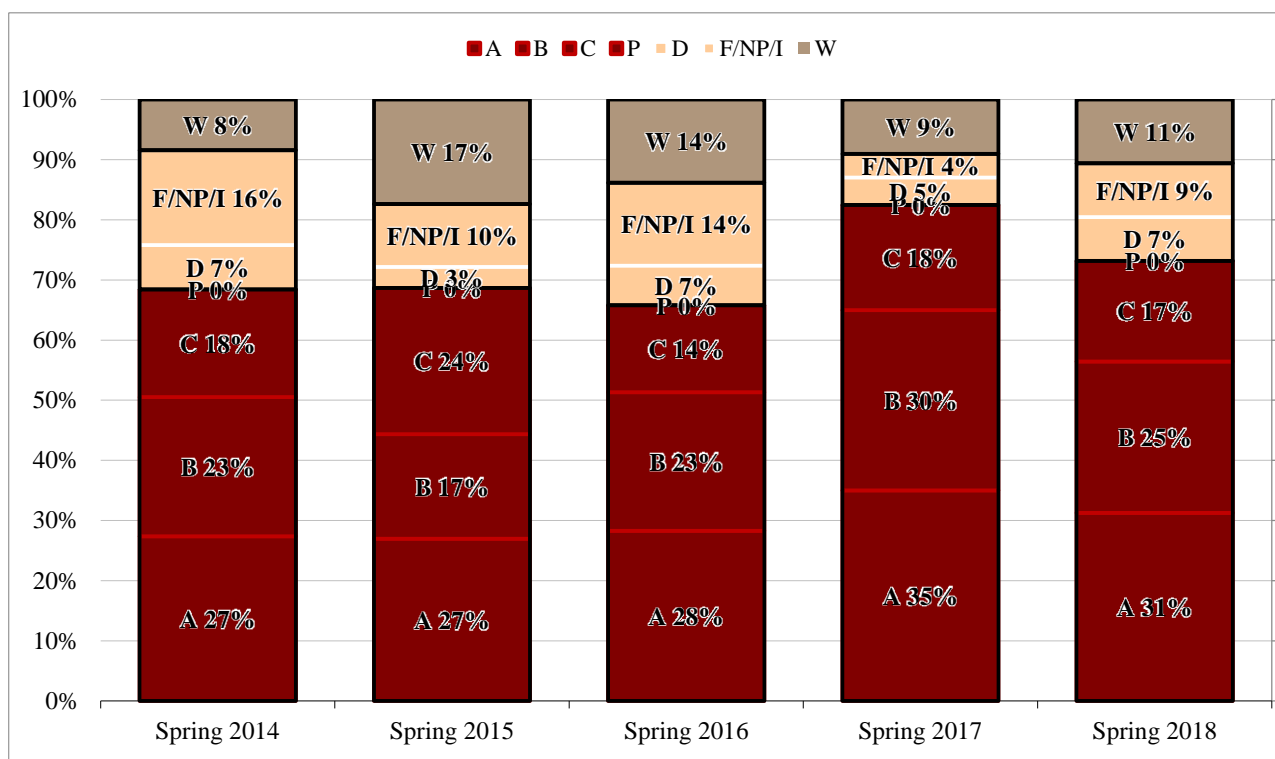
## Highest Educational Level of Students

Engineering ( ENGR )					
	Term				
	Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring 2018
High School/Adult School	1	1	3	4	4
Freshmen (<30 units)	34	43	72	52	69
Sophomore (30-59 units)	19	27	22	48	38
Other Undergraduate (60 units or more)	25	30	35	50	43
AA/AS Degree	2	2	2	1	2
BA/BS or Higher Degree	2	2	5	10	6
% High School/Adult School	1%	1%	2%	2%	2%
% Freshmen (<30 units)	41%	41%	52%	32%	43%
% Sophomore (30-59 units)	23%	26%	16%	29%	23%
% Other Undergraduate (60 units or more)	30%	29%	25%	30%	27%
% AA/AS Degree	2%	2%	1%	1%	1%
% BA/BS or Higher Degree	2%	2%	4%	6%	4%



