



Las Positas College

**Program Review Discipline Data Packet**

Fall 2014 to Fall 2018

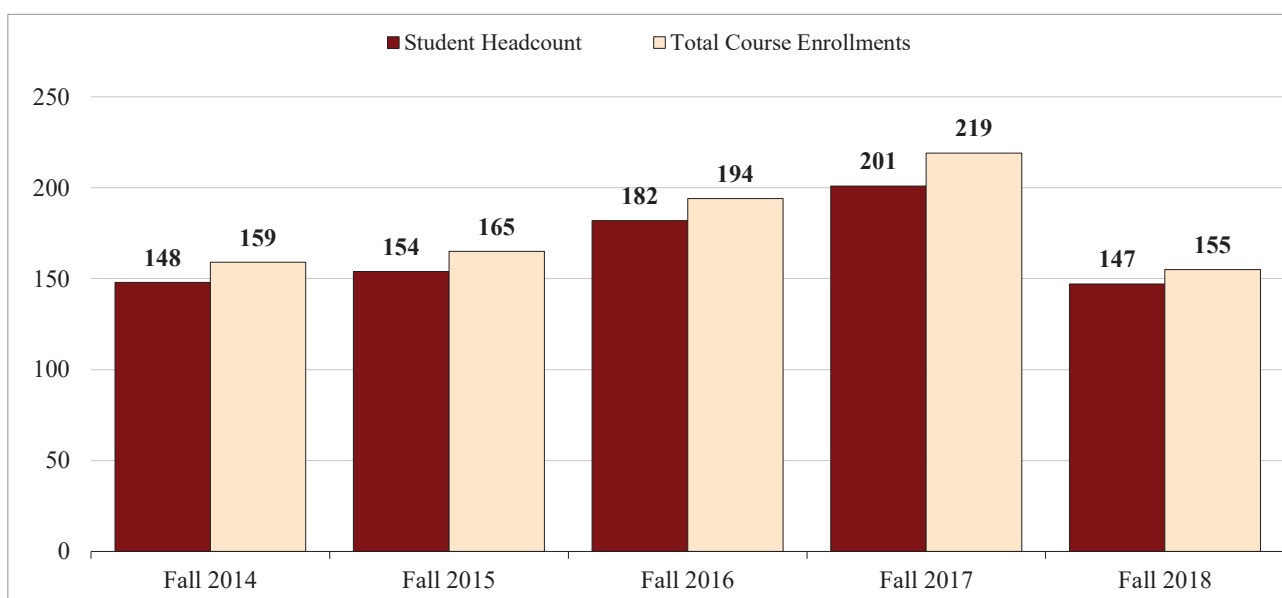
Discipline:

**Astronomy (ASTR)**

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## Headcount & Enrollment

	Astronomy ( ASTR )				
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Student Headcount	148	154	182	201	147
Total Course Enrollments	159	165	194	219	155



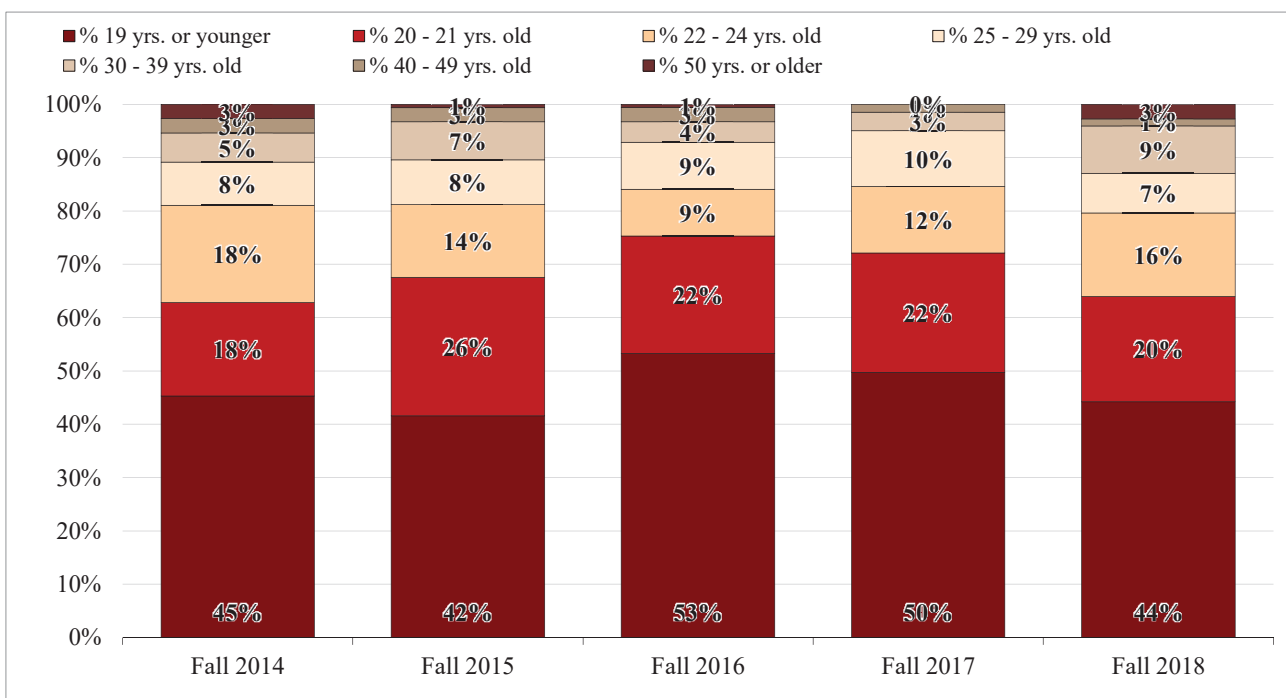
### Definitions:

