



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

Discipline:

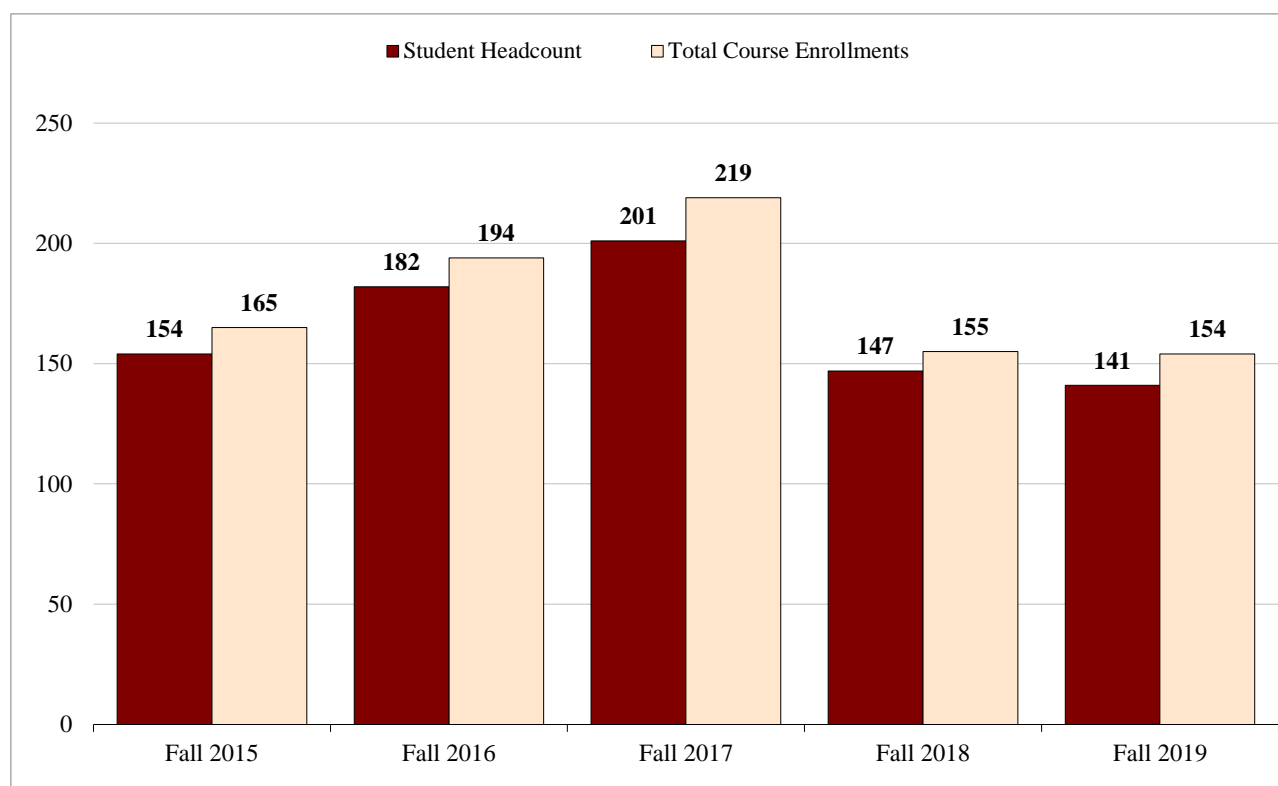
Astronomy (ASTR)

<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

NOTE: ^ next to rubric / subject code indicates that the report combines data for related credit and non-credit rubrics

Headcount & Enrollment

	Astronomy (ASTR)				
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Student Headcount	154	182	201	147	141
Total Course Enrollments	165	194	219	155	154



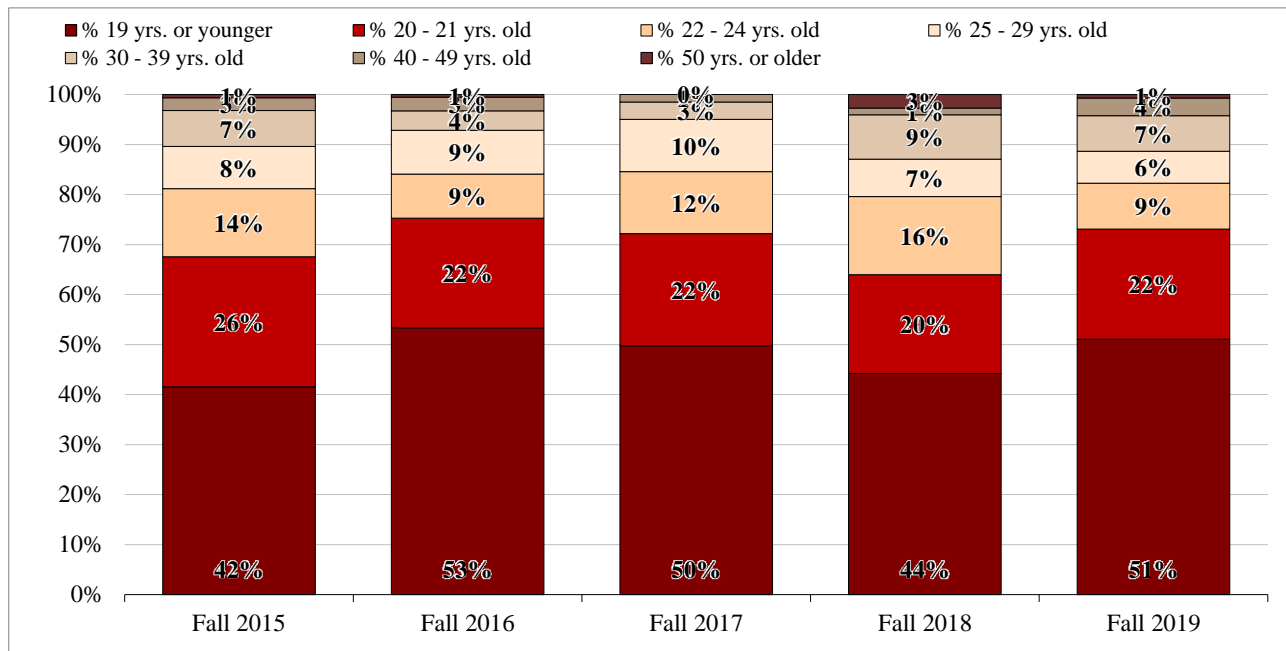
Definitions:

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.