## Student Performance: Grade Distribution

Engineering ( ENGR )					
	Term				
	Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring 2018
<b>Total Course Enrollments</b>	<b>95</b>	<b>115</b>	<b>152</b>	<b>177</b>	<b>179</b>
<b>Course Success Rates</b>	<b>68%</b>	<b>69%</b>	<b>66%</b>	<b>82%</b>	<b>73%</b>
A	27%	27%	28%	35%	31%
B	23%	17%	23%	30%	25%
C	18%	24%	14%	18%	17%
P	0%	0%	0%	0%	0%
<b>Course Non-Success Rate</b>	<b>23%</b>	<b>14%</b>	<b>20%</b>	<b>8%</b>	<b>16%</b>
D	7%	3%	7%	5%	7%
F/NP/I	16%	10%	14%	4%	9%
<b>Withdrawals (W)</b>	<b>8%</b>	<b>17%</b>	<b>14%</b>	<b>9%</b>	<b>11%</b>



### Definitions:

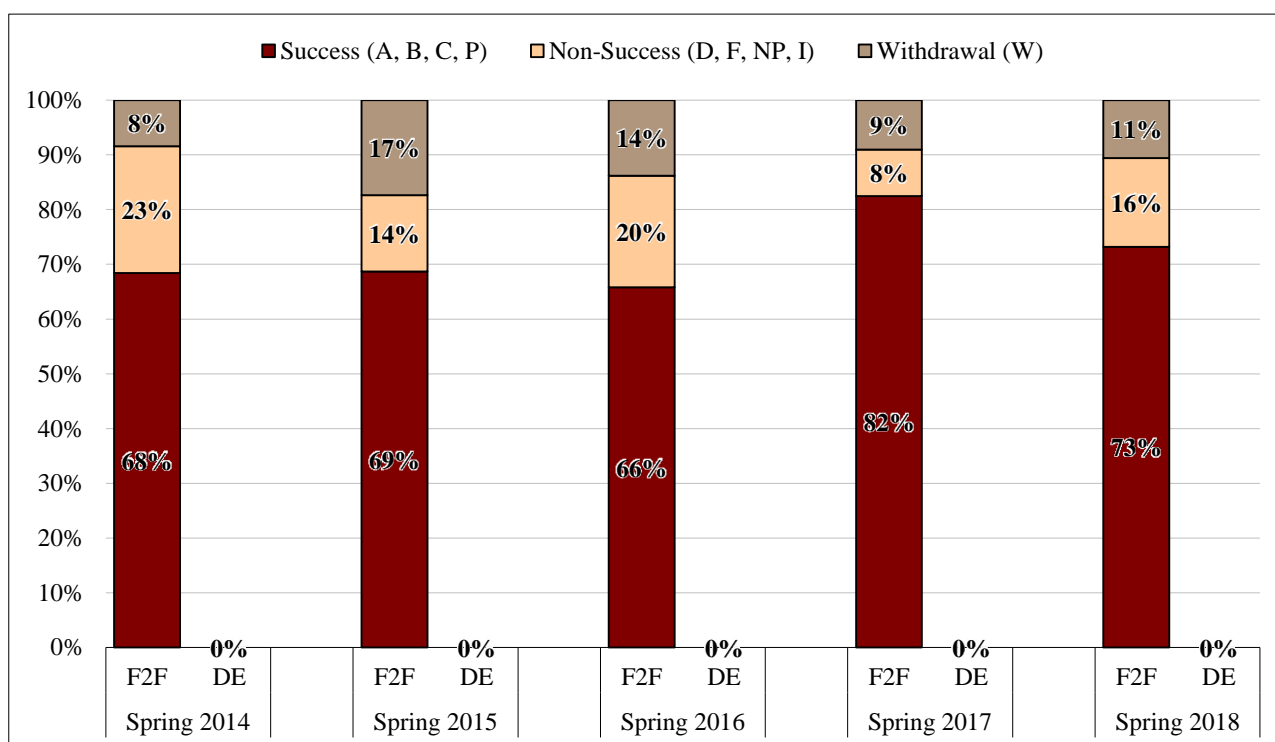
**Course Success Rate** is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

**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

Engineering ( ENGR )					
	Term				
	Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring 2018
<b>Total Course Enrollments</b>	<b>95</b>	<b>115</b>	<b>152</b>	<b>177</b>	<b>179</b>
<b>Face-to-Face (F2F) Sections</b>	<b>95</b>	<b>115</b>	<b>152</b>	<b>177</b>	<b>179</b>
Success Rates	68%	69%	66%	82%	73%
Non-Success Rates	23%	14%	20%	8%	16%
Withdrawals	8%	17%	14%	9%	11%
<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.

