



## Fall Enrollment Projection Markov Transition Model

**Last Updated:  
September 20, 2019**

Note on methods: Persistence rates for each class level are calculated and applied to the number of students enrolled in the most recent fall term. The number of new students are estimated to be equal to the number of new students in the previous fall. For the last five years, new students have comprised about 40% of the enrollment. We consider these projections to be experimental and encourage using the results as one type of benchmark.

Summary Table

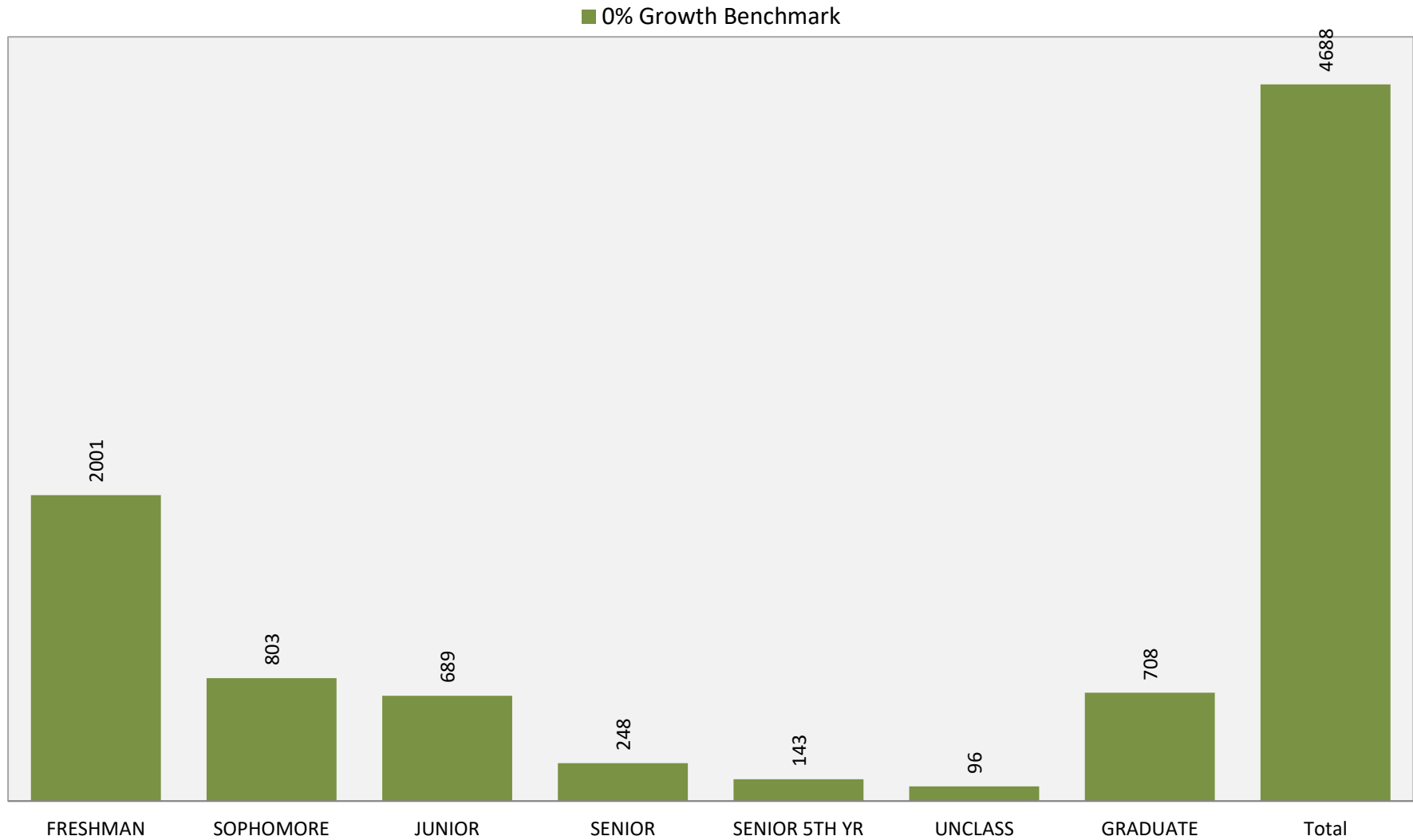
Student Level	Fall 2018 EOT	Fall 2019 Census	Fall 2020 Estimate	Est. 1yr Delta	Est. 1yr Delta (%)
FRESHMAN	2676	2423	2379	-44	-1.8%
SOPHOMORE	2196	2168	2050	-118	-5.5%
JUNIOR	2334	2274	2244	-30	-1.3%
SENIOR	2230	2307	2275	-32	-1.4%
SENIOR 5TH YR	1014	960	962	2	0.2%
UNCLASS	154	130	125	-5	-3.9%
GRADUATE	1968	1918	1888	-30	-1.6%
TOTAL	12572	12180	11923	-257	-2.1%