**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.

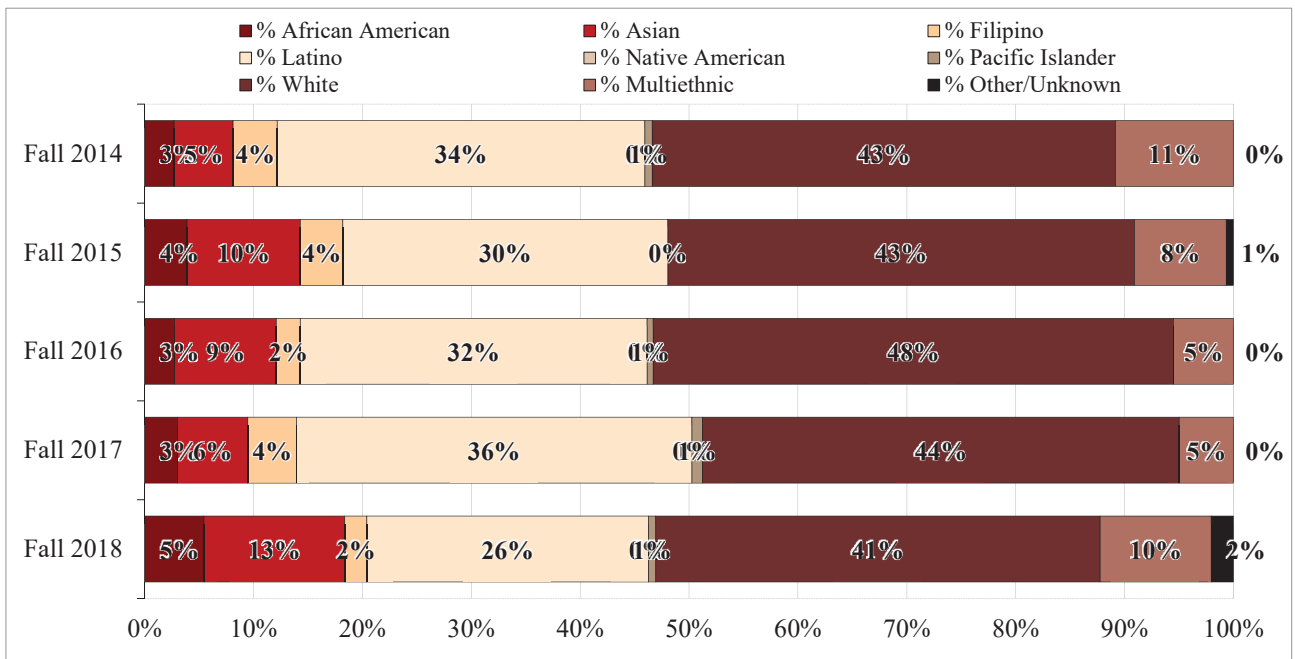
## Student Demographics: Gender & Age

Astronomy ( ASTR )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Female	74	67	67	98	69
Male	71	84	112	99	77
19 yrs. or younger	67	64	97	100	65
20-21 yrs. old	26	40	40	45	29
22-24 yrs. old	27	21	16	25	23
25-29 yrs. old	12	13	16	21	11
30-39 yrs. old	8	11	7	7	13
40-49 yrs. old	4	4	5	3	2
50 yrs. or older	4	1	1	0	4
% Female	51%	44%	37%	50%	47%
% Male	49%	56%	63%	50%	53%
% 19 yrs. or younger	45%	42%	53%	50%	44%
% 20 - 21 yrs. old	18%	26%	22%	22%	20%
% 22 - 24 yrs. old	18%	14%	9%	12%	16%
% 25 - 29 yrs. old	8%	8%	9%	10%	7%
% 30 - 39 yrs. old	5%	7%	4%	3%	9%
% 40 - 49 yrs. old	3%	3%	3%	1%	1%
% 50 yrs. or older	3%	1%	1%	0%	3%