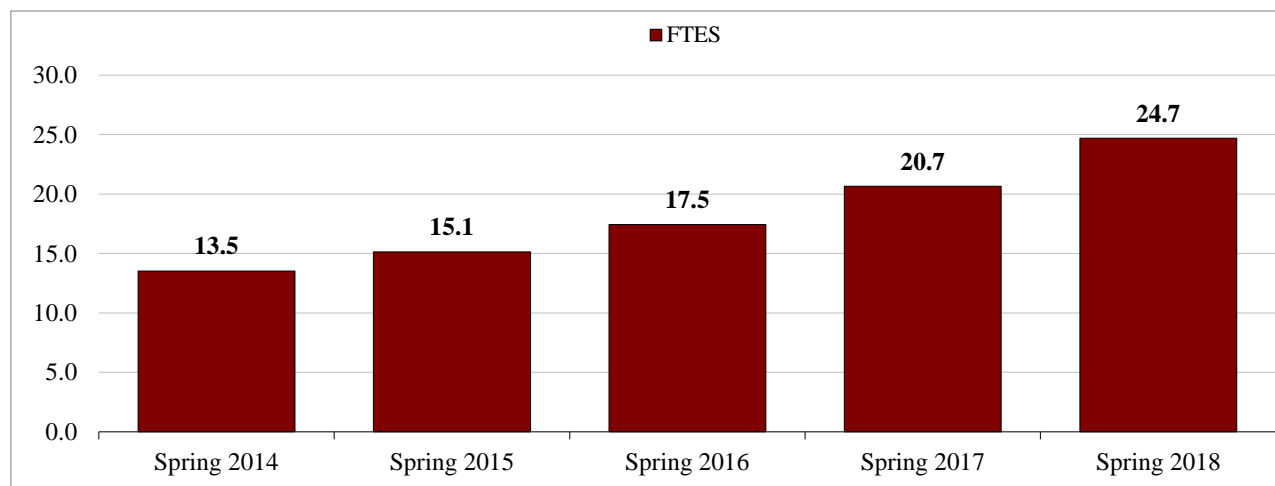
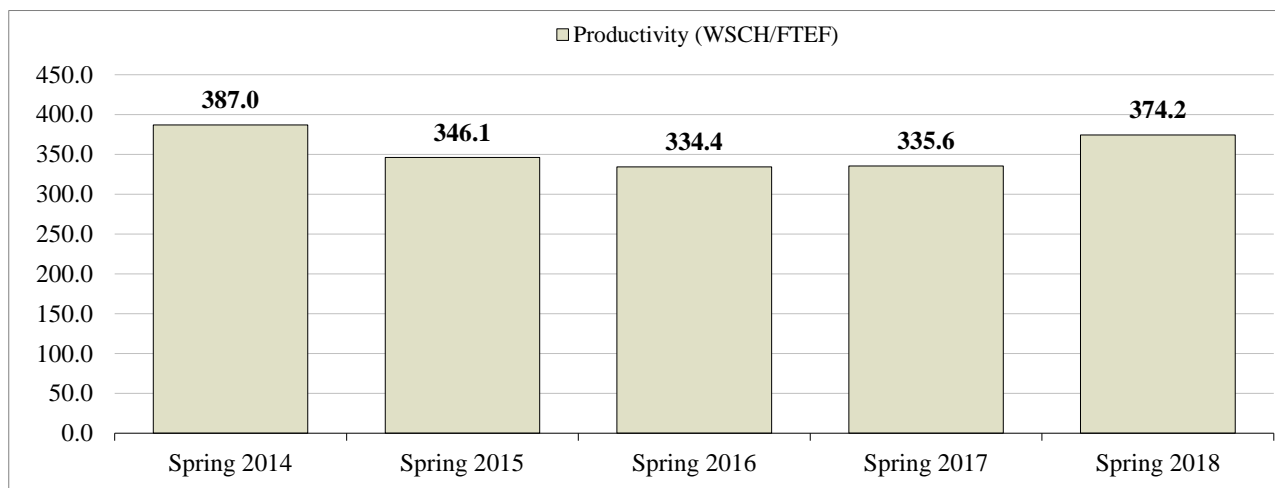
**Course Non-Success Rate** is the percentage of students receiving a grade of ('D', 'F', 'NP' or 'T') relative to all students receiving a grade.

