



Lincoln University
LEARN. LIBERATE. LEAD.

www.lincoln.edu

**Office of Institutional Effectiveness,
Research, and Planning**
Wright Hall, 3rd Floor
484-365-7842

SAP STUDENT ANALYSIS

February 2021

Undergraduate SAP Retention
Fall 2017 to Fall 2020

Table of Contents

General Explanations 3

Key Points..... 4

I. How many first-time SAP students are in each term from Fall 2017 to Fall 2020? 5

II. How do first-time SAP students break-down by sex, Pell status and class level of each semester?..... 6

III. What are the retention and graduation rates for first-time SAP students from each semester?..... 8

IV. How many terms do the first-time SAP students remain as SAP? 12

Undergraduate SAP Retention Fall 2017 to Fall 2020

General Explanations

- Satisfactory Academic progress (SAP) will be evaluated for all students (full or part-time) at the end of each Academic Year (end of spring semester). Students who enroll at the mid-point (January) of an academic year or attend one semester only will also be evaluated at the end of the Spring semester.
- To ensure Satisfactory Academic Progress students must meet all of the following standards:
 - Minimum Cumulative Grade Point Average (GPA)
 - Minimum Completion Standard for Attempted Credit Hours
 - Maximum Time Frame for Degree Completion
- If a student has enrolled in a Fall term with an SAP student status, the student stays as an SAP student or vice versa for 2 consecutive terms (Fall and Spring).
- If a student's status was not SAP in the previous academic year and if this student's status changed from a normal student to an SAP student for the first time, this student is labeled as a "first-time SAP Student" in the first term they enrolled.
- If a student is evaluated as an SAP student at the end of any Academic Year (end of spring semester) and took one or more terms off, the student starts with SAP status upon their return (whether the student starts in Fall or Spring).
- Since SAP evaluation is conducted for all students at the end of each Academic Year (end of Spring semester), status of a student will not change mid-year.
- This analysis is conducted from Fall 2017 to Fall 2020. All Fall and Spring terms are included.
- This report will answer the following four questions: 1) How many first-time SAP students are in each term from Fall 2017 to Fall 2020? 2) How do first-time SAP students break-down by sex, Pell status and class level of each semester? 3) What are the retention and graduation rates for first-time SAP students from each semester? 4) How many terms do the first-time SAP students remain as SAP?

Undergraduate SAP Retention Fall 2017 to Fall 2020

Key Points

- 1) In Fall terms, first-time SAP students to total Undergraduate students ratio fluctuated between 1.6% to 3.5%. Whereas, in Spring terms, first-time SAP students to total Undergraduate students ratio fluctuated between 0.2% to 0.5%.
- 2) Retention rates (retention to following term) of Pell recipients are higher than retention rates of non-Pell recipients in Fall 2018, Spring 2019 and Fall 2019. Whereas retention rates of non-Pell recipients are higher than retention rate of Pell recipients in Fall 2017 and Spring 2018.
- 3) Retention rates (retention to following year) of Pell recipients are higher than retention rates of non-Pell recipients in Fall 2017, Fall 2018 and Fall 2019. Whereas retention rates of non-Pell recipients are higher than retention rate of Pell recipients in Spring 2018 and Spring 2019.
- 4) Graduation rates of Pell recipients are higher in Fall 2017 and Spring 2019, whereas graduation rates of non-Pell recipients are higher in Spring 2018, Fall 2018 and Fall 2019.
- 5) Retention rates (retention to following term) of female SAP students are higher than retention rates of male SAPs in Fall 2017, Fall 2018, Spring 2019, Fall 2019 and Spring 2020.
- 6) Male SAP students have slightly higher retention rates (retention to following year) than female SAPs in Fall 2017, Spring 2019 and Fall 2019
- 7) Graduation rates of male SAP students are higher than female SAPs in Fall 2017, Fall 2018 and Spring 2019 whereas female SAP students have higher graduation rates in Spring 2018 and Fall 2019.
- 8) The average length of remaining in SAP status declines over time. However, please note that average length of SAP status will by definition be shorter for semesters closer to fall 2020 given the reduction in the number of terms observe.