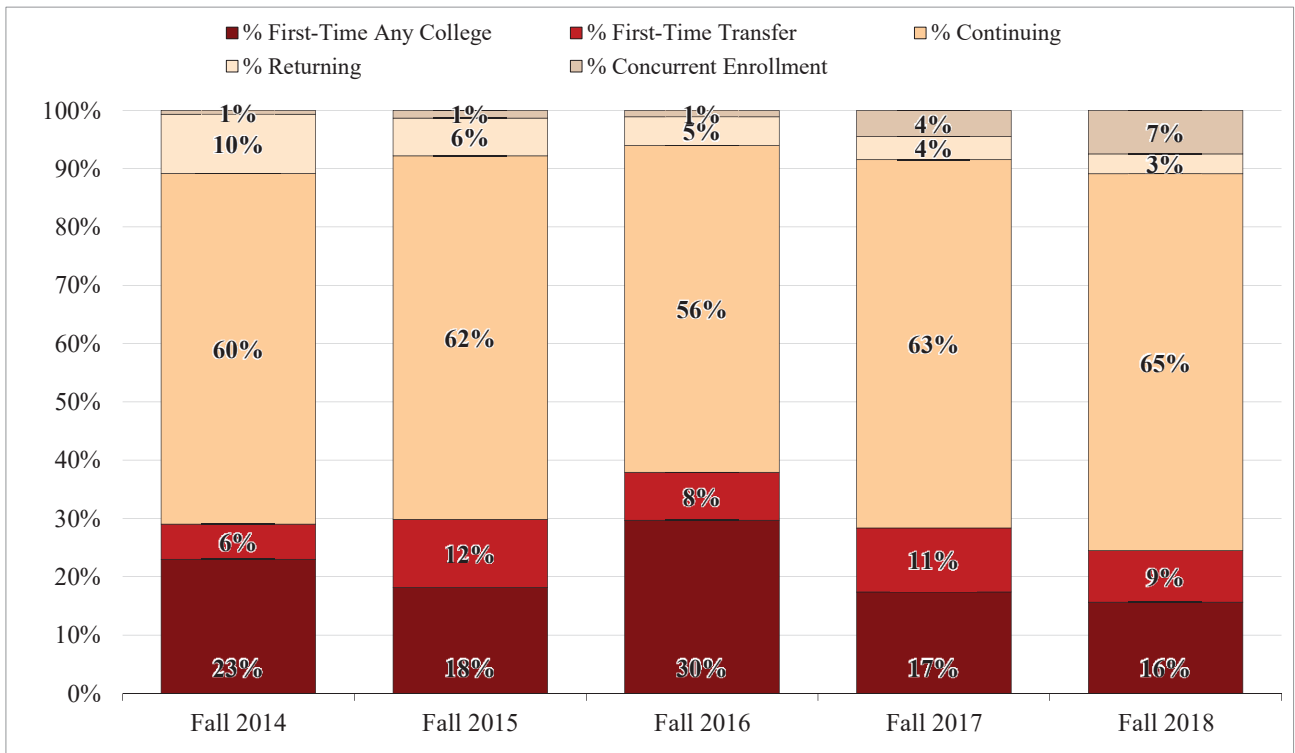
### Student Demographic: Race-Ethnicity

Astronomy ( ASTR )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
African American	4	6	5	6	8
Asian	8	16	17	13	19
Filipino	6	6	4	9	3
Latino	50	46	58	73	38
Native American	0	0	0	0	0
Pacific Islander	1	0	1	2	1
White	63	66	87	88	60
Multiethnic	16	13	10	10	15
Other/Unknown	0	1	0	0	3
% African American	3%	4%	3%	3%	5%
% Asian	5%	10%	9%	6%	13%
% Filipino	4%	4%	2%	4%	2%
% Latino	34%	30%	32%	36%	26%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	1%	0%	1%	1%	1%
% White	43%	43%	48%	44%	41%
% Multiethnic	11%	8%	5%	5%	10%
% Other/Unknown	0%	1%	0%	0%	2%



## Student Enrollment Status

Astronomy ( ASTR )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
First-Time Any College	34	28	54	35	23
First-Time Transfer	9	18	15	22	13
Continuing	89	96	102	127	95
Returning	15	10	9	8	5
Concurrent Enrollment	1	2	2	9	11
% First-Time Any College	23%	18%	30%	17%	16%
% First-Time Transfer	6%	12%	8%	11%	9%
% Continuing	60%	62%	56%	63%	65%
% Returning	10%	6%	5%	4%	3%
% Concurrent Enrollment	1%	1%	1%	4%	7%



### 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.

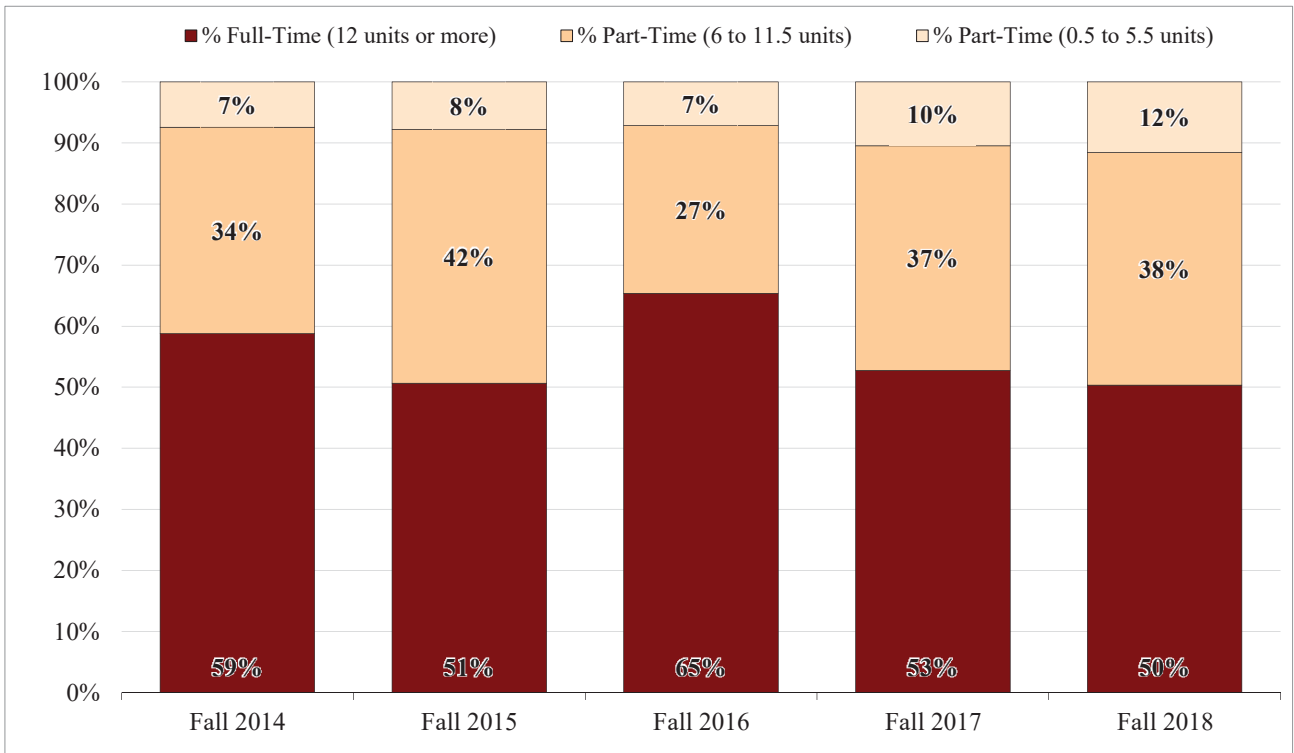
**Continuing:** Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