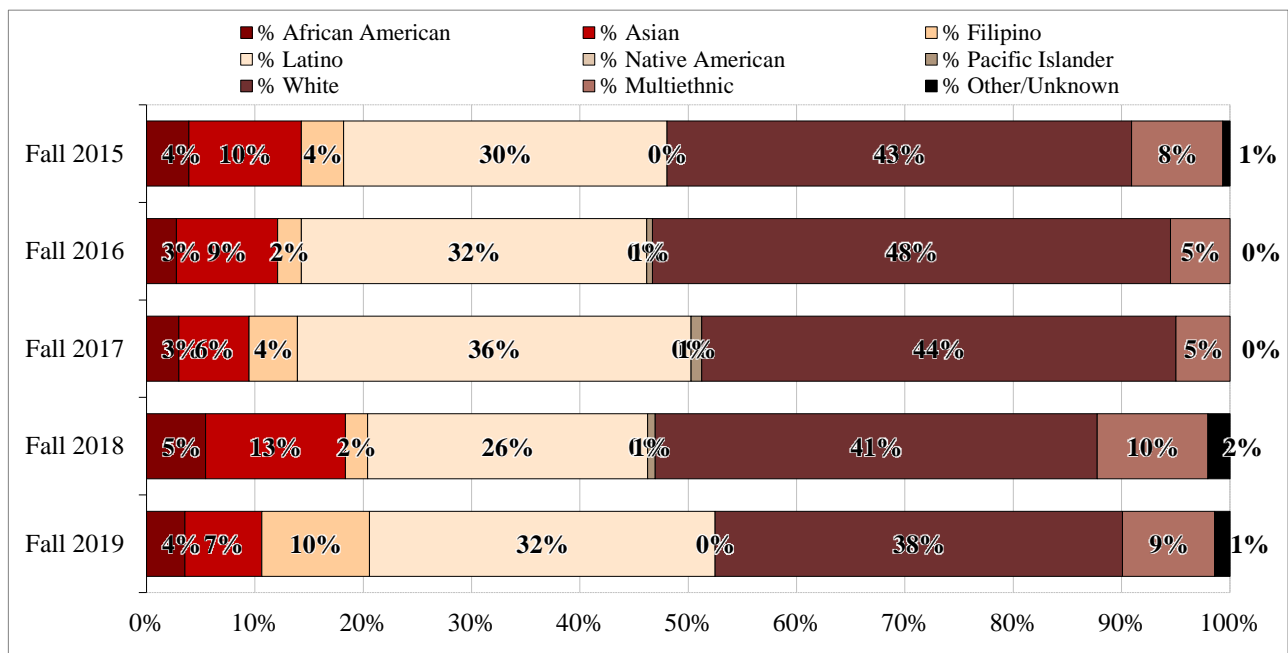
Student Demographics: Gender & Age

Astronomy (ASTR)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Female	67	67	98	69	66
Male	84	112	99	77	73
19 yrs. or younger	64	97	100	65	72
20-21 yrs. old	40	40	45	29	31
22-24 yrs. old	21	16	25	23	13
25-29 yrs. old	13	16	21	11	9
30-39 yrs. old	11	7	7	13	10
40-49 yrs. old	4	5	3	2	5
50 yrs. or older	1	1	0	4	1
% Female	44%	37%	50%	47%	47%
% Male	56%	63%	50%	53%	53%
% 19 yrs. or younger	42%	53%	50%	44%	51%
% 20 - 21 yrs. old	26%	22%	22%	20%	22%
% 22 - 24 yrs. old	14%	9%	12%	16%	9%
% 25 - 29 yrs. old	8%	9%	10%	7%	6%
% 30 - 39 yrs. old	7%	4%	3%	9%	7%
% 40 - 49 yrs. old	3%	3%	1%	1%	4%
% 50 yrs. or older	1%	1%	0%	3%	1%