Undergraduate SAP Retention Fall 2017 to Fall 2020

I. How many first-time SAP students are in each term from Fall 2017 to Fall 2020?

- 1) The count and percent of first-time SAP students are shown for each term in Table 1, Figure 1 and Figure 2.
- 2) For instance, based on Table 1, 41 out of 2,002 Undergraduate students were first-time SAP students in Fall 2017. In other words, first-time students were 2% of all Undergraduate students in Fall 2017.
- 3) In Figure 1 and Figure 2, X-axes show terms (Fall 2017, Spring 2018, etc.) and Undergraduate populations (such as n=2,002) of the related terms. Y-axes on the left side show percentage values of first-time SAP students in the related term. For example, in Figure 1, there were 2,002 students and 2% of them were first-time SAPs in Fall 2017. Similarly, y-axes on the right side show numbers of first-time SAP students in the related term. For example, in Figure 1, there were 2,002 students and 41 of them were first-time SAPs in Fall 2017.

Term	Undergraduate Students	First-time SAP Students	
		#	%
Fall 2017	2,002	41	2.0%
Spring 2018	1,965	6	0.3%
Fall 2018	2,122	41	1.9%
Spring 2019	2,007	10	0.5%
Fall 2019	2,040	71	3.5%
Spring 2020	1,867	4	0.2%
Fall 2020	1,897	31	1.6%

Table 1: Undergraduate Student population and first-time SAP student population by term