**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.

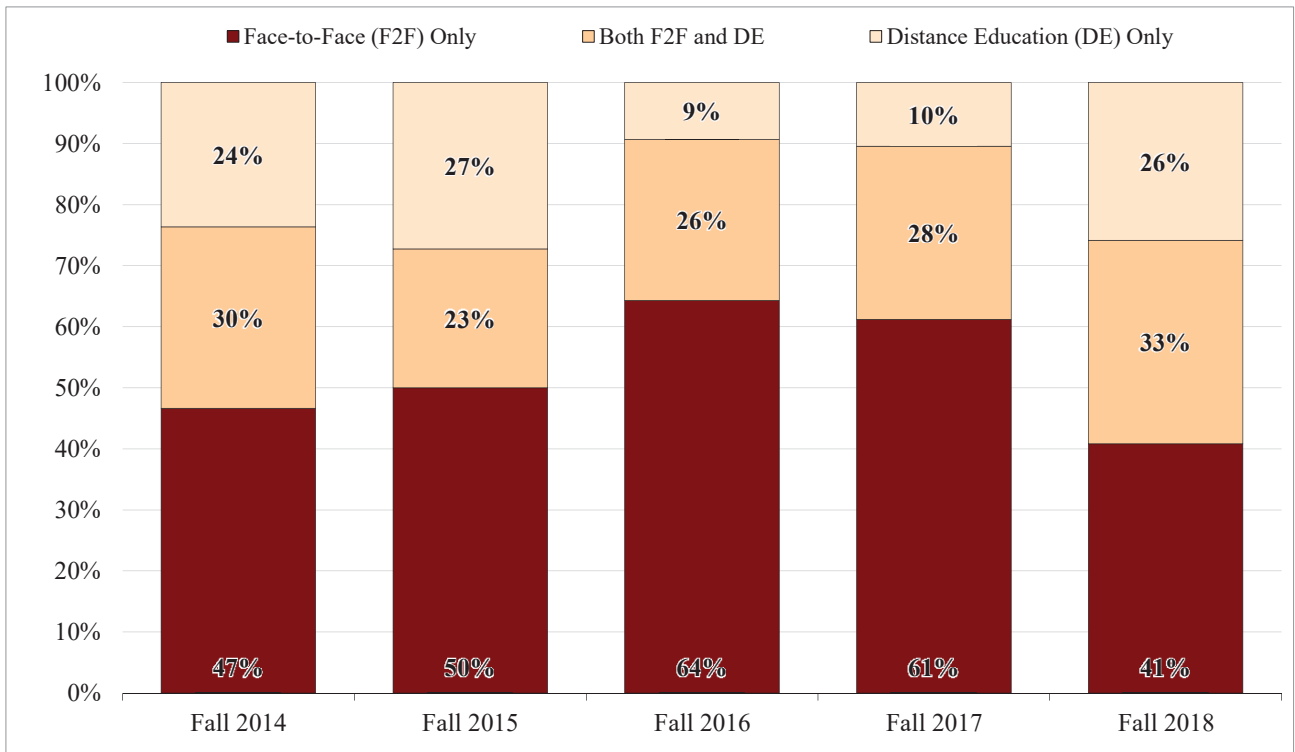
### Student Unit Load

Astronomy ( ASTR )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Full-Time (12 units or more)	87	78	119	106	74
Part-Time (6 to 11.5 units)	50	64	50	74	56
Part-Time (0.5 to 5.5 units)	11	12	13	21	17
% Full-Time (12 units or more)	59%	51%	65%	53%	50%
% Part-Time (6 to 11.5 units)	34%	42%	27%	37%	38%
% Part-Time (0.5 to 5.5 units)	7%	8%	7%	10%	12%



## Students Using Distance Education

Astronomy ( ASTR )					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Face-to-Face (F2F) Only	69	77	117	123	60
Both F2F and DE	44	35	48	57	49
Distance Education (DE) Only	35	42	17	21	38
% Face-to-Face (F2F) Only	47%	50%	64%	61%	41%
% Both F2F and DE	30%	23%	26%	28%	33%
% Distance Education (DE) Only	24%	27%	9%	10%	26%

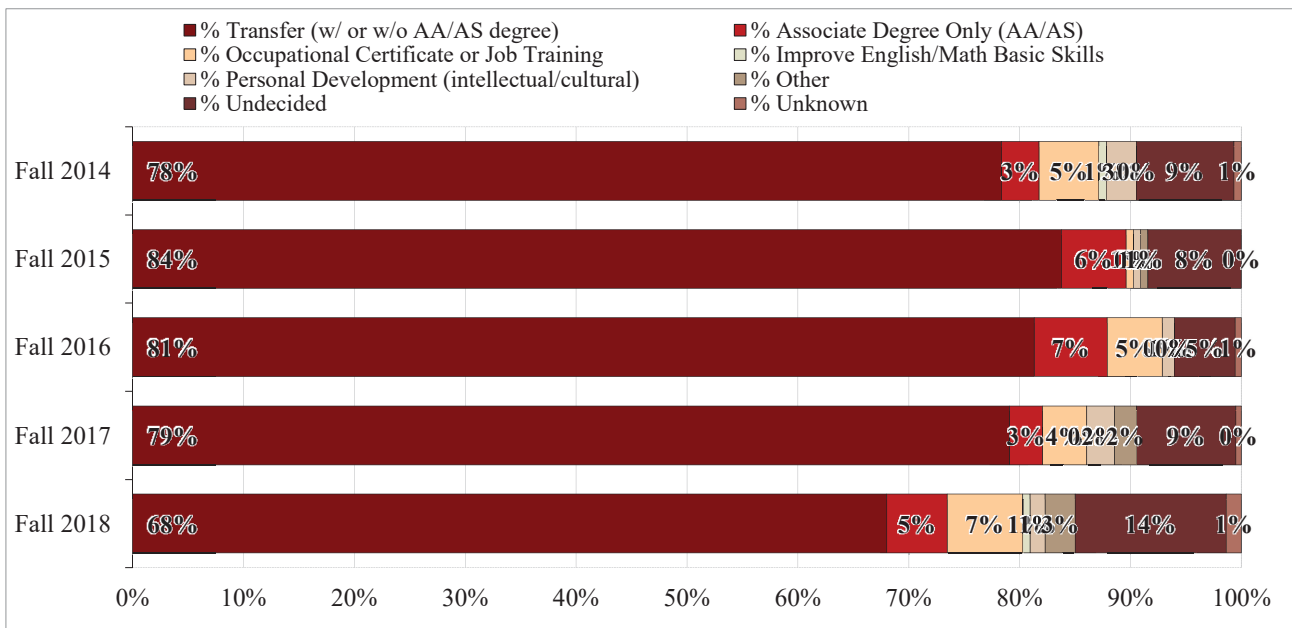


### Definitions:

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

## Student Educational Goal

Astronomy ( ASTR )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
Transfer (w/ or w/o AA/AS degree)	116	129	148	159	100
Associate Degree Only (AA/AS)	5	9	12	6	8
Occupational Certificate or Job Training	8	1	9	8	10
Improve English/Math Basic Skills	1	0	0	0	1
Personal Development (intellectual/cultural)	4	1	2	5	2
Other	0	1	0	4	4
Undecided	13	13	10	18	20
Unknown	1	0	1	1	2
% Transfer (w/ or w/o AA/AS degree)	78%	84%	81%	79%	68%
% Associate Degree Only (AA/AS)	3%	6%	7%	3%	5%
% Occupational Certificate or Job Training	5%	1%	5%	4%	7%
% Improve English/Math Basic Skills	1%	0%	0%	0%	1%
% Personal Development (intellectual/cultural)	3%	1%	1%	2%	1%
% Other	0%	1%	0%	2%	3%
% Undecided	9%	8%	5%	9%	14%
% Unknown	1%	0%	1%	0%	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.