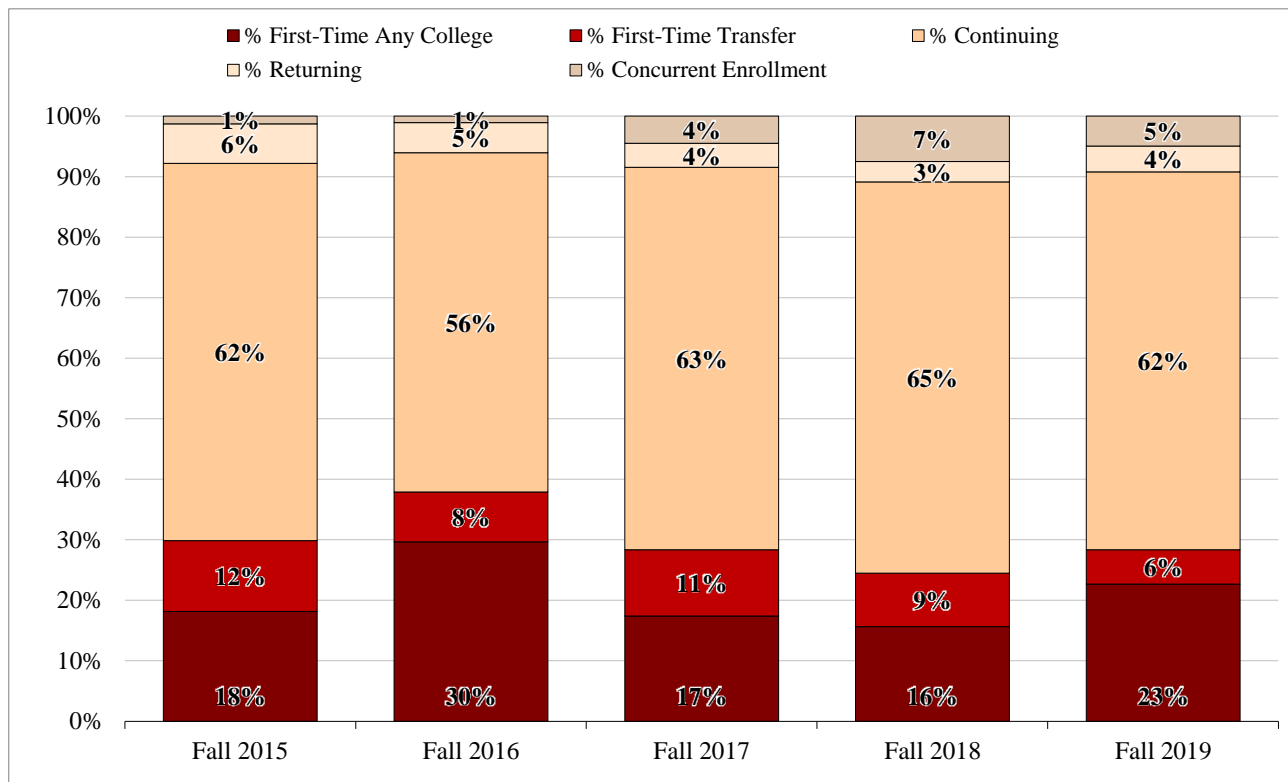
Student Demographic: Race-Ethnicity

Astronomy (ASTR)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
African American	6	5	6	8	5
Asian	16	17	13	19	10
Filipino	6	4	9	3	14
Latino	46	58	73	38	45
Native American	0	0	0	0	0
Pacific Islander	0	1	2	1	0
White	66	87	88	60	53
Multiethnic	13	10	10	15	12
Other/Unknown	1	0	0	3	2
% African American	4%	3%	3%	5%	4%
% Asian	10%	9%	6%	13%	7%
% Filipino	4%	2%	4%	2%	10%
% Latino	30%	32%	36%	26%	32%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	0%	1%	1%	1%	0%
% White	43%	48%	44%	41%	38%
% Multiethnic	8%	5%	5%	10%	9%
% Other/Unknown	1%	0%	0%	2%	1%



Student Enrollment Status

Astronomy (ASTR)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
First-Time Any College	28	54	35	23	32
First-Time Transfer	18	15	22	13	8
Continuing	96	102	127	95	88
Returning	10	9	8	5	6
Concurrent Enrollment	2	2	9	11	7
% First-Time Any College	18%	30%	17%	16%	23%
% First-Time Transfer	12%	8%	11%	9%	6%
% Continuing	62%	56%	63%	65%	62%
% Returning	6%	5%	4%	3%	4%
% Concurrent Enrollment	1%	1%	4%	7%	5%



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.

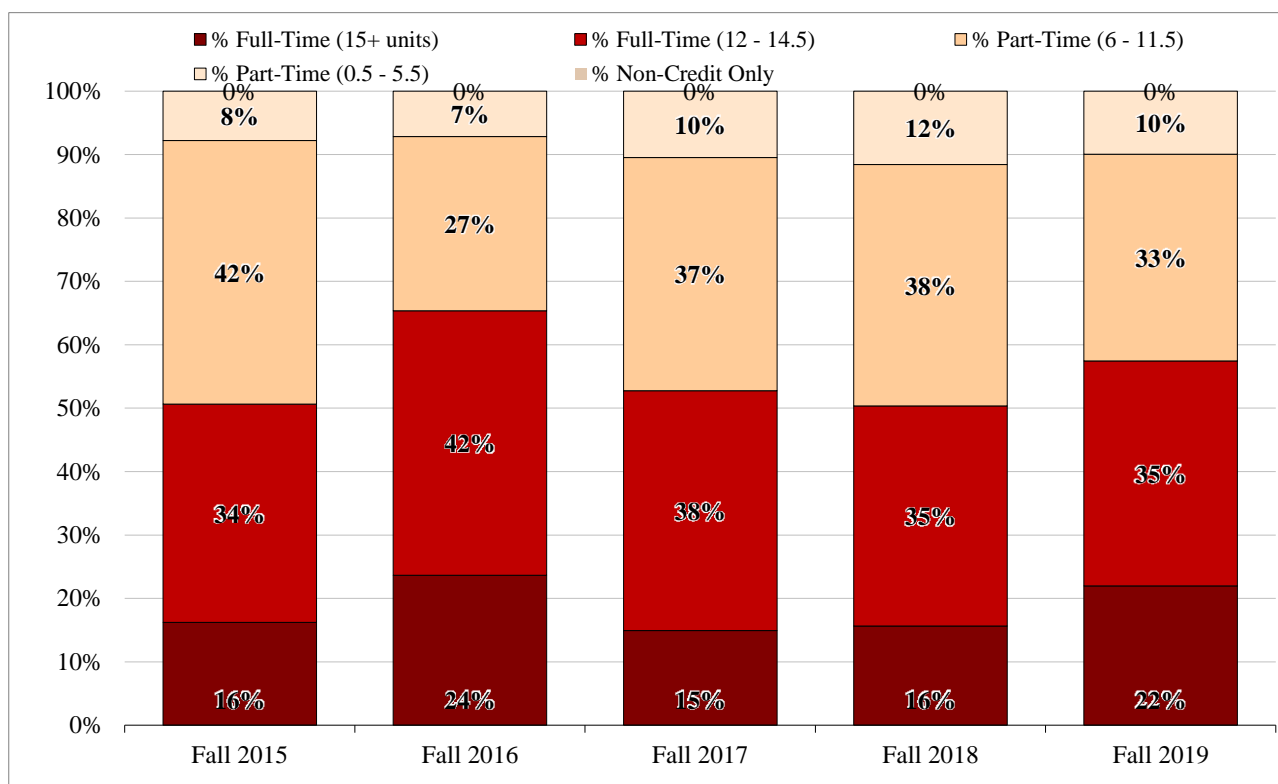
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

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.