Undergraduate SAP Retention Fall 2017 to Fall 2020

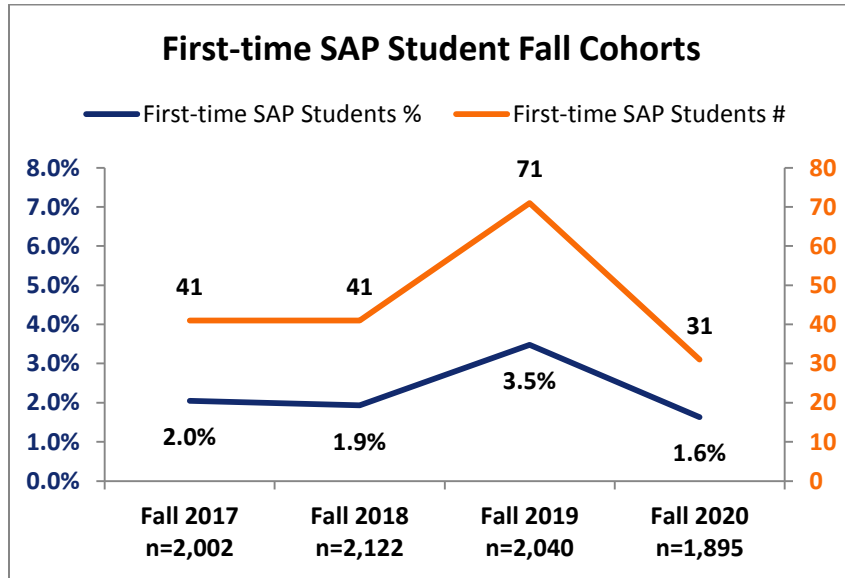


Figure 1: Count and percent trends of First-time SAP Student Fall Cohorts

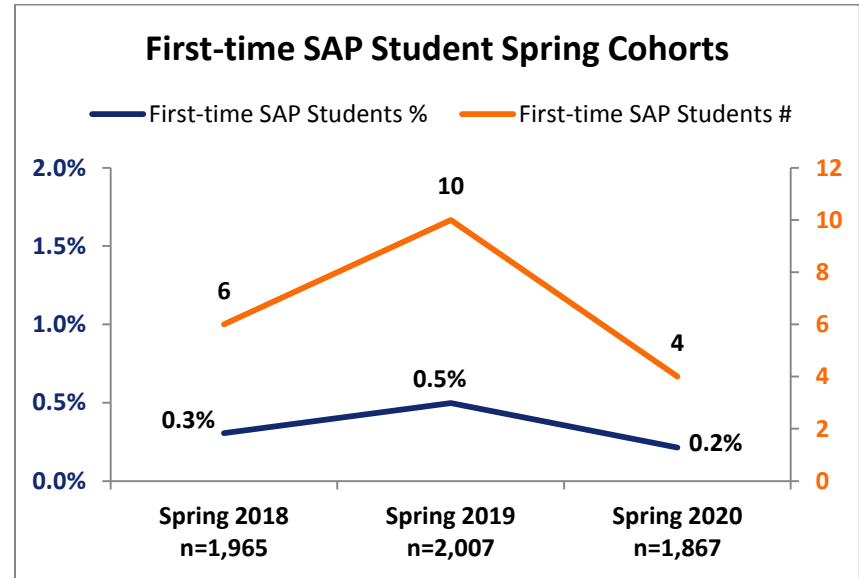


Figure 2: Count and percent trends of First-time SAP Student Spring Cohorts

II. How do first-time SAP students break-down by sex, Pell status and class level of each semester?

- 1) Figures 3 to 8 show historical trends of first-time SAP students by sex, Pell status and class level.
- 2) In Figures 3 and 4, x-axes show terms (Fall 2017, Spring 2018, etc.) and first-time SAP student populations (such as n=41) of the related terms. Trend lines show percentage values of first-time SAP students by sex. For example, based on Figure 3, there are 41 first-time SAPs in Fall 2017 (n=41) and 43.9% of those SAPs are male and 56.1% are female students.
- 3) In Figures 5 and 6, x-axes show terms (Fall 2017, Spring 2018, etc.) and first-time SAP student populations (such as n=41) of the related terms. Trend lines show percentage values of first-time SAP students by Pell status. For instance, based on Figure 5, there are 41 first-time SAPs in Fall 2017 (n=41) and 53.7% of those SAPs are Pell recipients, whereas 46.3% are non-Pell recipients.
- 4) In Figure 7 and 8, y-axes show terms (Fall 2017, Spring 2018, etc.) and first-time SAP student populations (such as n=41) of the related terms. Stacked bar-charts show percentage values of first-time SAP students by class level. For example, based on Figure 7, there are 41 first-time SAPs in Fall 2017 (n=41) and 63.4% of those SAPs are freshman, 14.6% are Sophomore, 12.2% are Junior and 9.8% are seniors.