Persistence Rate Comparisons per Level by Year

Student Level	2013 - 14	2014 - 15	2015 - 16	2016 - 17	2017 - 18	2018-19
FRESHMAN	65%	66%	67%	63%	64%	65%
SOPHOMORE	77%	77%	77%	77%	75%	77%
JUNIOR	77%	78%	78%	78%	79%	82%
SENIOR	42%	44%	41%	40%	42%	41%
SENIOR 5TH YR	34%	34%	32%	33%	34%	30%
UNCLASS	32%	26%	24%	32%	29%	34%
GRADUATE	57%	57%	59%	55%	59%	57%
TOTAL	61%	62%	62%	61%	61%	62%

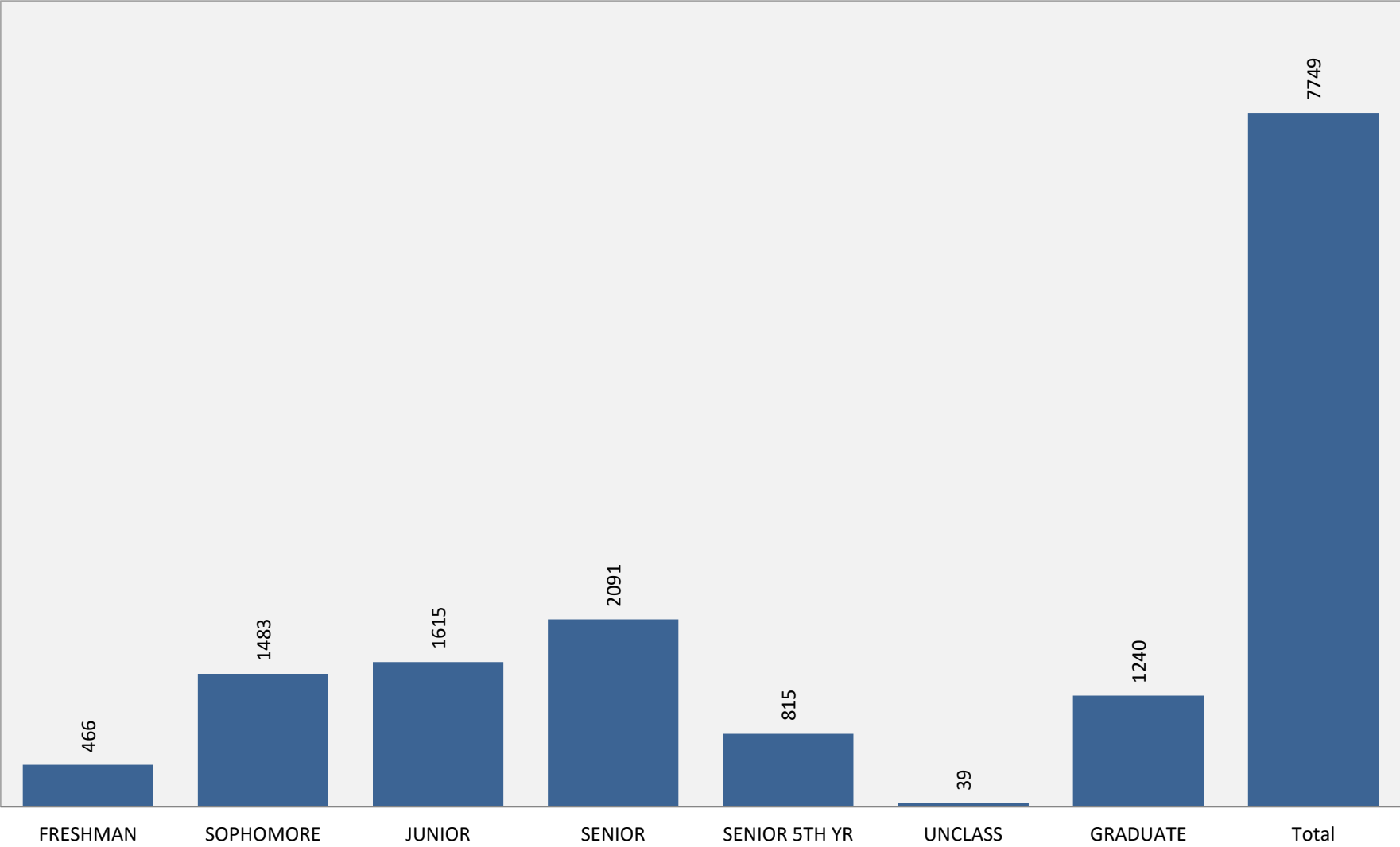
## Given Same Persistence Rates as Last Year, New Fall 2020 Students Needed to Reach Growth Benchmarks