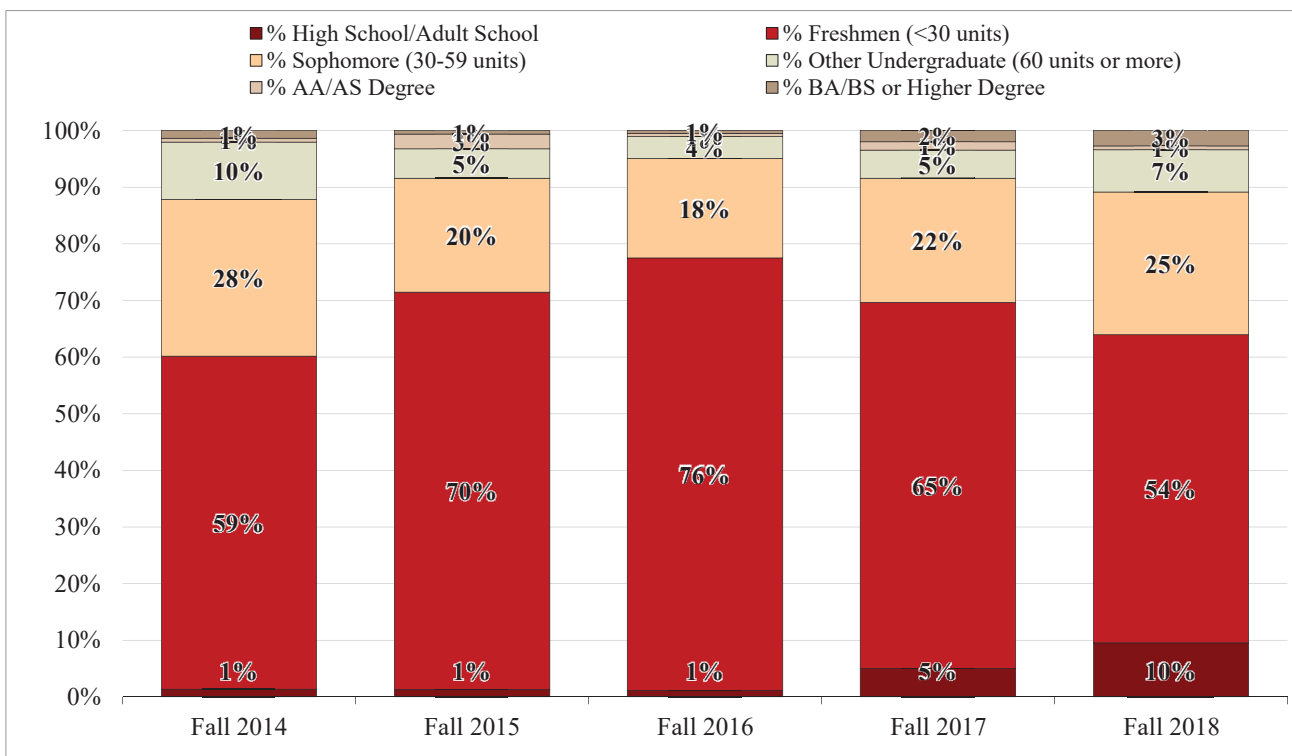
**Personal Development:** Students taking courses for intellectual and/or cultural development.

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



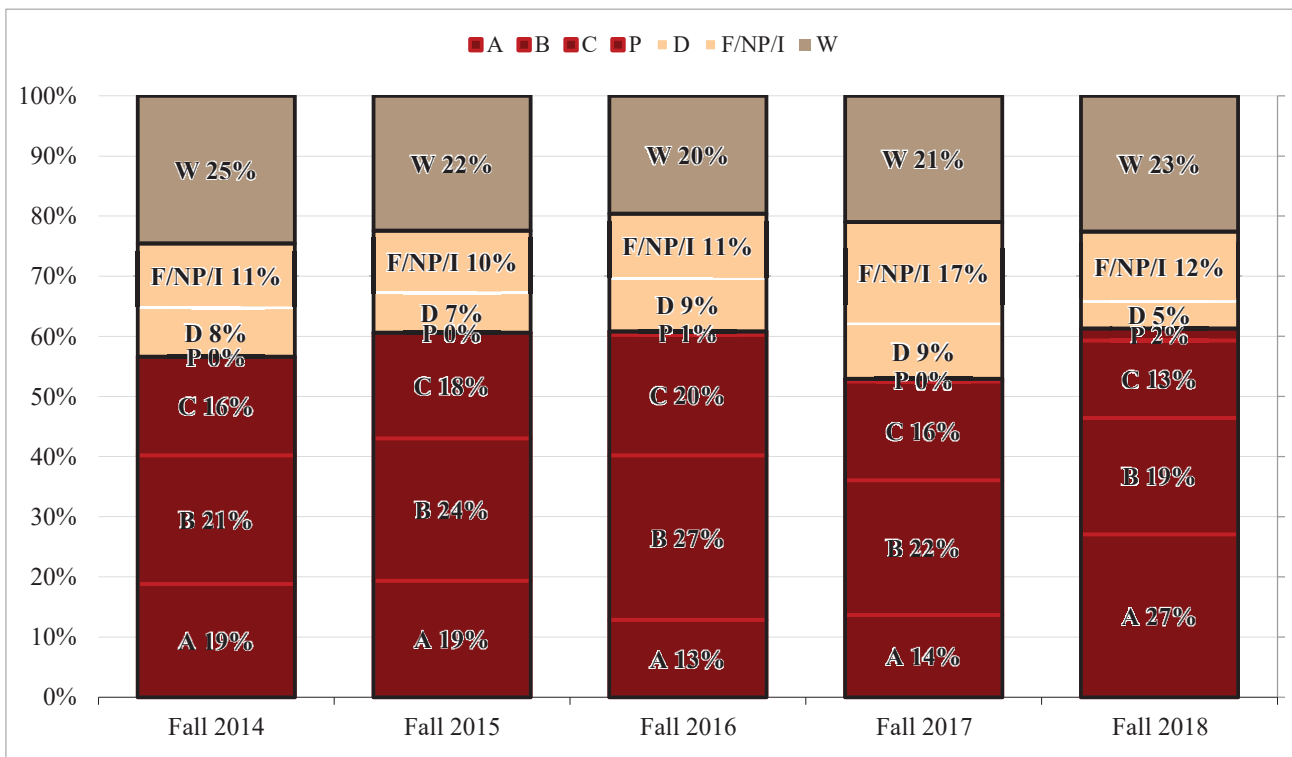
## Highest Educational Level of Students