Undergraduate SAP Retention Fall 2017 to Fall 2020

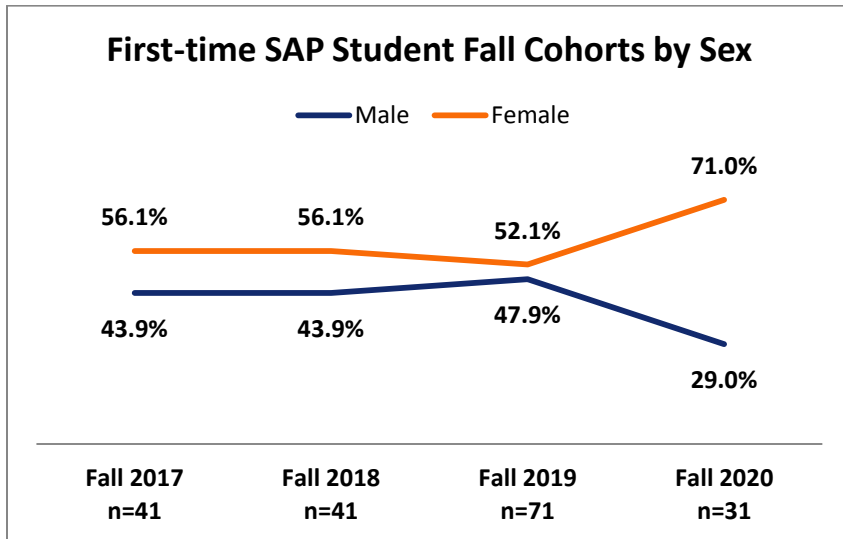


Figure 3: First-time SAP Student Fall Cohorts by sex

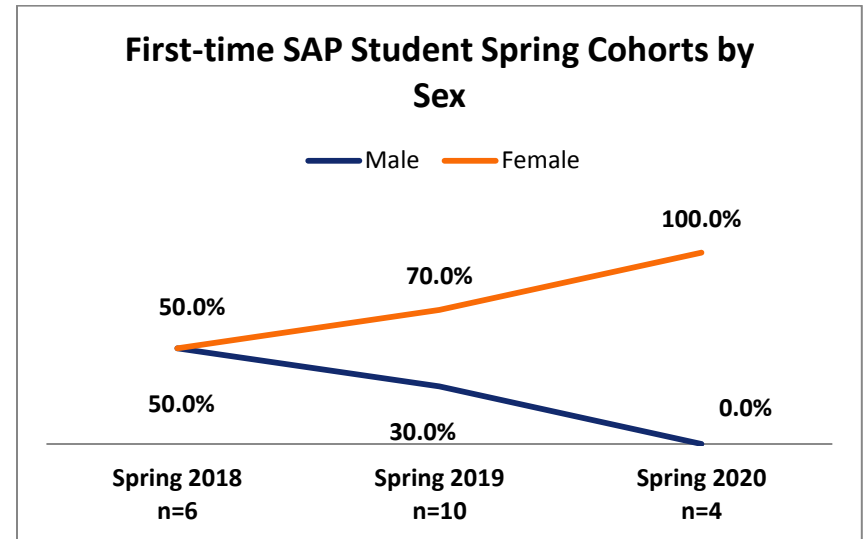


Figure 4: First-time SAP Student Spring Cohorts by Sex

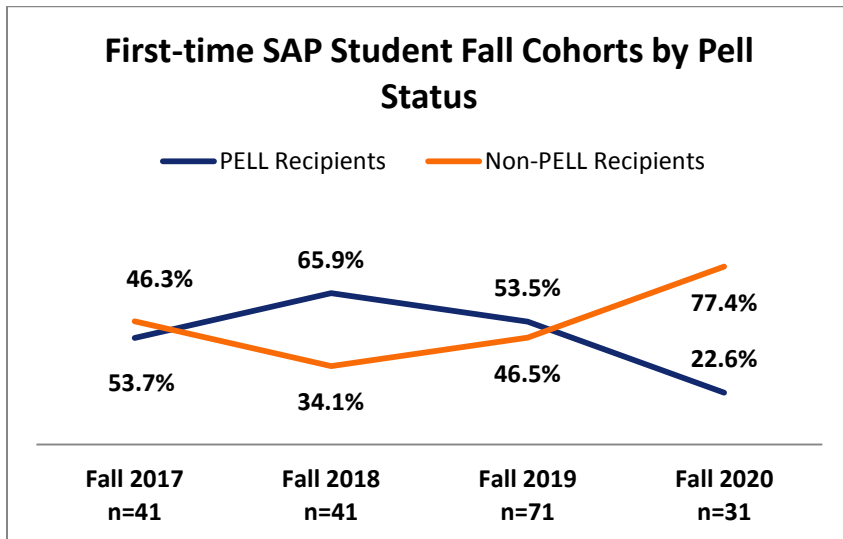


Figure 5: First-time SAP Student Fall Cohorts by Pell status

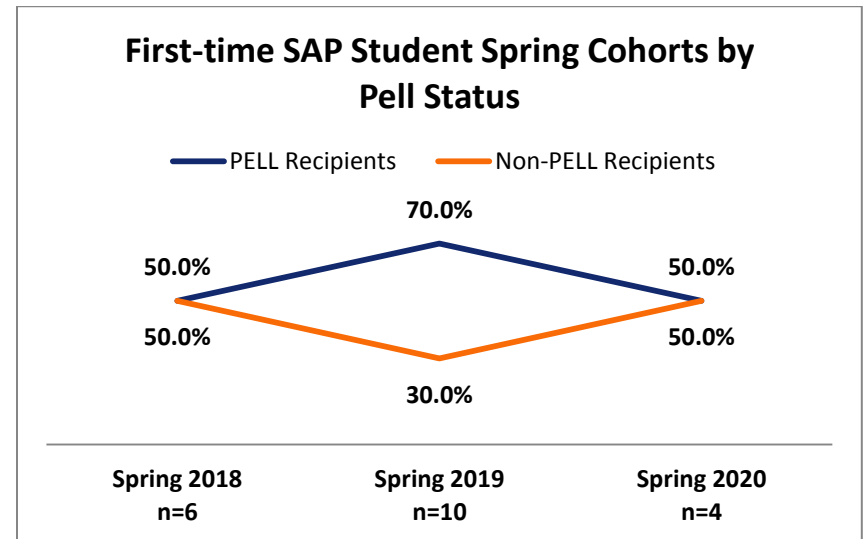


Figure 6: First-time SAP Student Spring Cohorts by Pell status

Undergraduate SAP Retention Fall 2017 to Fall 2020

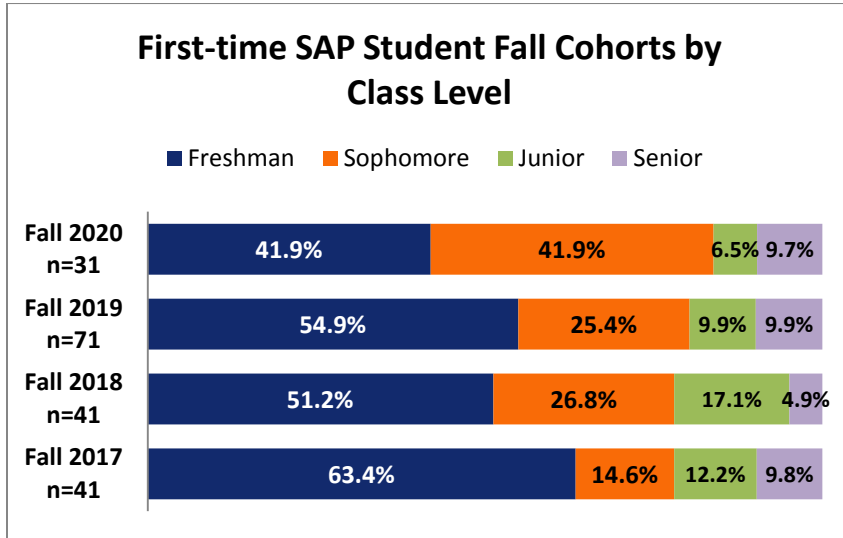


Figure 7: First-time SAP Student Fall Cohorts by Class level

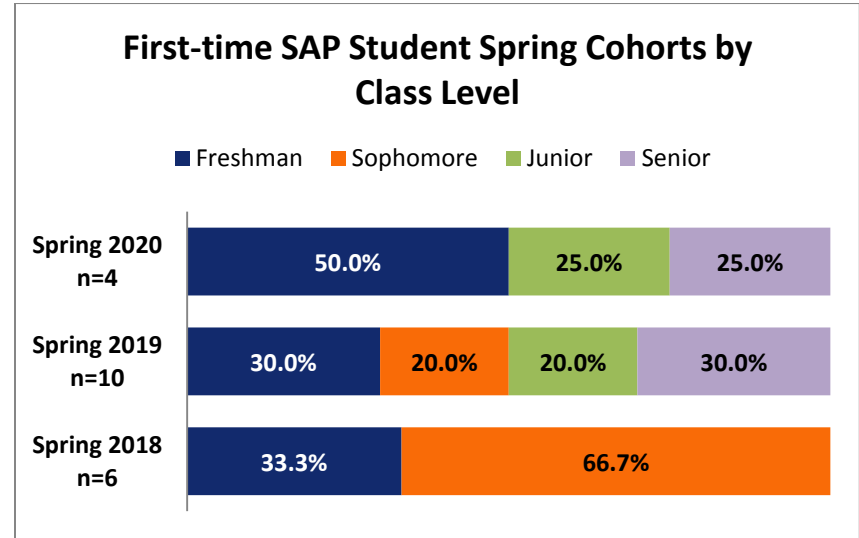


Figure 8: First-time SAP Student Spring Cohorts by Class Level

III. What are the retention and graduation rates for first-time SAP students from each semester?

- 1) Tables 3, 4 and 5 show enrollment distribution, next term retention rates, next year retention rates and graduation rates of the first-time SAP students from Fall 2017 to Spring 2020 by sex, Pell status and class level.
- 2) Graduation rate calculation:
 - a) Among students who were designated SAP for the first time in Fall 2017 (and were not SAP before), 10% graduated at any point between Fall 2017 and 06/30/2020. In other words, there were 41 first-time SAP students in Fall 2017 and 4 students graduated at any given time between Fall 2017 and 06/30/2020, then the graduation rate was calculated as $4/41=10\%$ (rounded up).
 - b) The same approach was used to determine relevant graduation ratios for students designated as first-time SAPs in every subsequent term following Fall 2017.
- 3) Retention rate columns are not excluding students who have graduated from the initial cohort count.

