



Las Positas College
Program Review Discipline Data Packet
Spring 2015 to Spring 2019

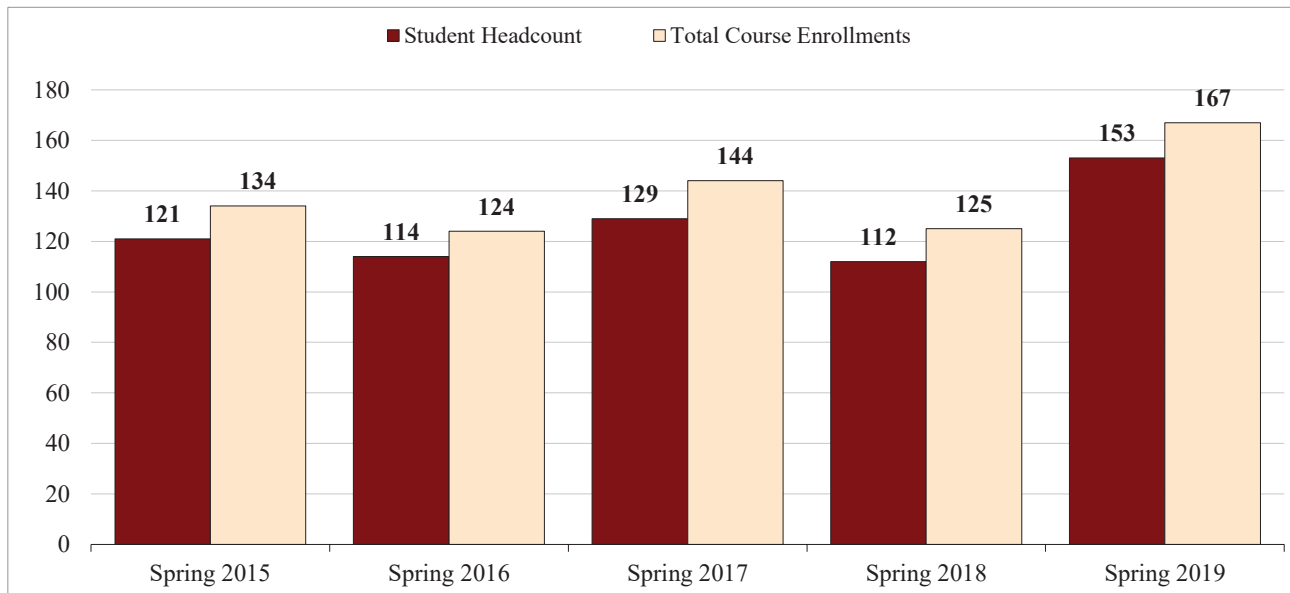
Discipline:

Astronomy (ASTR)

<u>TABLE OF CONTENTS</u>	<u>PAGE</u>
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
College Readiness: English & Math Proficiency.....	13

Headcount & Enrollment

Astronomy (ASTR)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
Student Headcount	121	114	129	112	153
Total Course Enrollments	134	124	144	125	167



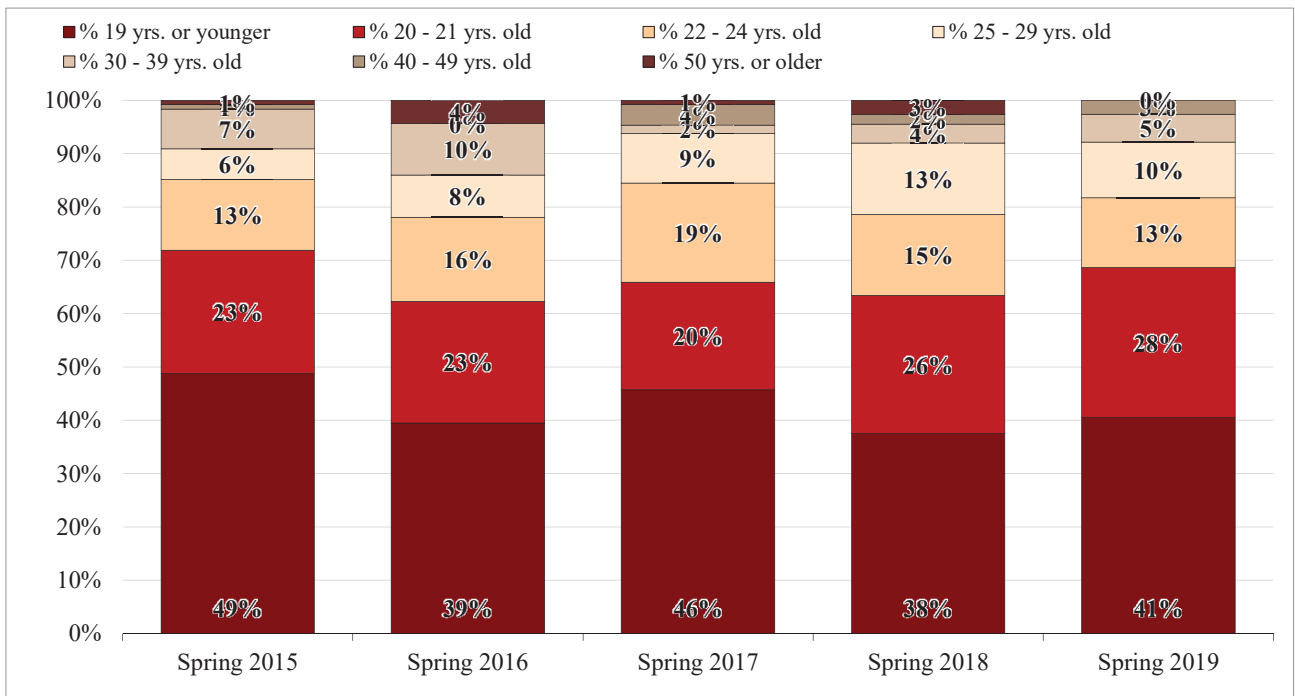
Definitions:

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.