Astronomy ( ASTR )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
High School/Adult School	2	2	2	10	14
Freshmen (<30 units)	87	108	139	130	80
Sophomore (30-59 units)	41	31	32	44	37
Other Undergraduate (60 units or more)	15	8	7	10	11
AA/AS Degree	1	4	1	3	1
BA/BS or Higher Degree	2	1	1	4	4
% High School/Adult School	1%	1%	1%	5%	10%
% Freshmen (<30 units)	59%	70%	76%	65%	54%
% Sophomore (30-59 units)	28%	20%	18%	22%	25%
% Other Undergraduate (60 units or more)	10%	5%	4%	5%	7%
% AA/AS Degree	1%	3%	1%	1%	1%
% BA/BS or Higher Degree	1%	1%	1%	2%	3%



### Student Performance: Grade Distribution

Astronomy ( ASTR )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
<b>Total Course Enrollments</b>	<b>159</b>	<b>165</b>	<b>194</b>	<b>219</b>	<b>155</b>
<b>Course Success Rates</b>	<b>57%</b>	<b>61%</b>	<b>61%</b>	<b>53%</b>	<b>61%</b>
A	19%	19%	13%	14%	27%
B	21%	24%	27%	22%	19%
C	16%	18%	20%	16%	13%
P	0%	0%	1%	<1%	2%
<b>Course Non-Success Rate</b>	<b>19%</b>	<b>17%</b>	<b>20%</b>	<b>26%</b>	<b>16%</b>
D	8%	7%	9%	9%	5%
F/NP/I	11%	10%	11%	17%	12%
<b>Withdrawals (W)</b>	<b>25%</b>	<b>22%</b>	<b>20%</b>	<b>21%</b>	<b>23%</b>



**Definitions:**

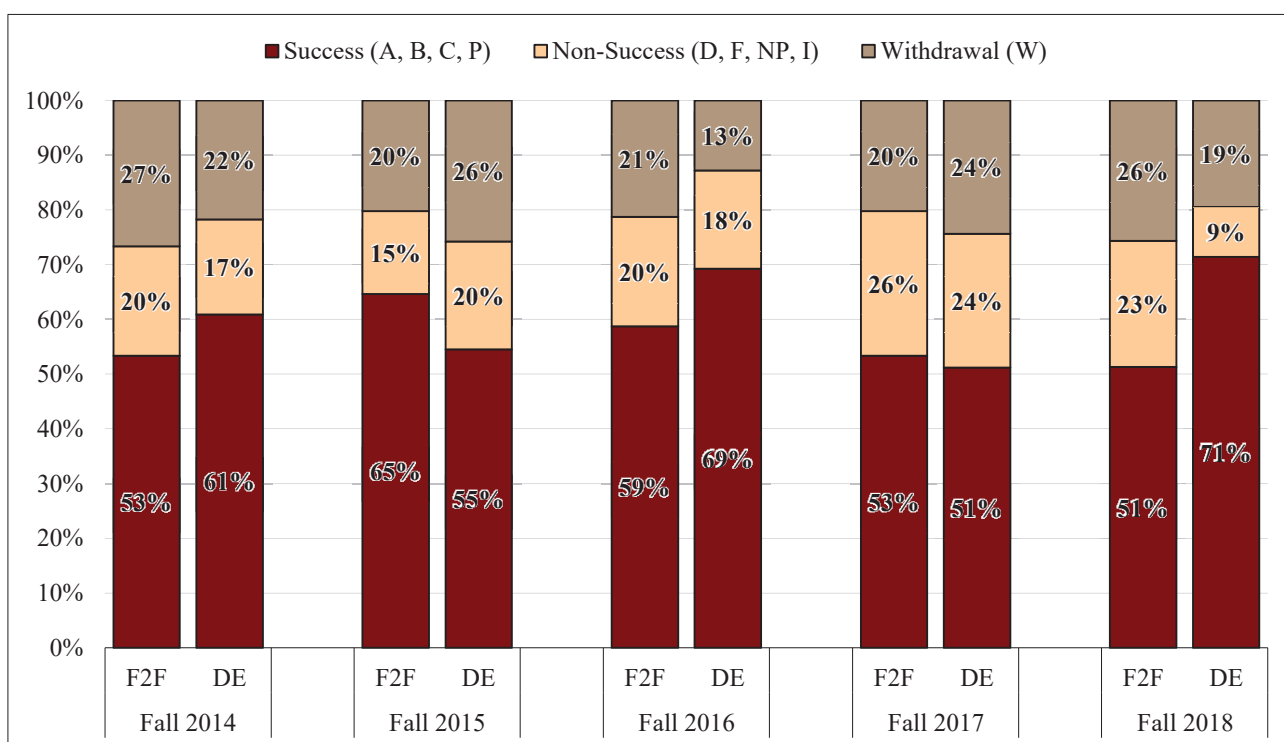
**Course Success Rate** is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

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

## Student Performance: Distance Education

Astronomy ( ASTR )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
<b>Total Course Enrollments</b>	<b>159</b>	<b>165</b>	<b>194</b>	<b>219</b>	<b>155</b>
<b>Face-to-Face (F2F) Sections</b>	<b>90</b>	<b>99</b>	<b>155</b>	<b>178</b>	<b>78</b>
Success Rates	53%	65%	59%	53%	51%
Non-Success Rates	20%	15%	20%	26%	23%
Withdrawals	27%	20%	21%	20%	26%
<b>Distance Education (DE) Sections</b>	<b>69</b>	<b>66</b>	<b>39</b>	<b>41</b>	<b>77</b>
Success Rates	61%	55%	69%	51%	71%
Non-Success Rates	17%	20%	18%	24%	9%
Withdrawals	22%	26%	13%	24%	19%