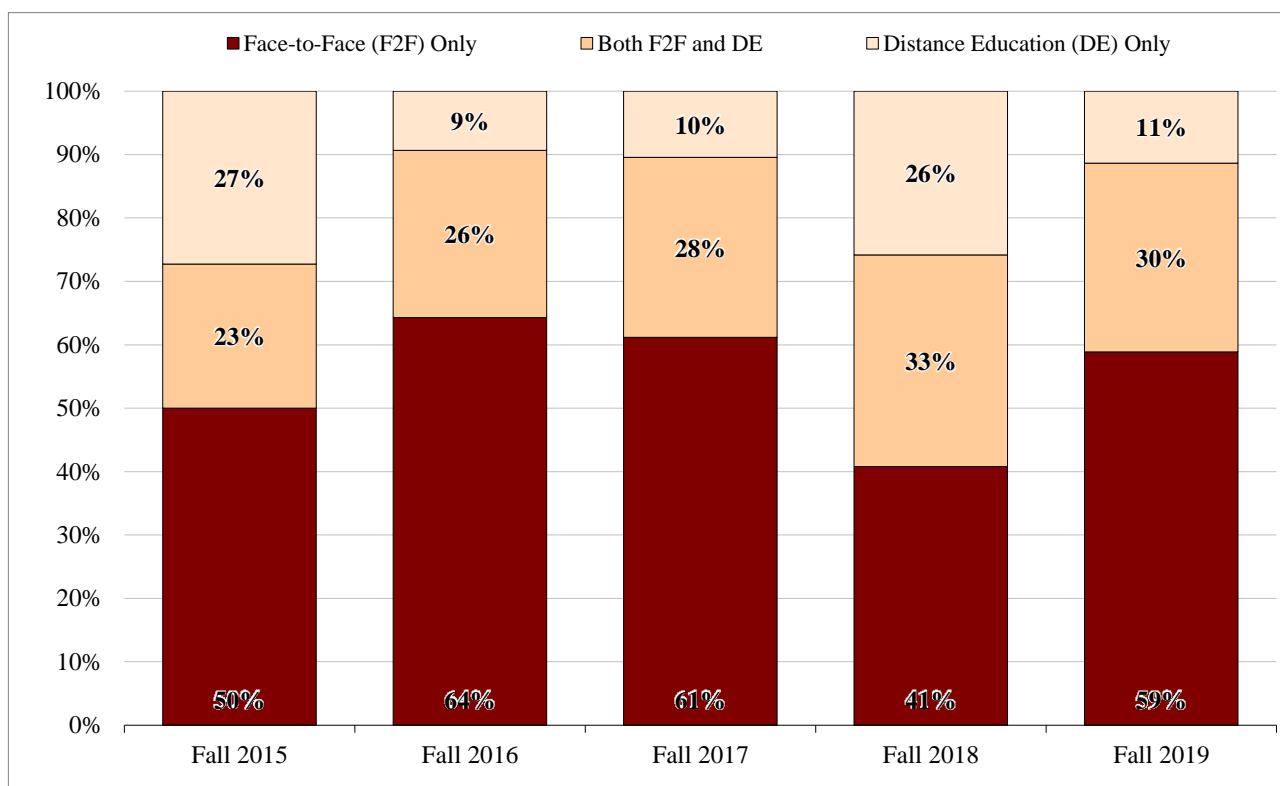
Student Unit Load

Astronomy (ASTR)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Full-Time (15+ units)	25	43	30	23	31
Full-Time (12 - 14.5)	53	76	76	51	50
Part-Time (6 - 11.5)	64	50	74	56	46
Part-Time (0.5 - 5.5)	12	13	21	17	14
Non-Credit Only	—	—	—	—	—
% Full-Time (15+ units)	16%	24%	15%	16%	22%
% Full-Time (12 - 14.5)	34%	42%	38%	35%	35%
% Part-Time (6 - 11.5)	42%	27%	37%	38%	33%
% Part-Time (0.5 - 5.5)	8%	7%	10%	12%	10%
% Non-Credit Only	—	—	—	—	—



Students Using Distance Education

Astronomy (ASTR)					
<i>(Categories reflect college-wide coursework)</i>	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Face-to-Face (F2F) Only	77	117	123	60	83
Both F2F and DE	35	48	57	49	42
Distance Education (DE) Only	42	17	21	38	16
% Face-to-Face (F2F) Only	50%	64%	61%	41%	59%
% Both F2F and DE	23%	26%	28%	33%	30%
% Distance Education (DE) Only	27%	9%	10%	26%	11%

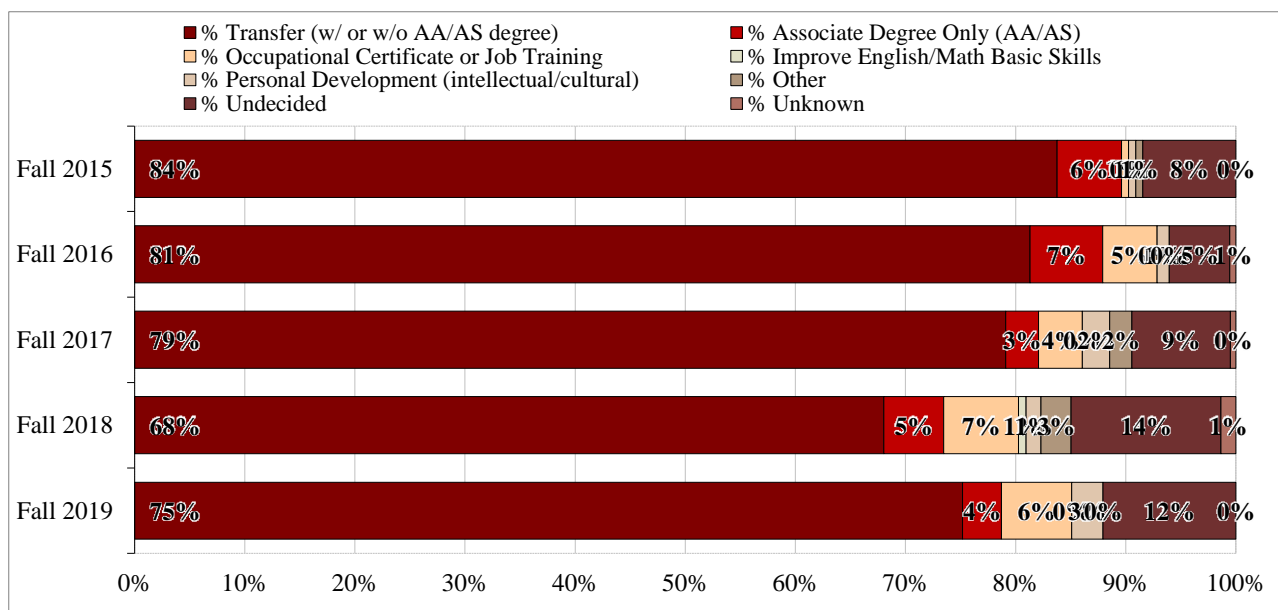


Definitions:

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

Student Educational Goal

Astronomy (ASTR)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Transfer (w/ or w/o AA/AS degree)	129	148	159	100	106
Associate Degree Only (AA/AS)	9	12	6	8	5
Occupational Certificate or Job Training	1	9	8	10	9
Improve English/Math Basic Skills	0	0	0	1	0
Personal Development (intellectual/cultural)	1	2	5	2	4
Other	1	0	4	4	0
Undecided	13	10	18	20	17
Unknown	0	1	1	2	0
% Transfer (w/ or w/o AA/AS degree)	84%	81%	79%	68%	75%
% Associate Degree Only (AA/AS)	6%	7%	3%	5%	4%
% Occupational Certificate or Job Training	1%	5%	4%	7%	6%
% Improve English/Math Basic Skills	0%	0%	0%	1%	0%
% Personal Development (intellectual/cultural)	1%	1%	2%	1%	3%
% Other	1%	0%	2%	3%	0%
% Undecided	8%	5%	9%	14%	12%
% Unknown	0%	1%	0%	1%	0%



Definitions:

Transfer: Students who want to transfer to a 4-year university. Includes students enrolled in 4-year institutions completing requirements at LPC.

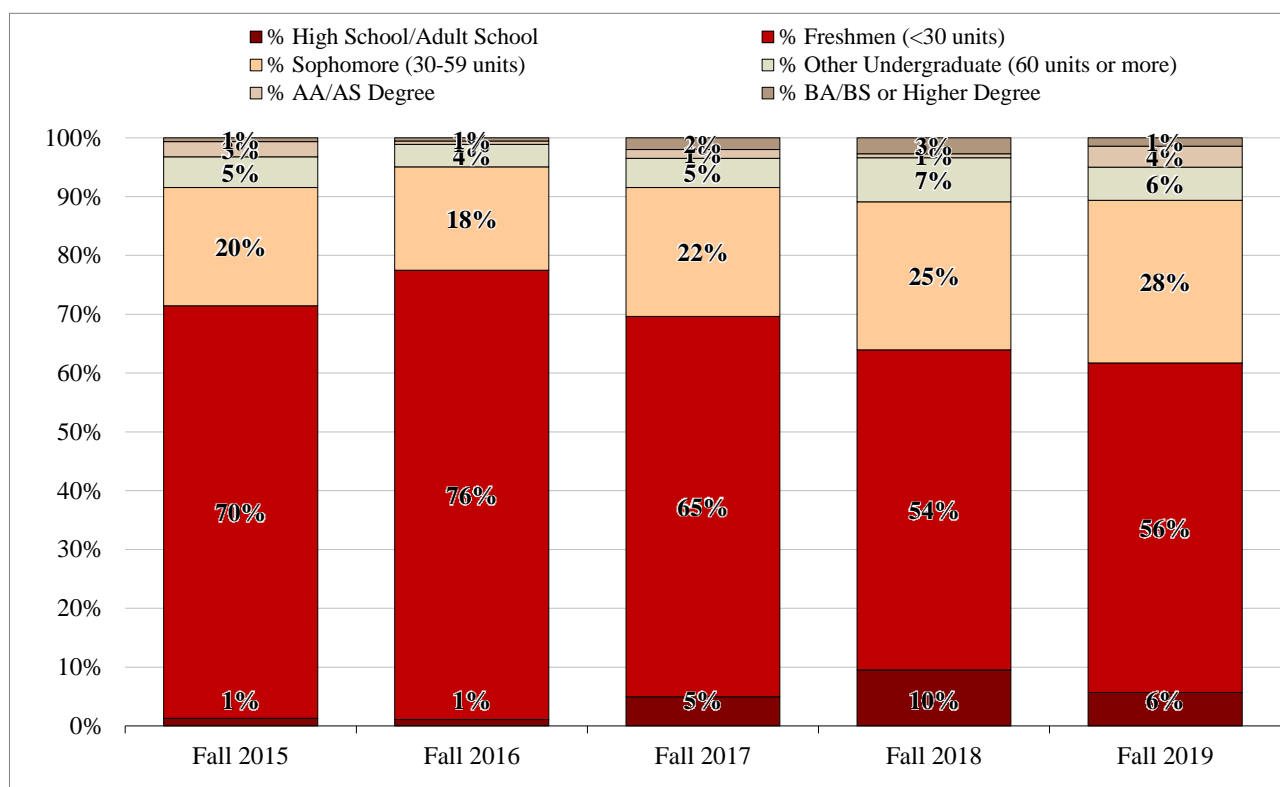
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

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.