**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

	Engineering ( ENGR )				
	Term				
	Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring 2018
WSCH	406	461	540	637	760
FTEF	13.5	15.1	17.5	20.7	24.7
Productivity (WSCH/FTEF)	387.0	346.1	334.4	335.6	374.2



### Definitions:

**WSCH** is the total Weekly Student Contact Hours resulting from all enrollment within the discipline.

**FTEF** is the total Full Time Equivalent Student value resulting from all enrollment within the discipline.

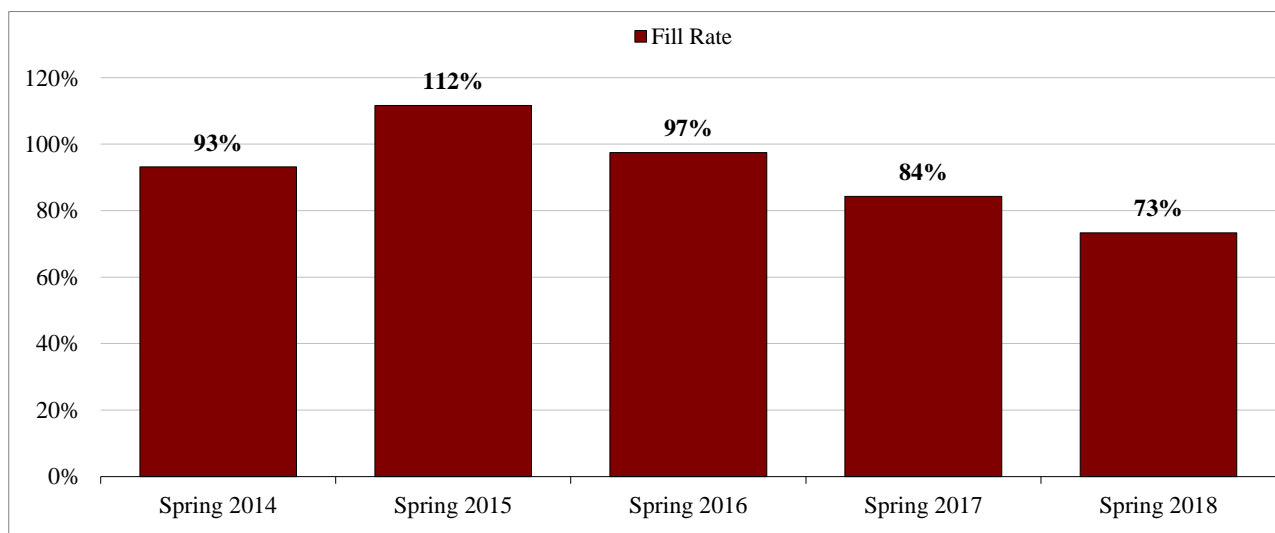
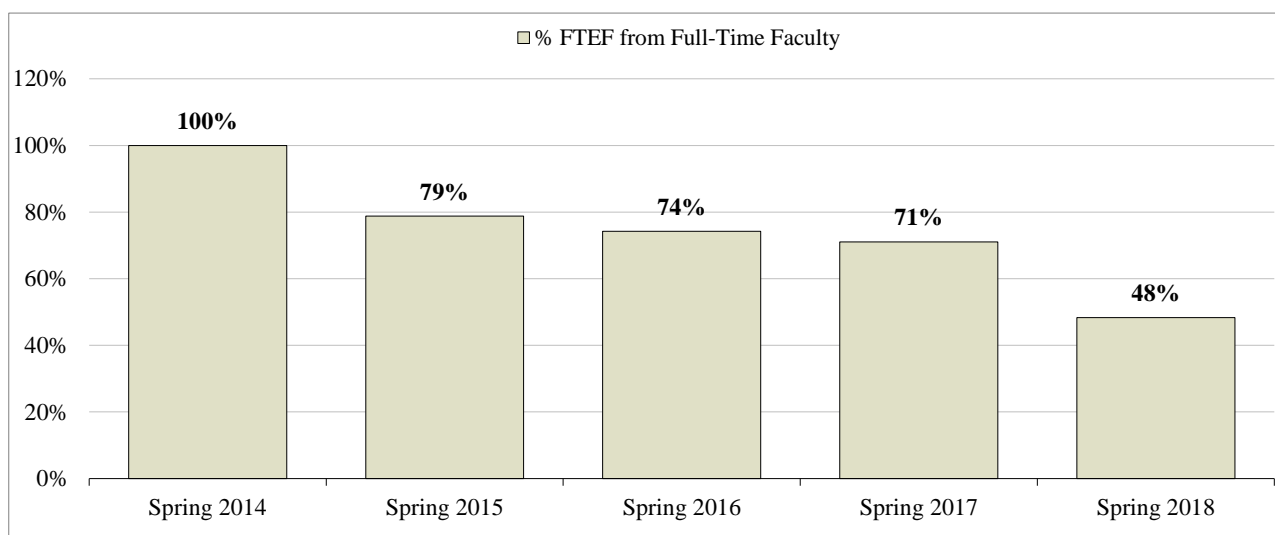
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