### 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.

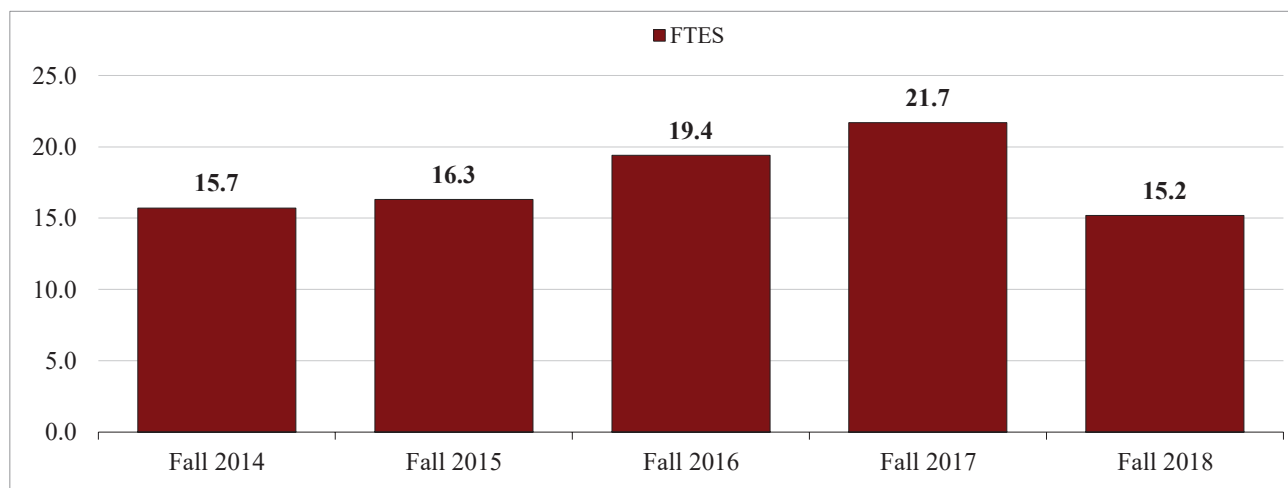
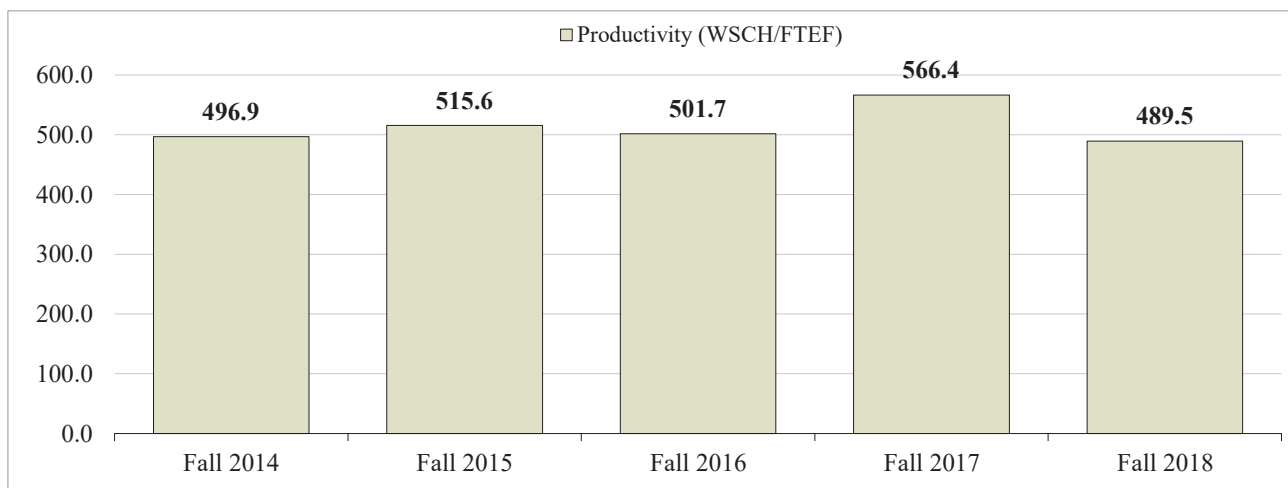
**Course Non-Success Rate** is the percentage of students receiving a grade of ('D', 'F', 'NP' or 'I') relative to all students receiving a grade.

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

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

## Enrollment Management: Part 1

	Astronomy ( ASTR )				
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
WSCH	477	495	582	657	465
FTES	15.7	16.3	19.4	21.7	15.2
FTEF	1.0	1.0	1.2	1.2	1.0
Productivity (WSCH/FTEF)	496.9	515.6	501.7	566.4	489.5