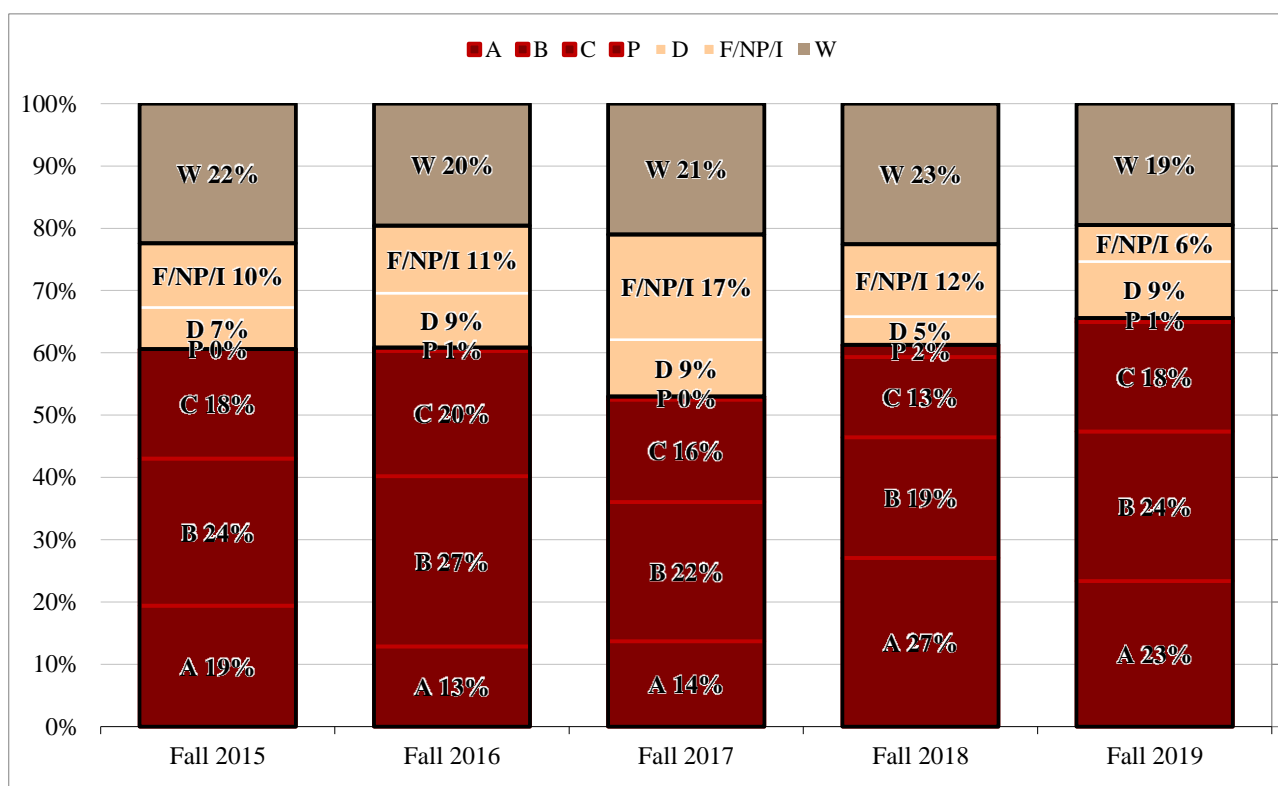
Highest Educational Level of Students

Astronomy (ASTR)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
High School/Adult School	2	2	10	14	8
Freshmen (<30 units)	108	139	130	80	79
Sophomore (30-59 units)	31	32	44	37	39
Other Undergraduate (60 units or more)	8	7	10	11	8
AA/AS Degree	4	1	3	1	5
BA/BS or Higher Degree	1	1	4	4	2
% High School/Adult School	1%	1%	5%	10%	6%
% Freshmen (<30 units)	70%	76%	65%	54%	56%
% Sophomore (30-59 units)	20%	18%	22%	25%	28%
% Other Undergraduate (60 units or more)	5%	4%	5%	7%	6%
% AA/AS Degree	3%	1%	1%	1%	4%
% BA/BS or Higher Degree	1%	1%	2%	3%	1%



Student Performance: Grade Distribution

Astronomy (ASTR)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Total Course Enrollments	165	194	219	155	154
Course Success Rates	61%	61%	53%	61%	66%
A	19%	13%	14%	27%	23%
B	24%	27%	22%	19%	24%
C	18%	20%	16%	13%	18%
P	0%	1%	<1%	2%	1%
Course Non-Success Rate	17%	20%	26%	16%	15%
D	7%	9%	9%	5%	9%
F/NP/I	10%	11%	17%	12%	6%
Withdrawals (W)	22%	20%	21%	23%	19%



Definitions:

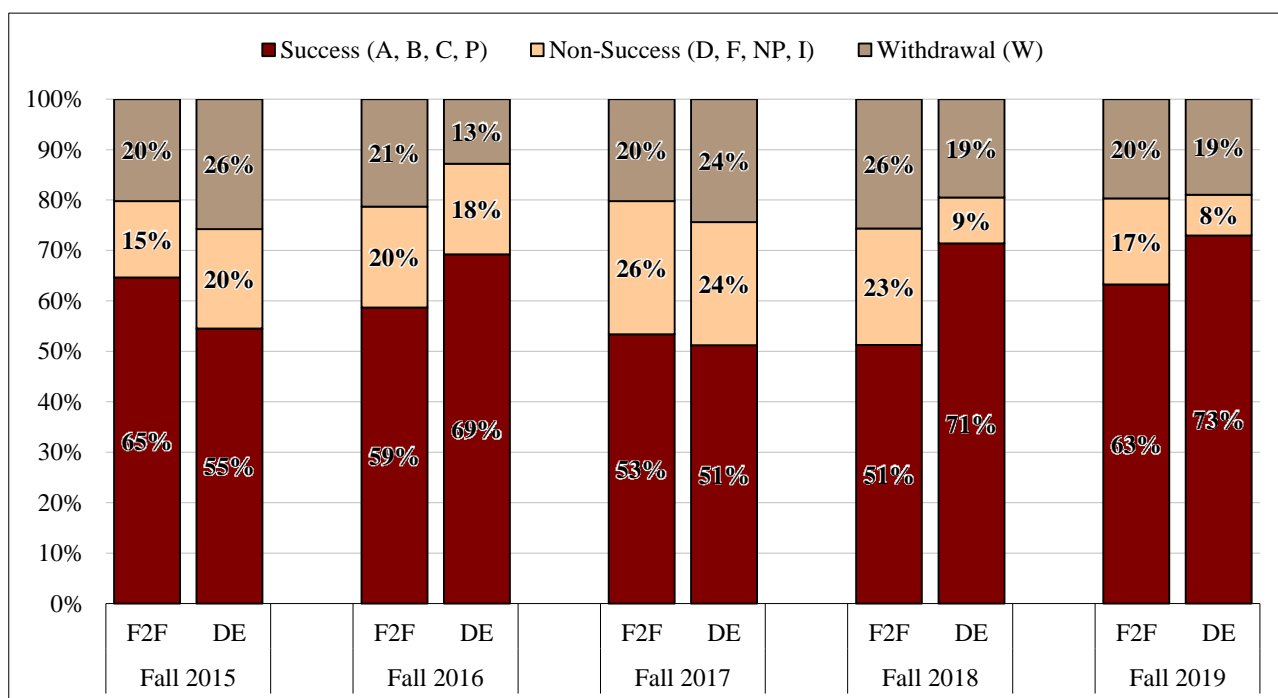
Course Success Rate is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

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.

Student Performance: Distance Education

Astronomy (ASTR)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Total Course Enrollments	165	194	219	155	154
Face-to-Face (F2F) Sections	99	155	178	78	117
Success Rates	65%	59%	53%	51%	63%
Non-Success Rates	15%	20%	26%	23%	17%
Withdrawals	20%	21%	20%	26%	20%
Distance Education (DE) Sections	66	39	41	77	37
Success Rates	55%	69%	51%	71%	73%
Non-Success Rates	20%	18%	24%	9%	8%
Withdrawals	26%	13%	24%	19%	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.