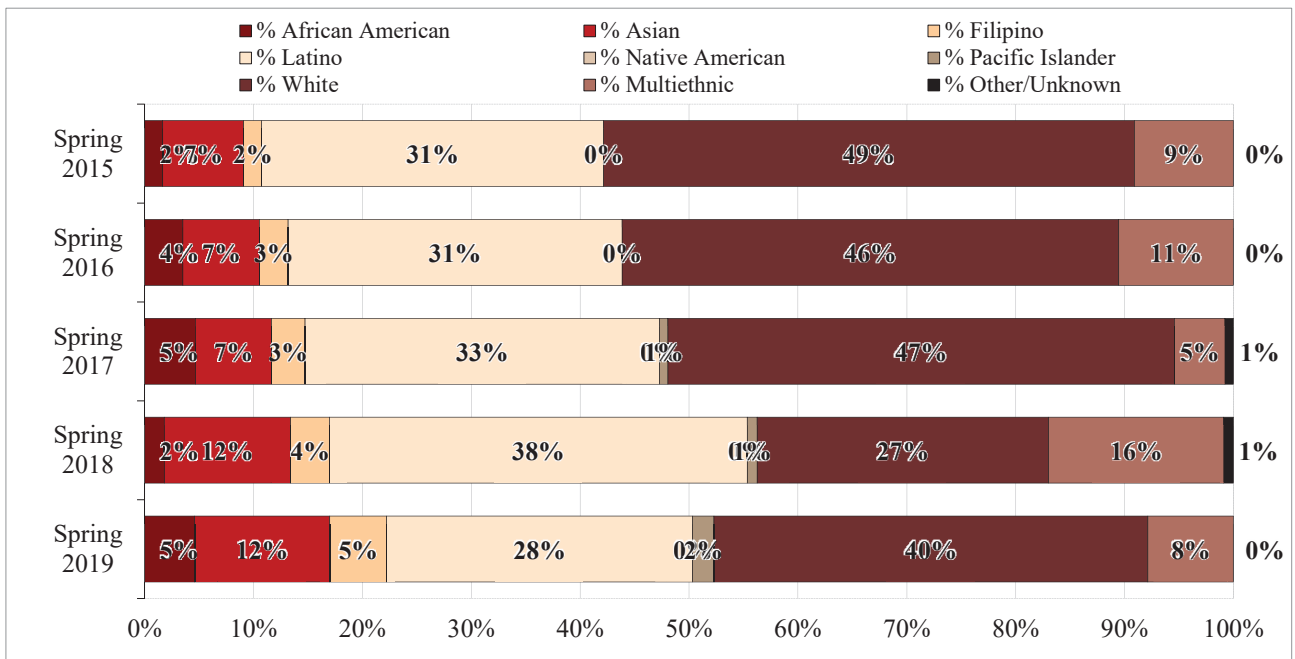
Student Demographics: Gender & Age

Astronomy (ASTR)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
Female	45	52	56	56	72
Male	76	61	71	54	77
19 yrs. or younger	59	45	59	42	62
20-21 yrs. old	28	26	26	29	43
22-24 yrs. old	16	18	24	17	20
25-29 yrs. old	7	9	12	15	16
30-39 yrs. old	9	11	2	4	8
40-49 yrs. old	1	0	5	2	4
50 yrs. or older	1	5	1	3	0
% Female	37%	46%	44%	51%	48%
% Male	63%	54%	56%	49%	52%
% 19 yrs. or younger	49%	39%	46%	38%	41%
% 20 - 21 yrs. old	23%	23%	20%	26%	28%
% 22 - 24 yrs. old	13%	16%	19%	15%	13%
% 25 - 29 yrs. old	6%	8%	9%	13%	10%
% 30 - 39 yrs. old	7%	10%	2%	4%	5%
% 40 - 49 yrs. old	1%	0%	4%	2%	3%
% 50 yrs. or older	1%	4%	1%	3%	0%