\*new students are incoming students (first-year, transfer, readmits, etc.) who were not enrolled the previous fall semester; they may be continuing from the spring or summer semester

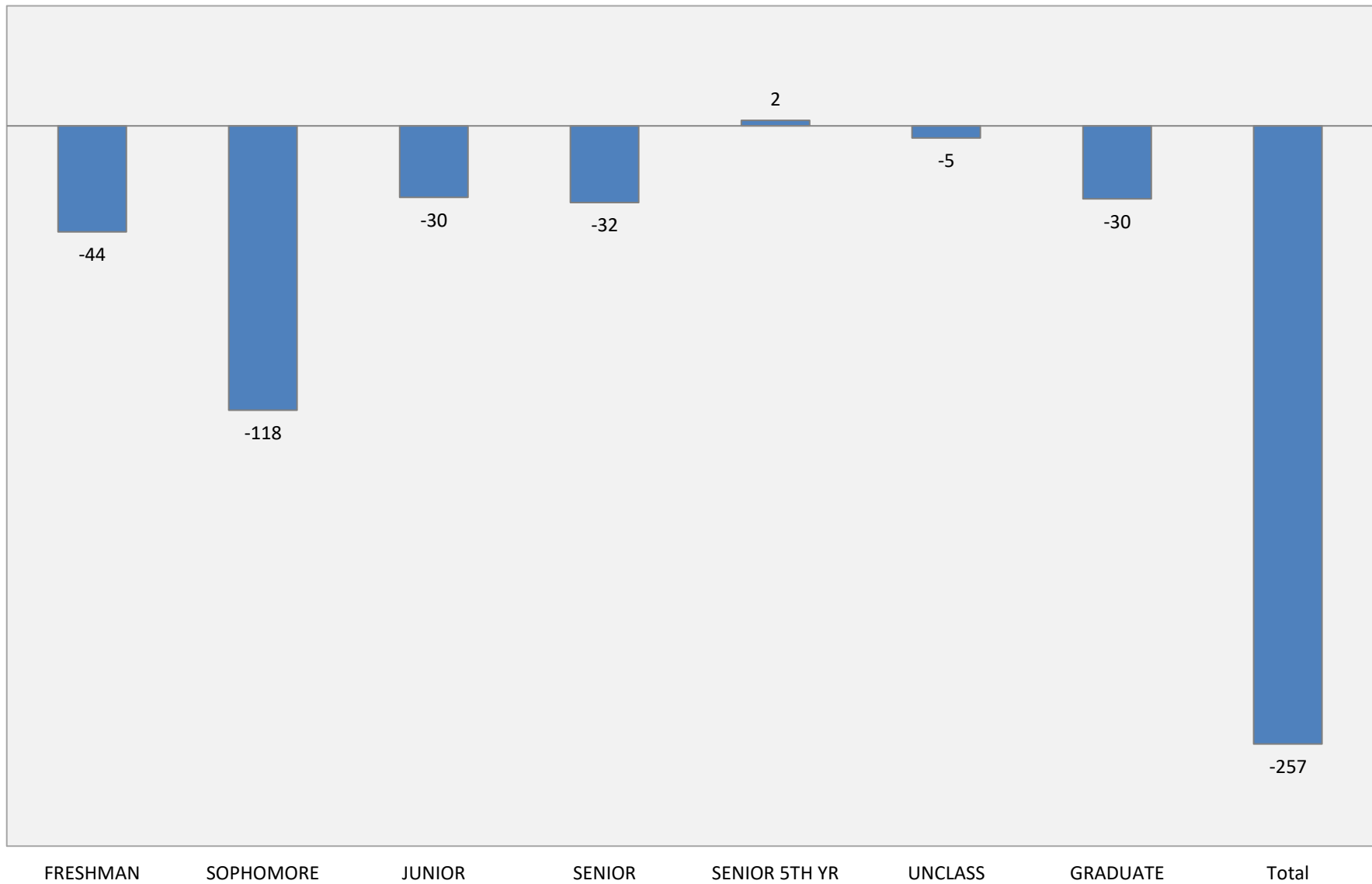


# Given Same Number of New Students as Last Year, Fall 2020 Persisting Students Needed to Reach Growth Benchmarks

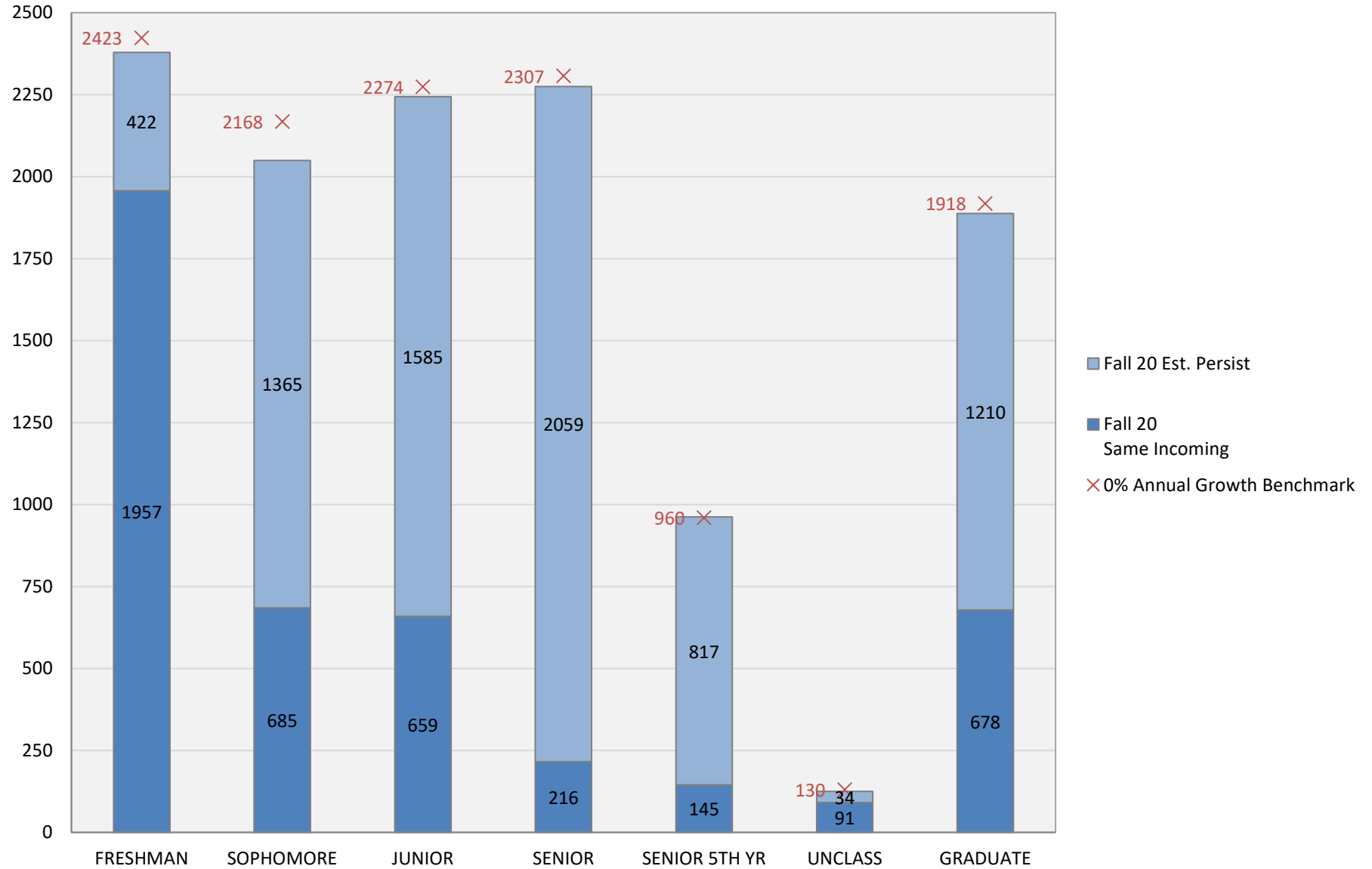
■ 0% Growth Benchmark



## Fall 2020 Enrollment Projection per Student Level (Delta vs. Fall 2019)



## Fall 2020 Estimate of Persisting and New Students by Class Level Compared to Growth Benchmarks



# Accuracy of Enrollment Projections

Estimate Actual Census Delta Retained Student Delta New Student Delta