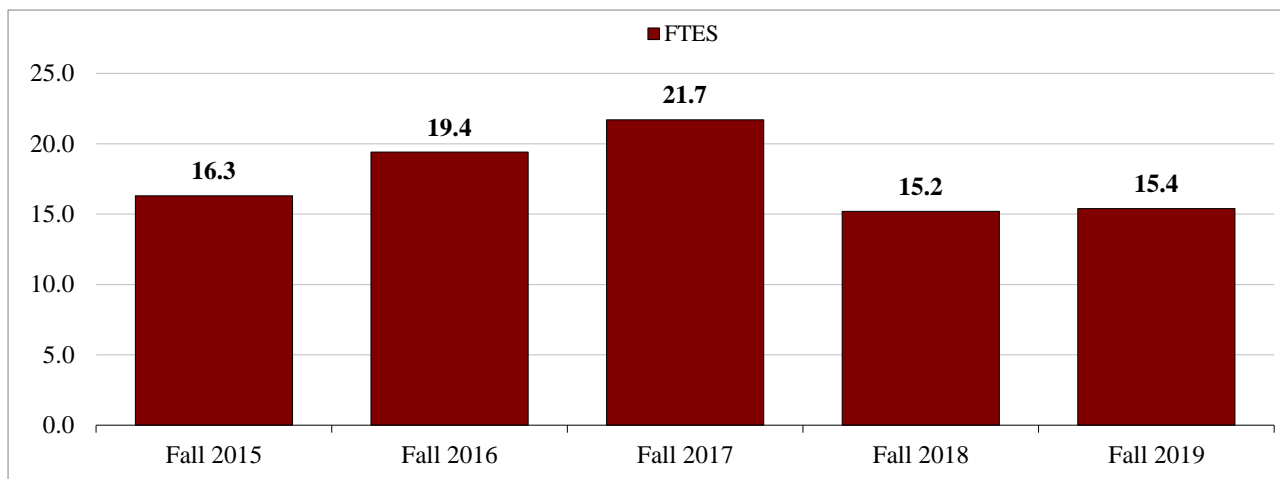
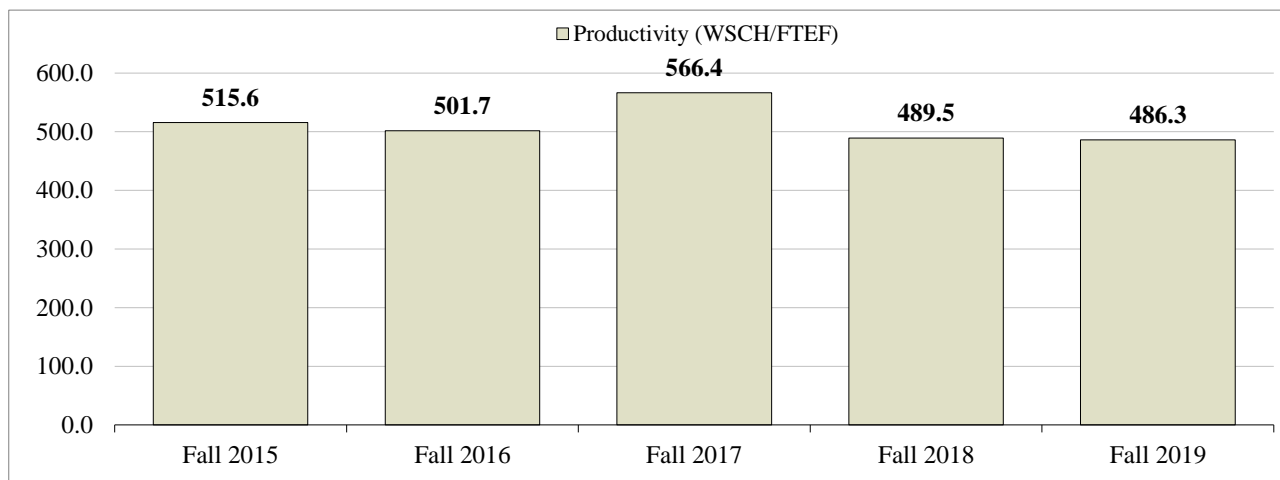
Course Non-Success Rate is the percentage of students receiving a grade of ('D', 'F', 'NP or 'T') relative to all students receiving a grade.

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

	Astronomy (ASTR)				
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
WSCH	495	582	657	465	462
FTES	16.3	19.4	21.7	15.2	15.4
FTEF	1.0	1.2	1.2	1.0	1.0
Productivity (WSCH/FTEF)	515.6	501.7	566.4	489.5	486.3



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.