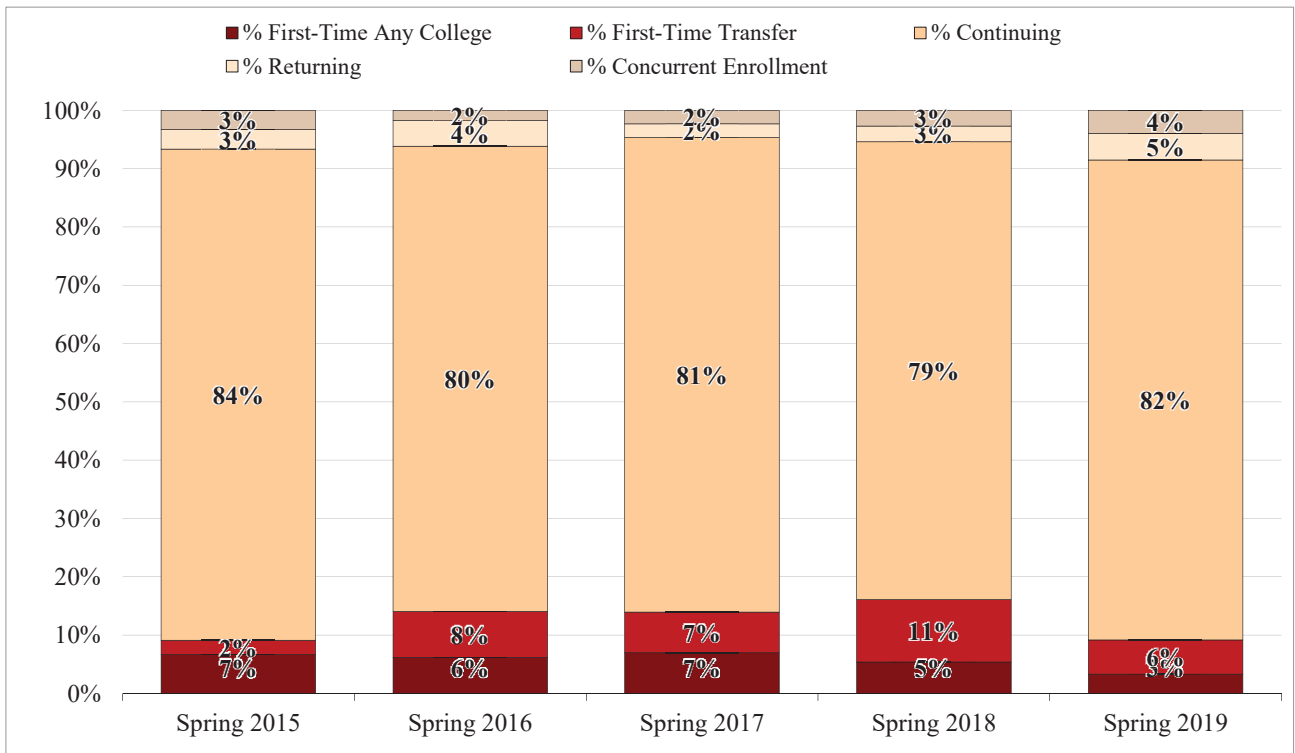
Student Demographic: Race-Ethnicity

Astronomy (ASTR)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
African American	2	4	6	2	7
Asian	9	8	9	13	19
Filipino	2	3	4	4	8
Latino	38	35	42	43	43
Native American	0	0	0	0	0
Pacific Islander	0	0	1	1	3
White	59	52	60	30	61
Multiethnic	11	12	6	18	12
Other/Unknown	0	0	1	1	0
% African American	2%	4%	5%	2%	5%
% Asian	7%	7%	7%	12%	12%
% Filipino	2%	3%	3%	4%	5%
% Latino	31%	31%	33%	38%	28%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	0%	0%	1%	1%	2%
% White	49%	46%	47%	27%	40%
% Multiethnic	9%	11%	5%	16%	8%
% Other/Unknown	0%	0%	1%	1%	0%



Student Enrollment Status

Astronomy (ASTR)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
First-Time Any College	8	7	9	6	5
First-Time Transfer	3	9	9	12	9
Continuing	102	91	105	88	126
Returning	4	5	3	3	7
Concurrent Enrollment	4	2	3	3	6
% First-Time Any College	7%	6%	7%	5%	3%
% First-Time Transfer	2%	8%	7%	11%	6%
% Continuing	84%	80%	81%	79%	82%
% Returning	3%	4%	2%	3%	5%
% Concurrent Enrollment	3%	2%	2%	3%	4%



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.

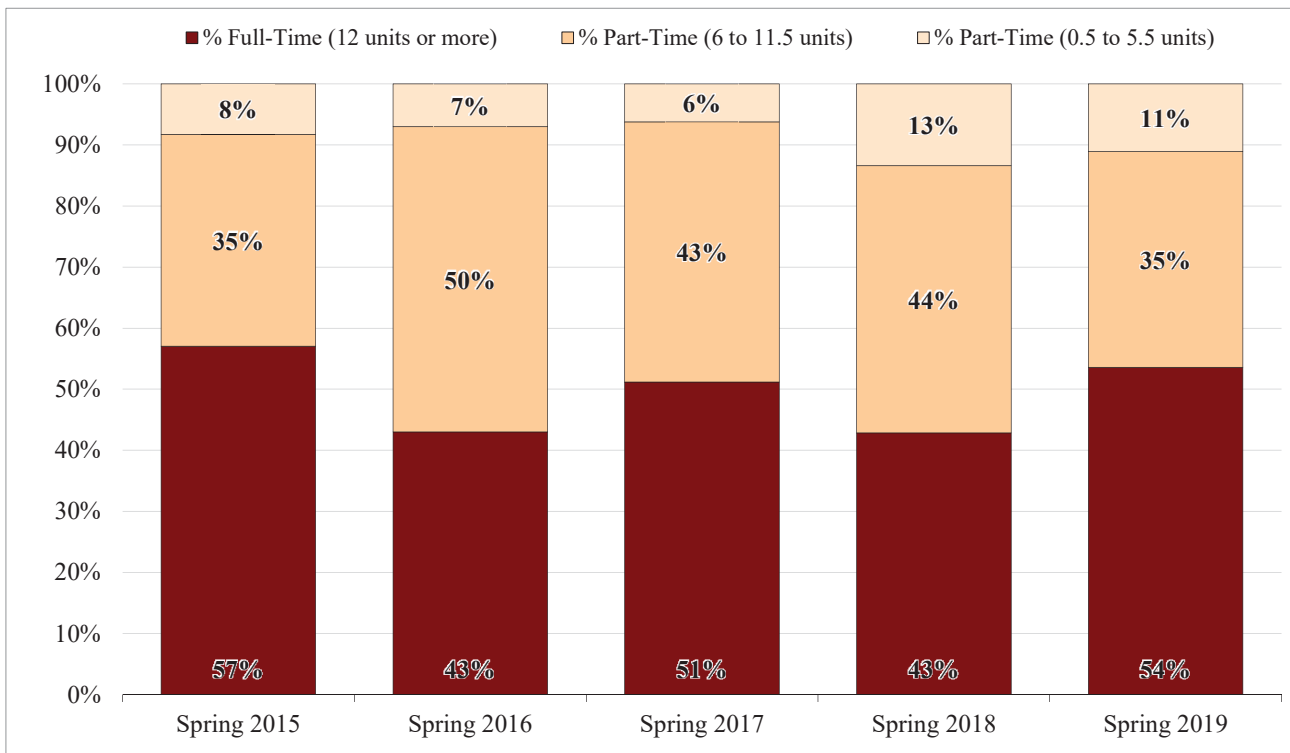
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