Undergraduate SAP Retention
Fall 2017 to Fall 2020

**Retention and Graduation Rates of First-time SAP Students in Fall 2017-Spring 2018
by Sex, Pell Status and Class Level**

First-time SAP Students	Enrollment			Retention Next Term			Retention Next Year			Graduation Rate		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Fall 2017	18	23	41	61%	87%	76%	44%	39%	41%	17%	4%	10%
PELL Recipients	8	11	19	38%	91%	68%	38%	45%	42%	25%	0%	11%
Freshman	7	8	15	43%	88%	67%	43%	63%	53%	29%	0%	13%
Sophomore	1	2	3	0%	100%	67%	0%	0%	0%	0%	0%	0%
Junior	0	1	1	0%	100%	100%	0%	0%	0%	0%	0%	0%
Senior	0	0	0	0%	0%	0%	0%	0%	0%	0%	0%	0%
Non-PELL Recipients	10	12	22	80%	83%	82%	50%	33%	41%	10%	8%	9%
Freshman	4	7	11	75%	86%	82%	50%	43%	45%	0%	0%	0%
Sophomore	2	1	3	50%	100%	67%	50%	0%	33%	0%	0%	0%
Junior	1	3	4	100%	100%	100%	100%	33%	50%	0%	33%	25%
Senior	3	1	4	100%	0%	75%	33%	0%	25%	33%	0%	25%
Spring 2018	3	3	6	67%	67%	67%	67%	67%	67%	0%	33%	17%
PELL Recipients	2	1	3	50%	0%	33%	50%	0%	33%	0%	0%	0%
Freshman	2	0	2	50%	0%	50%	50%	0%	50%	0%	0%	0%
Sophomore	0	1	1	0%	0%	0%	0%	0%	0%	0%	0%	0%
Junior	0	0	0	0%	0%	0%	0%	0%	0%	0%	0%	0%
Senior	0	0	0	0%	0%	0%	0%	0%	0%	0%	0%	0%
Non-PELL Recipients	1	2	3	100%	100%	100%	100%	100%	100%	0%	50%	33%
Freshman	0	0	0	0%	0%	0%	0%	0%	0%	0%	0%	0%
Sophomore	1	2	3	100%	100%	100%	100%	100%	100%	0%	50%	33%
Junior	0	0	0	0%	0%	0%	0%	0%	0%	0%	0%	0%
Senior	0	0	0	0%	0%	0%	0%	0%	0%	0%	0%	0%

Table 2: Retention and graduation rates of first-time SAP students in Fall 2017-Spring 2018 by sex, Pell status and class level

Undergraduate SAP Retention
Fall 2017 to Fall 2020

**Retention and Graduation Rates of First-time SAP Students in Fall 2018-Spring 2019
by Sex, Pell Status and Class Level**

First-time SAP Students	Enrollment			Retention Next Term			Retention Next Year			Graduation Rate		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Fall 2018	18	23	41	56%	61%	59%	33%	48%	41%	11%	0%	5%
PELL Recipients	9	18	27	78%	61%	67%	44%	50%	48%	11%	0%	4%
Freshman	4	11	15	50%	45%	47%	50%	36%	40%	0%	0%	0%
Sophomore	2	5	7	100%	80%	86%	50%	60%	57%	0%	0%	0%
Junior	2	2	4	100%	100%	100%	50%	100%	75%	0%	0%	0%
Senior	1	0	1	100%	0%	100%	0%	0%	0%	100%	0%	100%
Non-PELL Recipients	9	5	14	33%	60%	43%	22%	40%	29%	11%	0%	7%
Freshman	5	1	6	40%	100%	50%	40%	0%	33%	0%	0%	0%
Sophomore	1	3	4	0%	33%	25%	0%	33%	25%	0%	0%	0%
Junior	2	1	3	50%	100%	67%	0%	100%	33%	50%	0%	33%
Senior	1	0	1	0%	0%	0%	0%	0%	0%	0%	0%	0%
Spring 2019	3	7	10	33%	43%	40%	33%	29%	30%	33%	14%	20%
PELL Recipients	2	5	7	50%	40%	43%	50%	20%	29%	50%	20%	29%
Freshman	1	2	3	100%	50%	67%	100%	50%	67%	0%	0%	0%
Sophomore	0	1	1	0%	0%	0%	0%	0%	0%	0%	0%	0%
Junior	1	0	1	0%	0%	0%	0%	0%	0%	100%	0%	100%
Senior	0	2	2	0%	50%	50%	0%	0%	0%	0%	50%	50%
Non-PELL Recipients	1	2	3	0%	50%	33%	0%	50%	33%	0%	0%	0%
Freshman	0	0	0	0%	0%	0%	0%	0%	0%	0%	0%	0%
Sophomore	0	1	1	0%	0%	0%	0%	0%	0%	0%	0%	0%
Junior	1	0	1	0%	0%	0%	0%	0%	0%	0%	0%	0%
Senior	0	1	1	0%	100%	100%	0%	100%	100%	0%	0%	0%