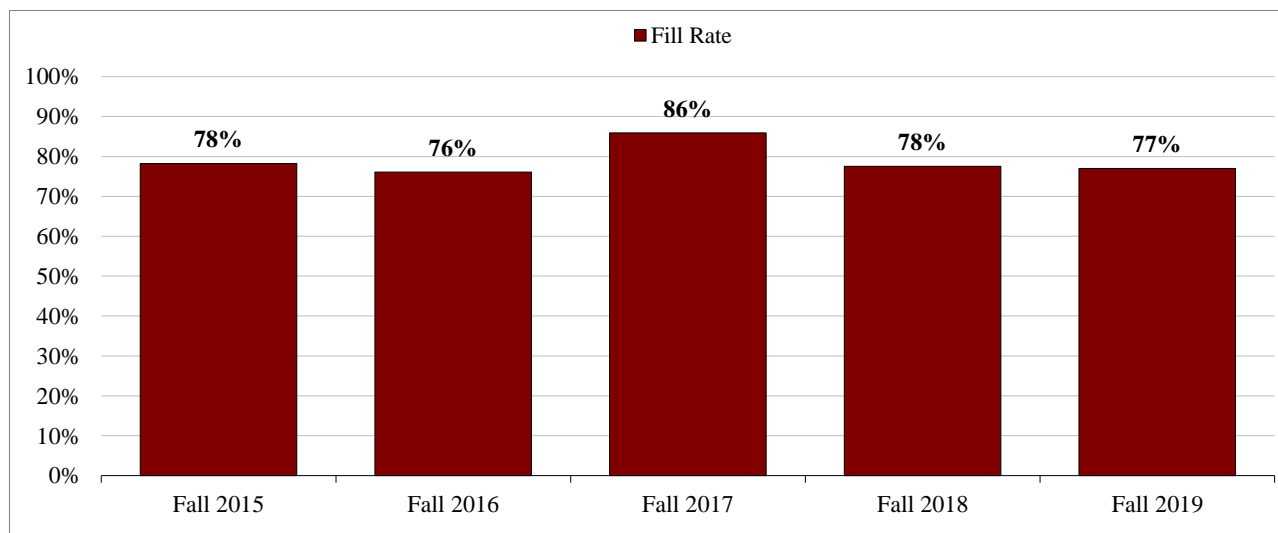
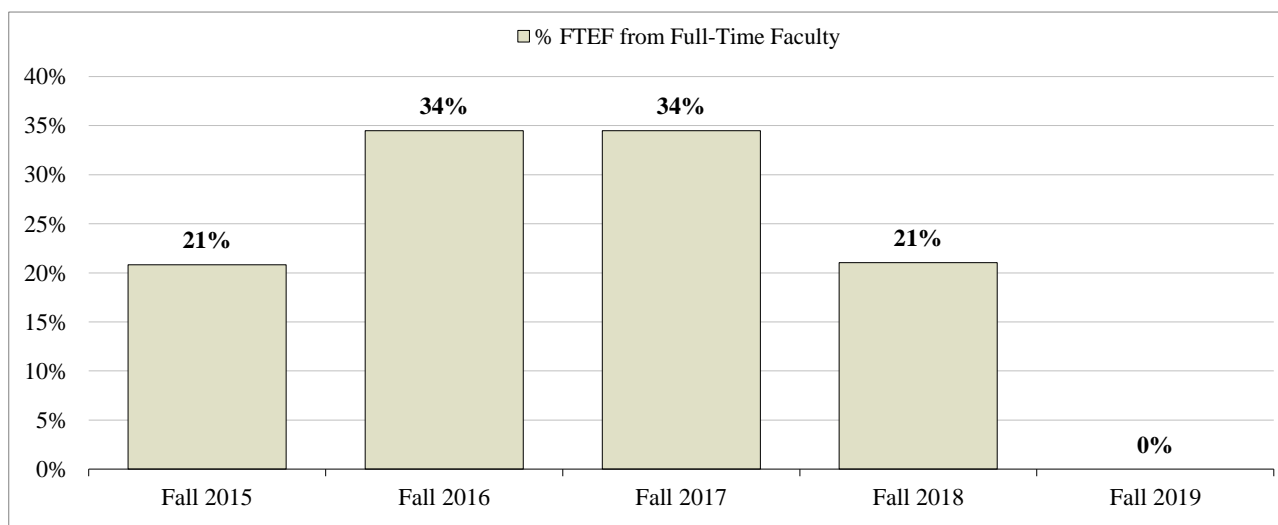
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

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 7/14/20.

Enrollment Management: Part 2

Astronomy (ASTR)					
	Term				
	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
FTEF from Full-Time Faculty	0.2	0.4	0.4	0.2	0.0
% FTEF from Full-Time Faculty	21%	34%	34%	21%	0%
Enrollments	165	194	219	155	154
Capacity (seats available)	211	255	255	200	200
Fill Rate	78%	76%	86%	78%	77%



Definitions:

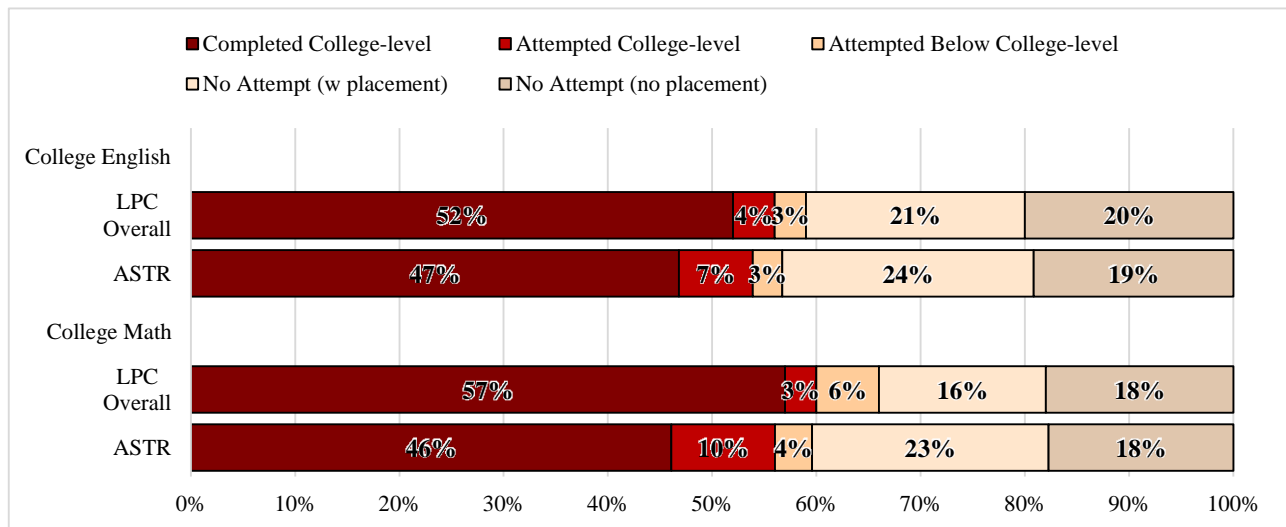
Fill Rate is number of enrollments over the total capacity (seats available).

% 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 / TUTR 200; latest data accessed on 7/14/20.

College Readiness: English & Math Proficiency

Fall 2019				
	ASTR		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	66	47%	4,712	52%
Attempted College-level	10	7%	393	4%
Attempted Below College-level	4	3%	261	3%
No Attempt (with placement)	34	24%	1,887	21%
No Attempt (no placement)	27	19%	1,811	20%
College Math				
Completed College-level	65	46%	5,193	57%
Attempted College-level	14	10%	302	3%
Attempted Below College-level	5	4%	538	6%
No Attempt (with placement)	32	23%	1,405	16%
No Attempt (no placement)	25	18%	1,623	18%



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 Attempt (w placement) = no previous English enrollments within the sequence but has used a placement tool.

No 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 Attempt (w placement) = no previous Math enrollments within the sequence but has used a placement tool.

No Attempt (no placement) = no previous Math enrollments within the sequence and did not utilize a placement tool.