### 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.

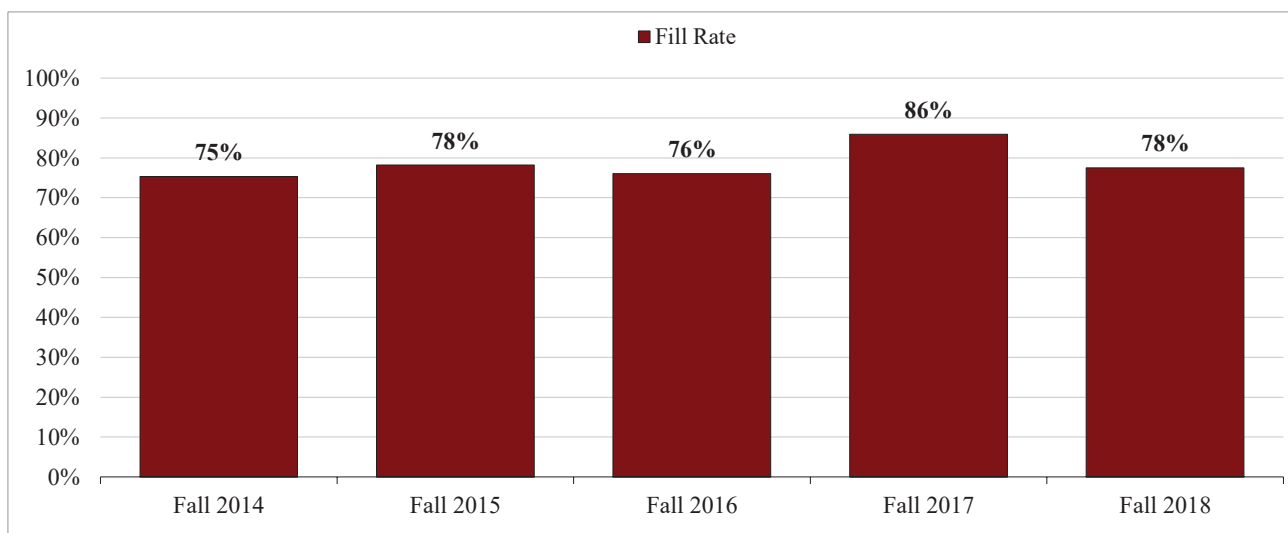
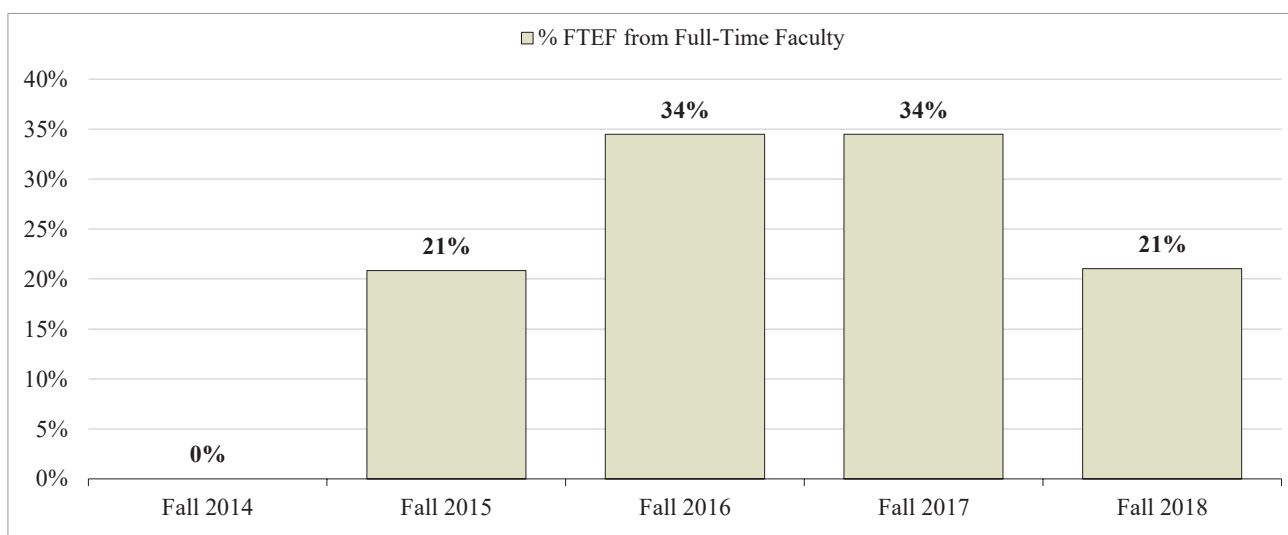
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

**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

Astronomy ( ASTR )					
	Term				
	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018
FTEF from Full-Time Faculty	0.0	0.2	0.4	0.4	0.2
% FTEF from Full-Time Faculty	0%	21%	34%	34%	21%
Enrollments	159	165	194	219	155
Capacity (seats available)	211	211	255	255	200
Fill Rate	75%	78%	76%	86%	78%



### Definitions:

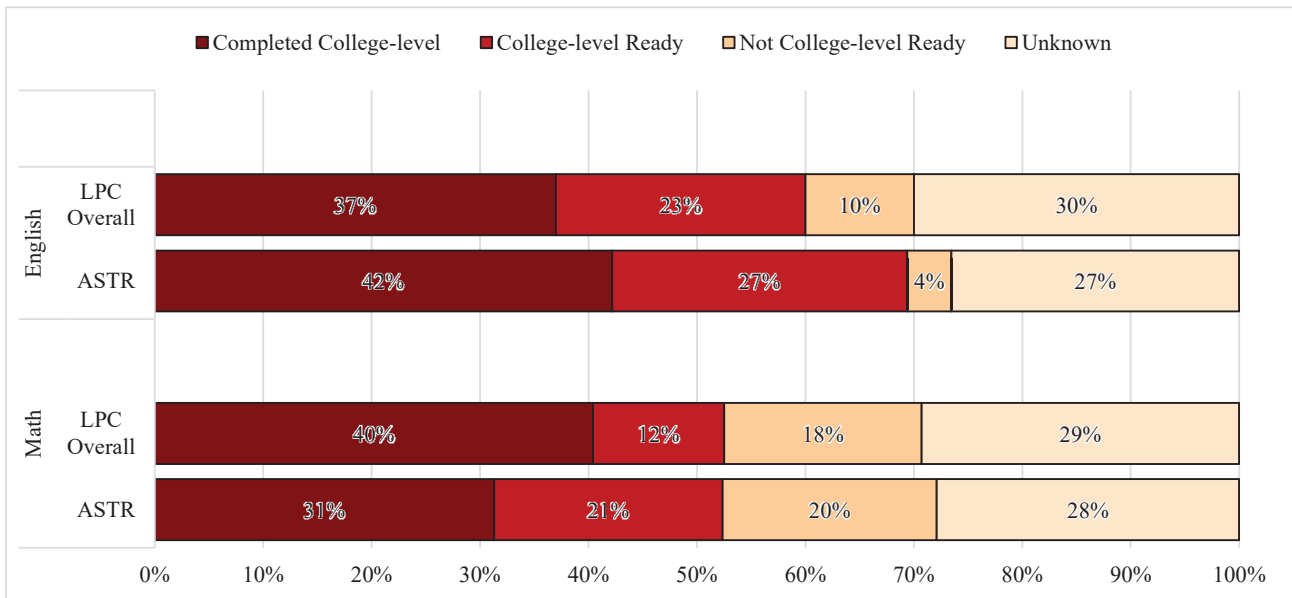
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% 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 2018				
	ASTR		LPC Overall	
	Num	Pct	Num	Pct
<b>College English</b>				
Completed College-level	62	42%	4,858	52%
College-level Ready	40	31%	2,005	22%
Not College-level Ready	6	5%	675	7%
Unknown	39	27%	1,776	19%
<b>College Math</b>				
Completed College-level	46	31%	4,134	44%
College-level Ready	31	21%	1,812	19%
Not College-level Ready	29	20%	1,583	17%
Unknown	41	28%	1,785	19%



### 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.