Table 3: Retention and graduation rates of first-time SAP students in Fall 2018-Spring 2019 by sex, Pell status and class level

Undergraduate SAP Retention
Fall 2017 to Fall 2020

**Retention and Graduation Rates of First-time SAP Students in Fall 2019-Spring 2020
by Sex, Pell Status and Class Level**

First-time SAP Students	Enrollment			Retention Next Term			Retention Next Year			Graduation Rate		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Fall 2019	34	37	71	59%	65%	62%	32%	27%	30%	3%	8%	6%
PELL Recipients	16	22	38	75%	68%	71%	38%	27%	32%	6%	5%	5%
Freshman	8	13	21	88%	77%	81%	38%	23%	29%	0%	0%	0%
Sophomore	4	6	10	50%	50%	50%	50%	33%	40%	0%	0%	0%
Junior	2	1	3	100%	100%	100%	50%	100%	67%	0%	0%	0%
Senior	2	2	4	50%	50%	50%	0%	0%	0%	50%	50%	50%
Non-PELL Recipients	18	15	33	44%	60%	52%	28%	27%	27%	0%	13%	6%
Freshman	10	8	18	50%	50%	50%	40%	25%	33%	0%	0%	0%
Sophomore	5	3	8	60%	67%	63%	20%	33%	25%	0%	0%	0%
Junior	2	2	4	0%	100%	50%	0%	50%	25%	0%	50%	25%
Senior	1	2	3	0%	50%	33%	0%	0%	0%	0%	50%	33%
Spring 2020	0	4	4	0%	50%	50%	0%	0%	0%	0%	0%	0%
PELL Recipients	0	2	2	0%	50%	50%	0%	0%	0%	0%	0%	0%
Freshman	0	1	1	0%	0%	0%	0%	0%	0%	0%	0%	0%
Sophomore	0	0	0	0%	0%	0%	0%	0%	0%	0%	0%	0%
Junior	0	1	1	0%	100%	100%	0%	0%	0%	0%	0%	0%
Senior	0	0	0	0%	0%	0%	0%	0%	0%	0%	0%	0%
Non-PELL Recipients	0	2	2	0%	50%	50%	0%	0%	0%	0%	0%	0%
Freshman	0	1	1	0%	100%	100%	0%	0%	0%	0%	0%	0%
Sophomore	0	0	0	0%	0%	0%	0%	0%	0%	0%	0%	0%
Junior	0	0	0	0%	0%	0%	0%	0%	0%	0%	0%	0%
Senior	0	1	1	0%	0%	0%	0%	0%	0%	0%	0%	0%

Table 4: Retention and graduation rates of first-time SAP students in Fall 2019-Spring 2020 by sex, Pell status and class level

Undergraduate SAP Retention Fall 2017 to Fall 2020

IV. How many terms do the first-time SAP students remain as SAP?

- 1) Table 5 shows how many terms the first-time SAP students remain on SAP status after they are identified as SAP students.
- 2) For instance, based on the data on first row of Table 5, there were 41 first-time SAP students in Fall 2017. 10 students out of 41 first-time SAP students remained as SAP for 1 term, 22 remained as SAP for 2 terms, 3 remained as SAP for 3 terms, etc. Same row also indicates that 24.4% of 41 first-time SAP students remained as SAP for 1 term, 53.7% remained as SAP for 2 terms, 7.3% remained as SAP for 3 terms.
- 3) In Figure 9 y-axis shows terms (Fall 2017, Spring 2018, etc.) and first-time SAP student populations (such as n=41) of the related terms. Colored sections of the stacked bar indicate different term counts (1 term, 2 terms, etc.). For example, in Fall 2017, 24.4% of 41 first-time SAP students remained as SAP for 1 term (dark blue), 53.7% remained for 2 terms (orange), 7.3% remained for 3 terms (green), 9.8% remained for 4 terms (light purple) and 4.9% remained 5 terms or more (red).
- 4) Please note that average length of SAP status will by definition be shorter for semesters closer to fall 2020 given the reduction in the number of terms observe.