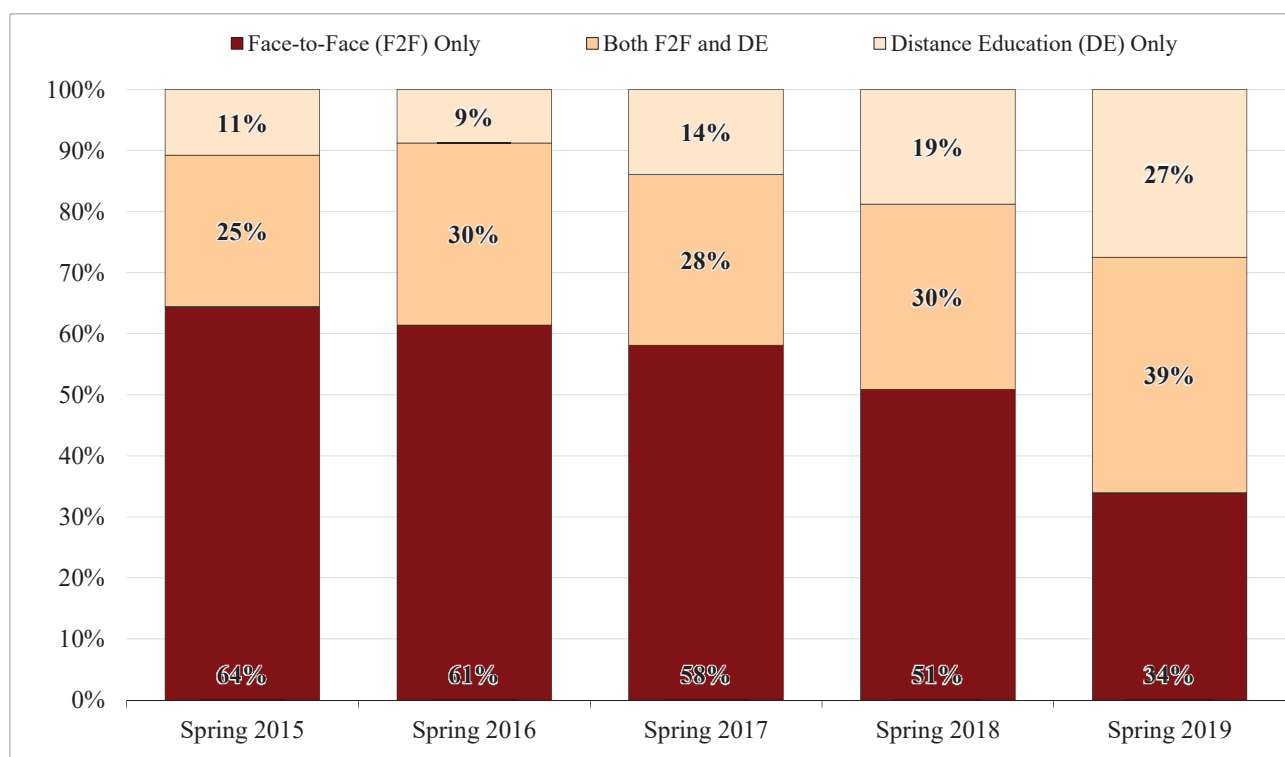
Student Unit Load

Astronomy (ASTR)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
Full-Time (12 units or more)	69	49	66	48	82
Part-Time (6 to 11.5 units)	42	57	55	49	54
Part-Time (0.5 to 5.5 units)	10	8	8	15	17
% Full-Time (12 units or more)	57%	43%	51%	43%	54%
% Part-Time (6 to 11.5 units)	35%	50%	43%	44%	35%
% Part-Time (0.5 to 5.5 units)	8%	7%	6%	13%	11%



Students Using Distance Education

Astronomy (ASTR)					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
Face-to-Face (F2F) Only	78	70	75	57	52
Both F2F and DE	30	34	36	34	59
Distance Education (DE) Only	13	10	18	21	42
% Face-to-Face (F2F) Only	64%	61%	58%	51%	34%
% Both F2F and DE	25%	30%	28%	30%	39%
% Distance Education (DE) Only	11%	9%	14%	19%	27%

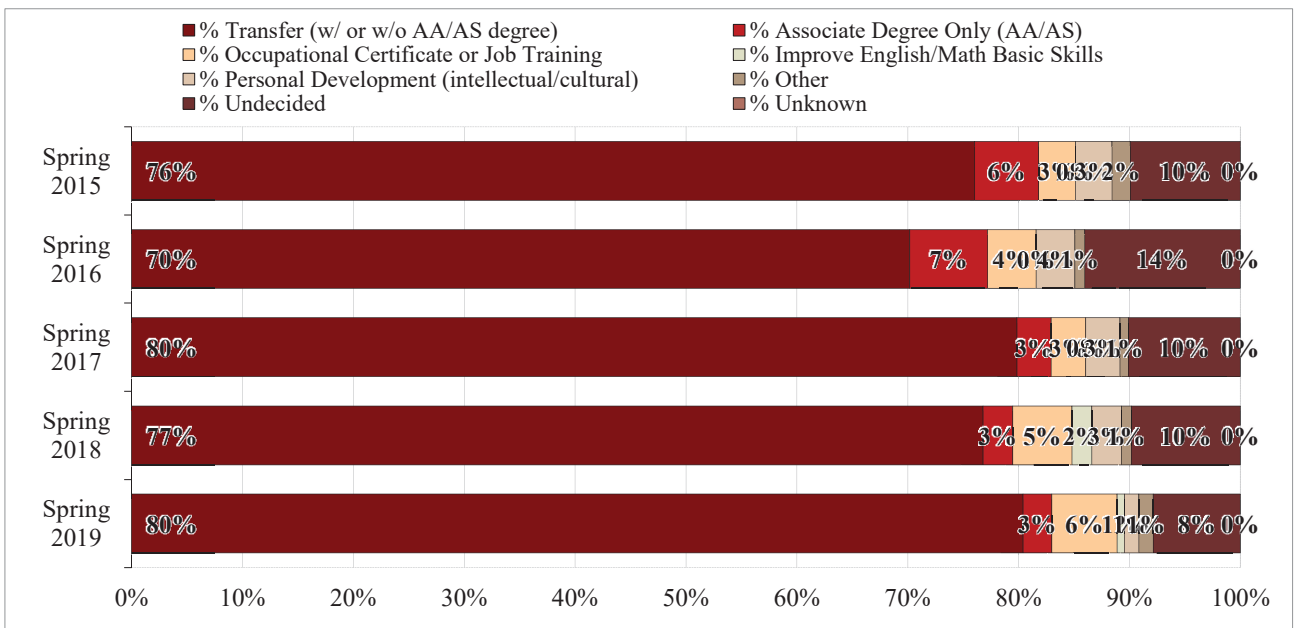


Definitions:

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

Student Educational Goal

Astronomy (ASTR)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
Transfer (w/ or w/o AA/AS degree)	92	80	103	86	123
Associate Degree Only (AA/AS)	7	8	4	3	4
Occupational Certificate or Job Training	4	5	4	6	9
Improve English/Math Basic Skills	0	0	0	2	1
Personal Development (intellectual/cultural)	4	4	4	3	2
Other	2	1	1	1	2
Undecided	12	16	13	11	12
Unknown	0	0	0	0	0
% Transfer (w/ or w/o AA/AS degree)	76%	70%	80%	77%	80%
% Associate Degree Only (AA/AS)	6%	7%	3%	3%	3%
% Occupational Certificate or Job Training	3%	4%	3%	5%	6%
% Improve English/Math Basic Skills	0%	0%	0%	2%	1%
% Personal Development (intellectual/cultural)	3%	4%	3%	3%	1%
% Other	2%	1%	1%	1%	1%
% Undecided	10%	14%	10%	10%	8%
% Unknown	0%	0%	0%	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.