**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

Engineering ( ENGR )					
	Term				
	Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring 2018
FTEF from Full-Time Faculty	1.0	1.0	1.2	1.3	1.0
% FTEF from Full-Time Faculty	100%	79%	74%	71%	48%
Enrollments	95	115	152	177	179
Capacity (seats available)	102	103	156	210	244
Fill Rate	93%	112%	97%	84%	73%



### Definitions:

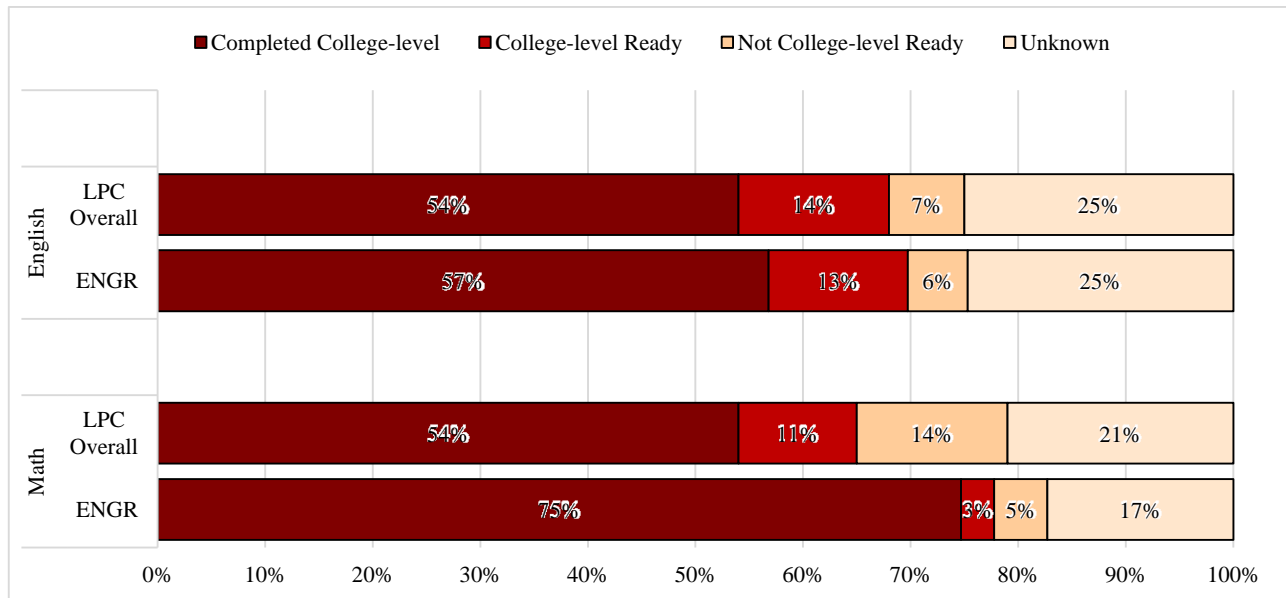
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% 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

Spring 2018				
	ENGR		LPC Overall	
	Num	Pct	Num	Pct
<b>College English</b>				
Completed College-level	92	57%	4,955	54%
College-level Ready	21	11%	1,319	14%
Not College-level Ready	9	5%	619	7%
Unknown	40	23%	2,260	25%
<b>College Math</b>				
Completed College-level	121	75%	4,980	54%
College-level Ready	5	3%	974	11%
Not College-level Ready	8	5%	1,239	14%
Unknown	28	17%	1,960	21%



### 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.