Length of SAP Status of First-time SAP Student Cohorts by Term Count

Term	First-time SAP Student	1 Term		2 Terms		3 Terms		4 Terms		5+ Terms	
		#	%	#	%	#	%	#	%	#	%
Fall 2017	41	10	24.4%	22	53.7%	3	7.3%	4	9.8%	2	4.9%
Spring 2018	6	5	83.3%	0	0.0%	1	16.7%	0	0.0%	0	0.0%
Fall 2018	41	17	41.5%	15	36.6%	2	4.9%	6	14.6%	1	2.4%
Spring 2019	10	7	70.0%	1	10.0%	1	10.0%	1	10.0%		
Fall 2019	71	27	38.0%	32	45.1%	12	16.9%				
Spring 2020	4	4	100.0%	0	0.0%						
Fall 2020	31										

Table 5: Length of SAP Status of first-time SAP Student cohorts by term

Undergraduate SAP Retention Fall 2017 to Fall 2020

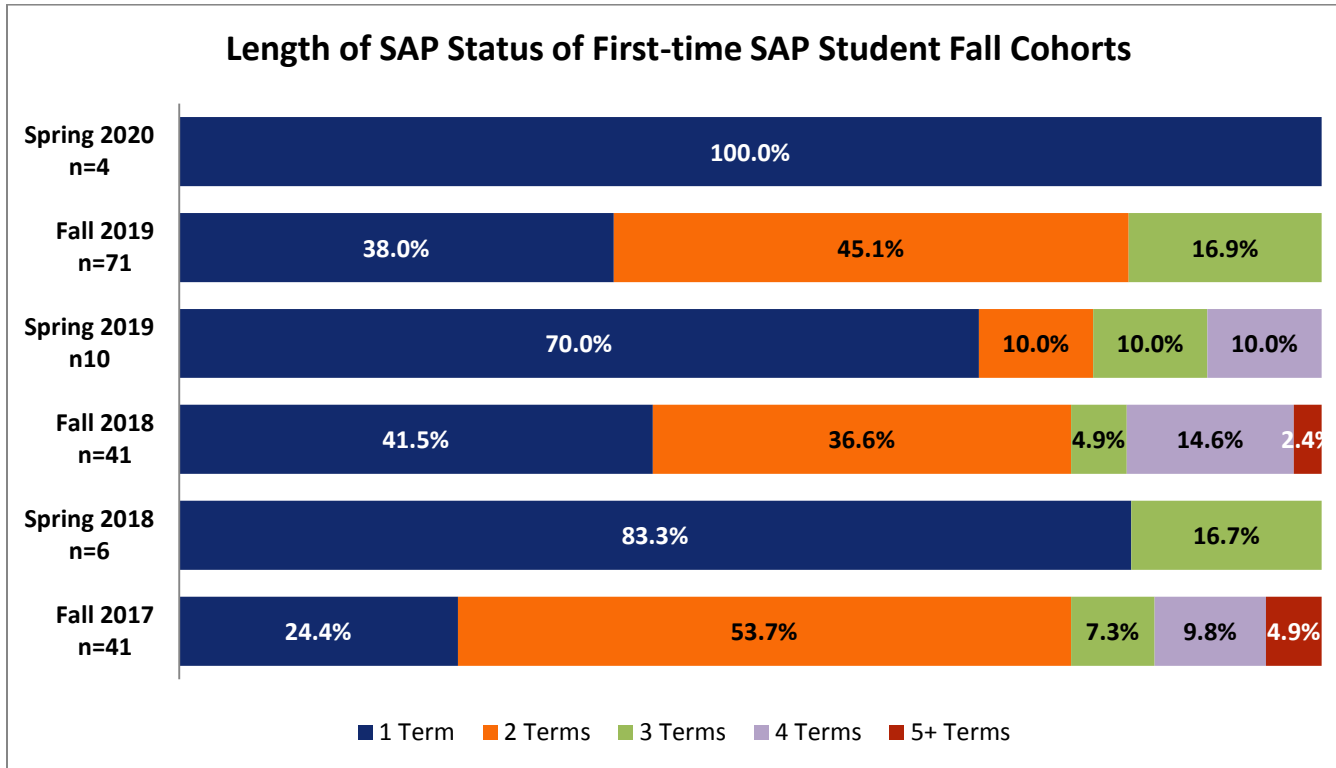


Figure 9: Length of SAP status of first-time SAP student cohorts