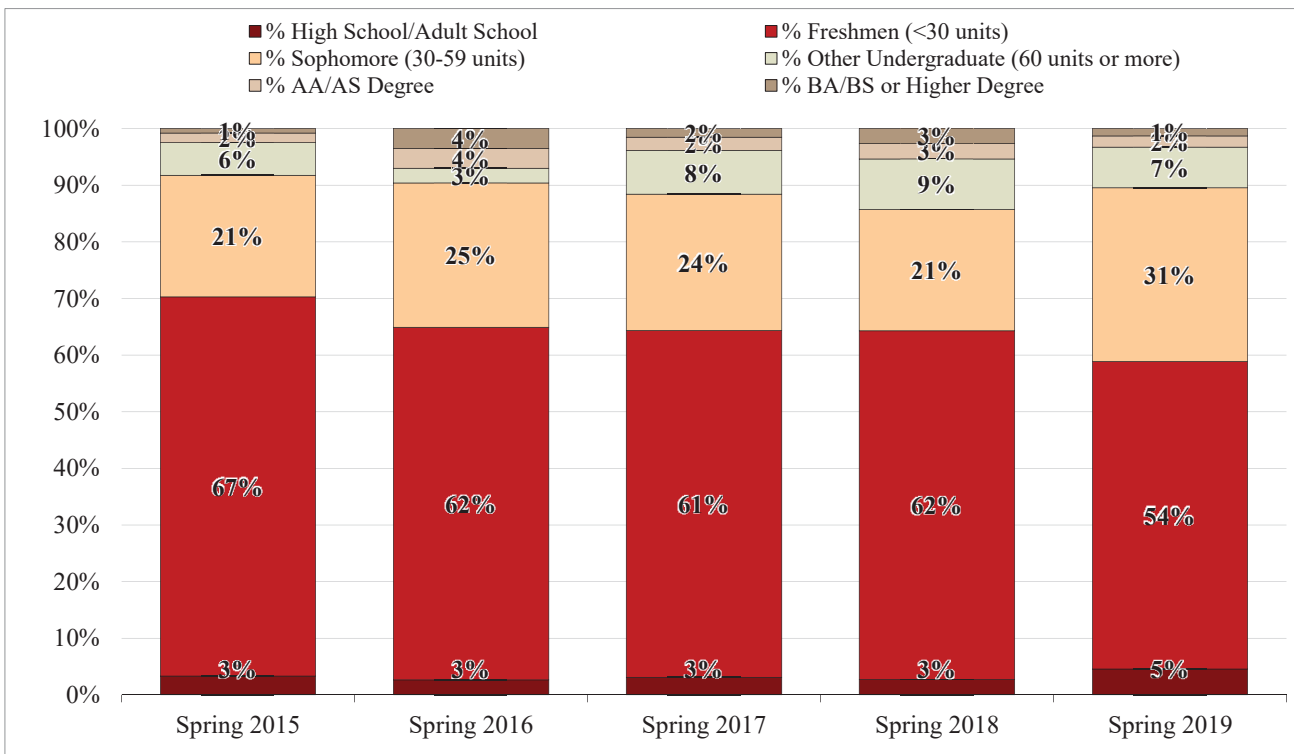
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

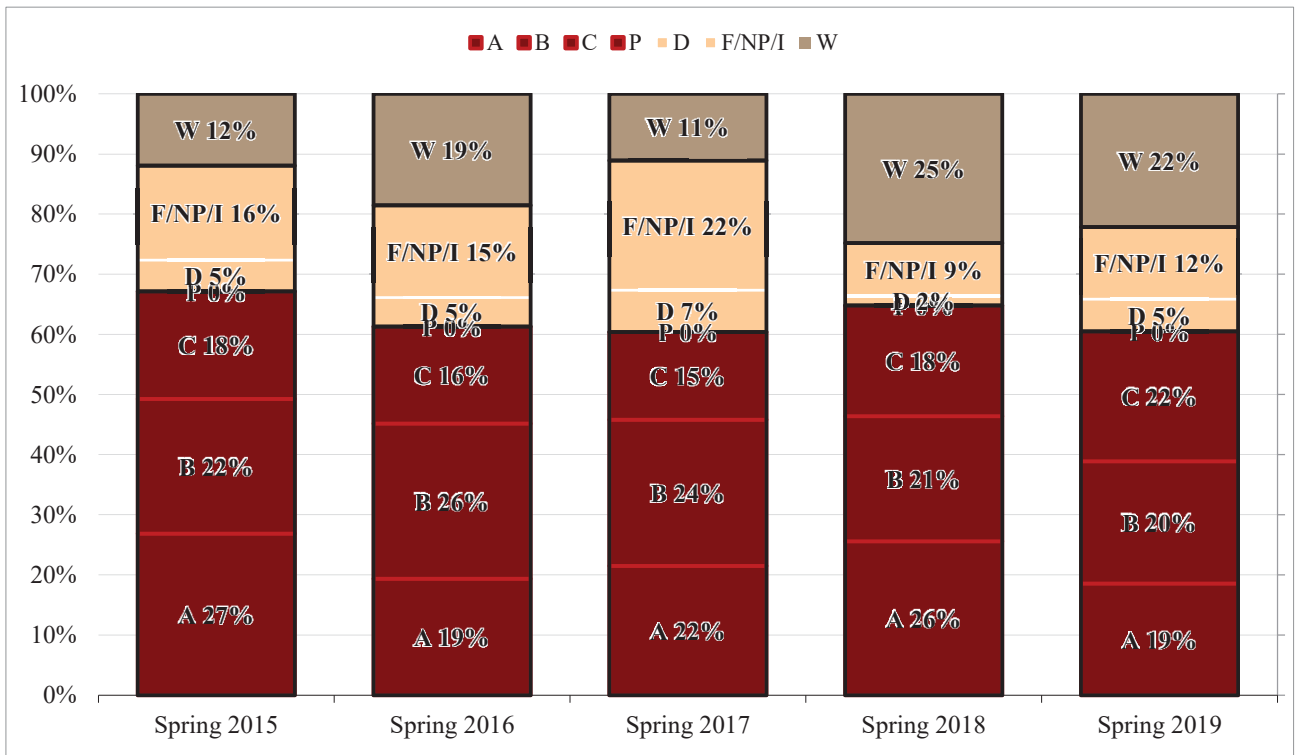
Highest Educational Level of Students

Astronomy (ASTR)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
High School/Adult School	4	3	4	3	7
Freshmen (<30 units)	81	71	79	69	83
Sophomore (30-59 units)	26	29	31	24	47
Other Undergraduate (60 units or more)	7	3	10	10	11
AA/AS Degree	2	4	3	3	3
BA/BS or Higher Degree	1	4	2	3	2
% High School/Adult School	3%	3%	3%	3%	5%
% Freshmen (<30 units)	67%	62%	61%	62%	54%
% Sophomore (30-59 units)	21%	25%	24%	21%	31%
% Other Undergraduate (60 units or more)	6%	3%	8%	9%	7%
% AA/AS Degree	2%	4%	2%	3%	2%
% BA/BS or Higher Degree	1%	4%	2%	3%	1%



Student Performance: Grade Distribution

Astronomy (ASTR)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
Total Course Enrollments	134	124	144	125	167
Course Success Rates	67%	61%	60%	65%	60%
A	27%	19%	22%	26%	19%
B	22%	26%	24%	21%	20%
C	18%	16%	15%	18%	22%
P	0%	0%	0%	0%	0%
Course Non-Success Rate	21%	20%	28%	10%	17%
D	5%	5%	7%	2%	5%
F/NP/I	16%	15%	22%	9%	12%
Withdrawals (W)	12%	19%	11%	25%	22%



Definitions:

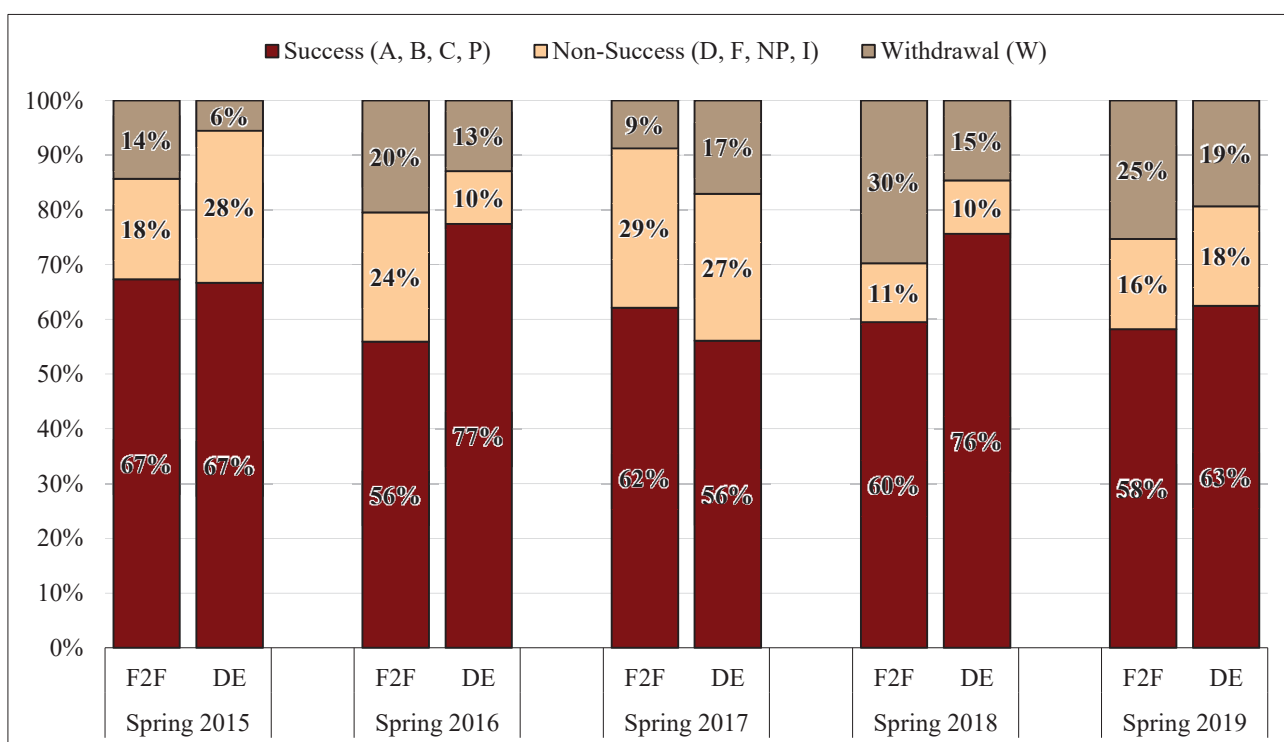
Course Success Rate is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

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				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
Total Course Enrollments	134	124	144	125	167
Face-to-Face (F2F) Sections	98	93	103	84	79
Success Rates	67%	56%	62%	60%	58%
Non-Success Rates	18%	24%	29%	11%	16%
Withdrawals	14%	20%	9%	30%	25%
Distance Education (DE) Sections	36	31	41	41	88
Success Rates	67%	77%	56%	76%	63%
Non-Success Rates	28%	10%	27%	10%	18%
Withdrawals	6%	13%	17%	15%	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.

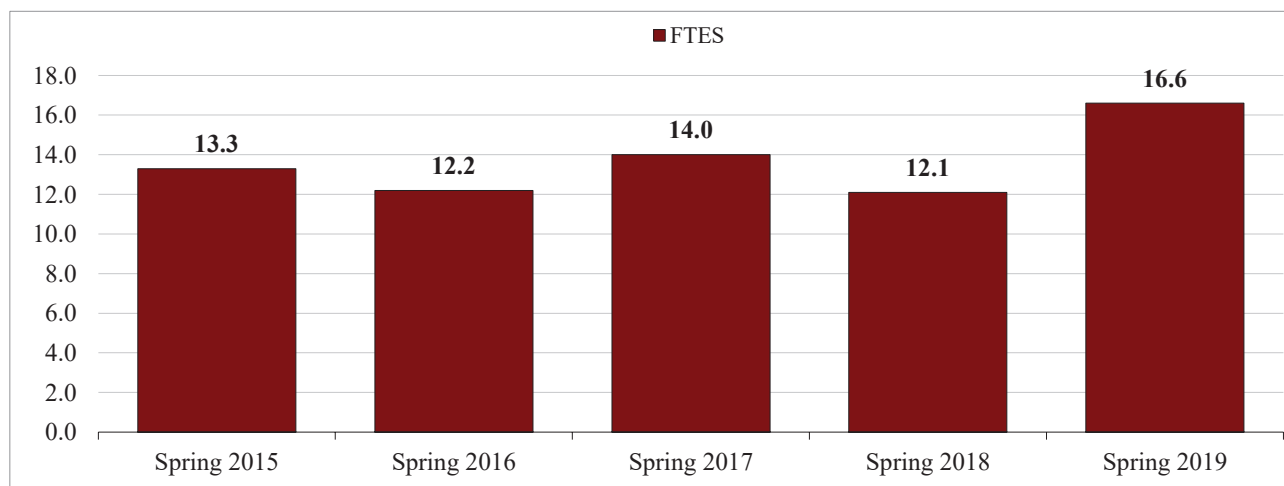
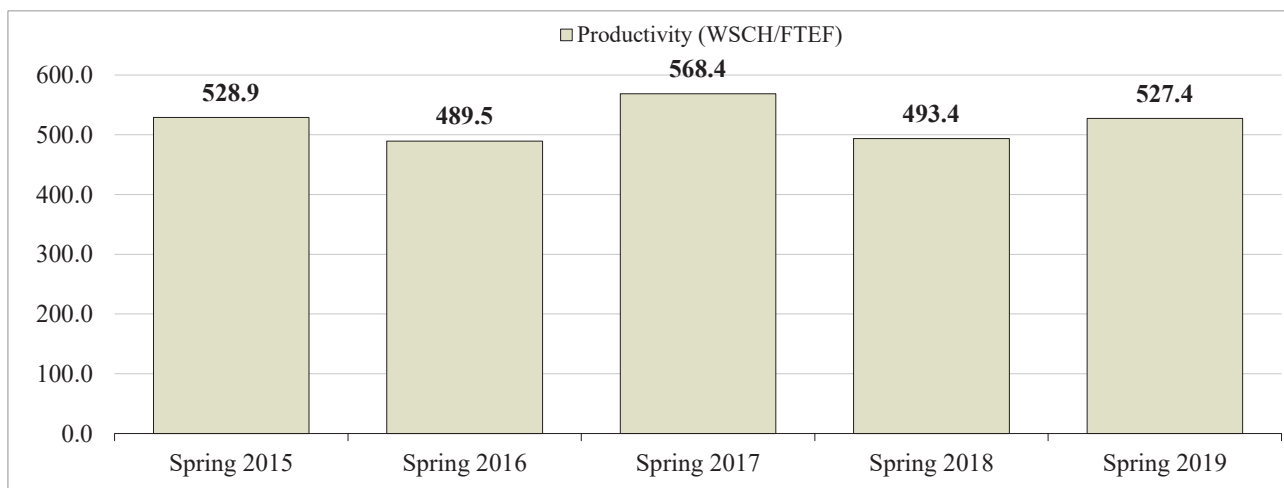
Course Non-Success Rate is the percentage of students receiving a grade of ('D', 'F', 'NP' or 'I') relative to all students receiving a grade.

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				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
WSCH	402	372	432	375	501
FTEF	13.3	12.2	14.0	12.1	16.6
FTEF	0.8	0.8	0.8	0.8	1.0
Productivity (WSCH/FTEF)	528.9	489.5	568.4	493.4	527.4



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.

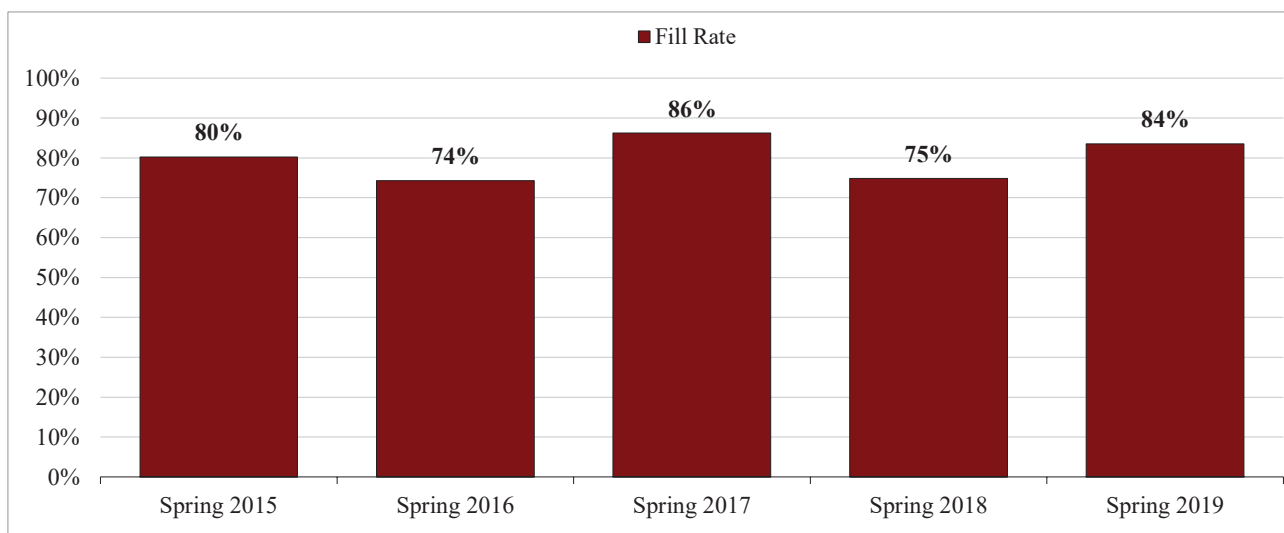
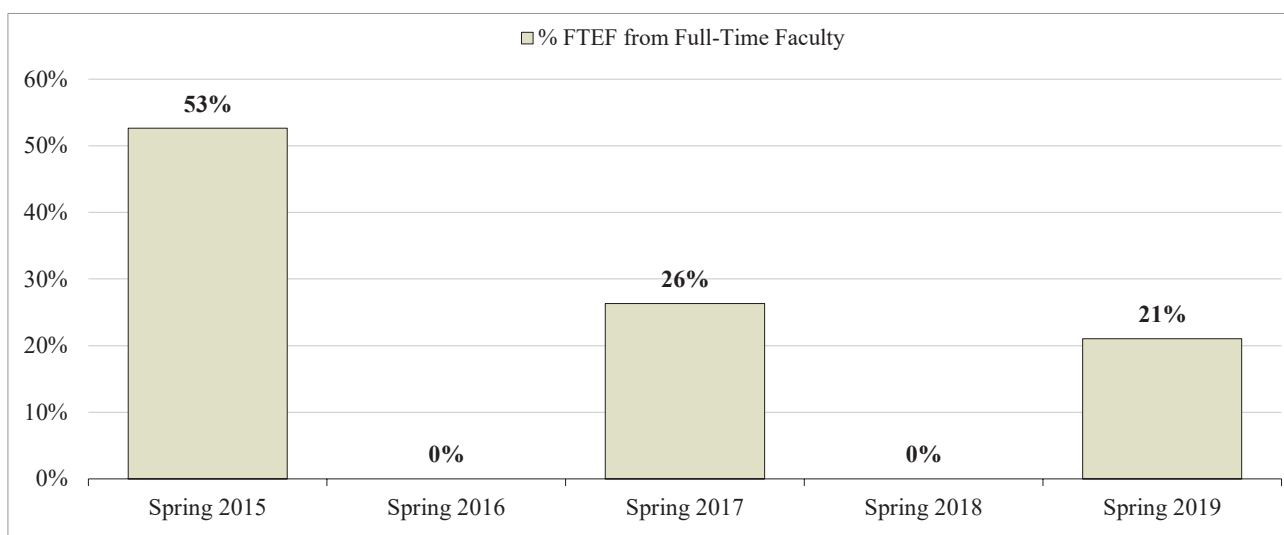
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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

Astronomy (ASTR)					
	Term				
	Spring 2015	Spring 2016	Spring 2017	Spring 2018	Spring 2019
FTEF from Full-Time Faculty	0.4	0.0	0.2	0.0	0.2
% FTEF from Full-Time Faculty	53%	0%	26%	0%	21%
Enrollments	134	124	144	125	167
Capacity (seats available)	167	167	167	167	200
Fill Rate	80%	74%	86%	75%	84%



Definitions:

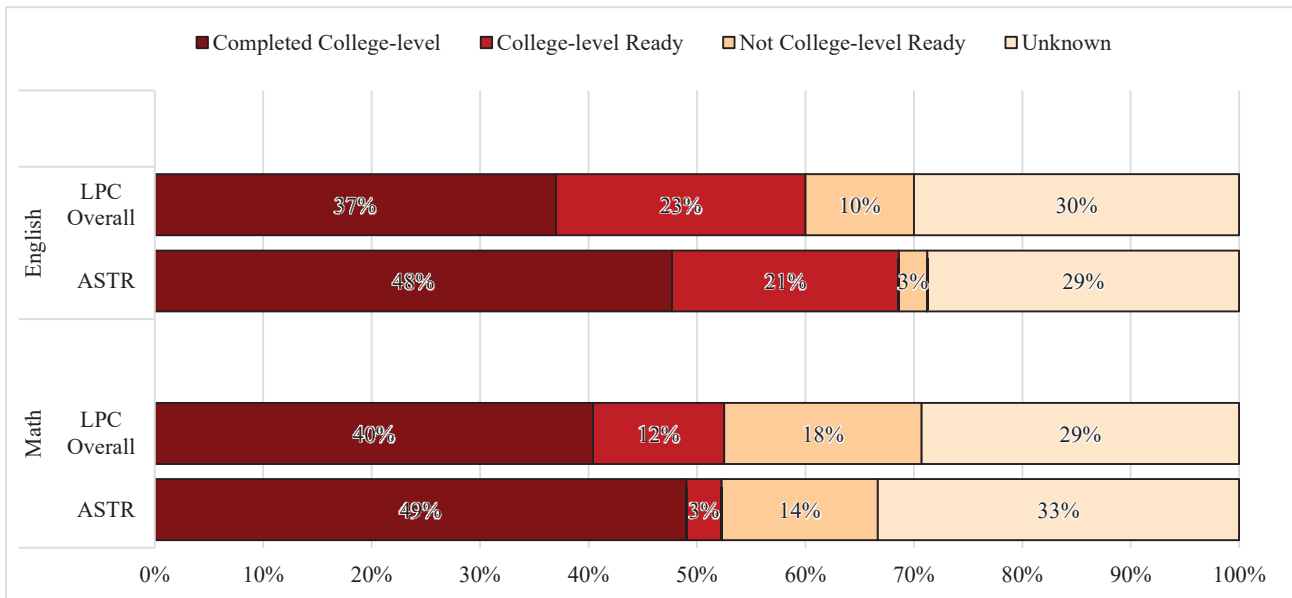
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 2019				
	ASTR		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	73	48%	5,237	60%
College-level Ready	32	21%	1,339	15%
Not College-level Ready	4	3%	458	5%
Unknown	44	30%	1,703	19%
College Math				
Completed College-level	75	49%	4,956	57%
College-level Ready	5	3%	642	7%
Not College-level Ready	22	14%	1,161	13%
Unknown	51	33%	1,978	23%



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.