

**RESEARCH BRIEF**

**Student Achievement Criteria at NOVA:  
Course Success by Select Student Characteristics**

Northern Virginia Community College (NOVA) is deeply committed to the values of student access and student success. NOVA demonstrates this commitment by using evidence-based decision making to improve opportunities for students to succeed. After a long-standing history of evaluating outcomes related to retention, graduation, and other evolving priorities, NOVA refocused efforts in 2019 on a more comprehensive evaluation of eight critical measures of student achievement, which are as follows: 1) College Readiness; 2) Enrollment; 3) Course Success; 4) Retention; 5) Graduation; 6) Transfer; 7) Job Placement; and 8) Licensing Exams.<sup>1</sup>

**In This Brief**

This Brief highlights NOVA's performance on the Course Success criteria. In 2019, NOVA modified the course success criteria to include the following measures: the overall course success rate for all courses taught at NOVA; and the course success rate in five gatekeeper courses. For each measure of course success, this Brief disaggregates data by select student characteristics. Disaggregation by these characteristics allows the college to identify where achievement gaps exist within its eight student achievement criteria.

**Key Findings**

- **Overall Course Success:** Among all courses taught in Fall 2019, the following student groups had overall course success rates that were lower than their respective counterparts and the College overall: students who identified as Black/African American or Hispanic/Latino; male students; younger students; students who received a Pell Grant; and students who were the first in their family to attend college.
  
- **Success in Gatekeeper Courses:**
  - Compared to their respective counterparts, Asian students and female students had the highest course success rate in each of the five gatekeeper courses.
  - Non-Pell Grant recipients had higher course success rates in four of the five gatekeeper courses.
  - First generation and continuing generation students had similar course success rates for three of the five gatekeeper courses.

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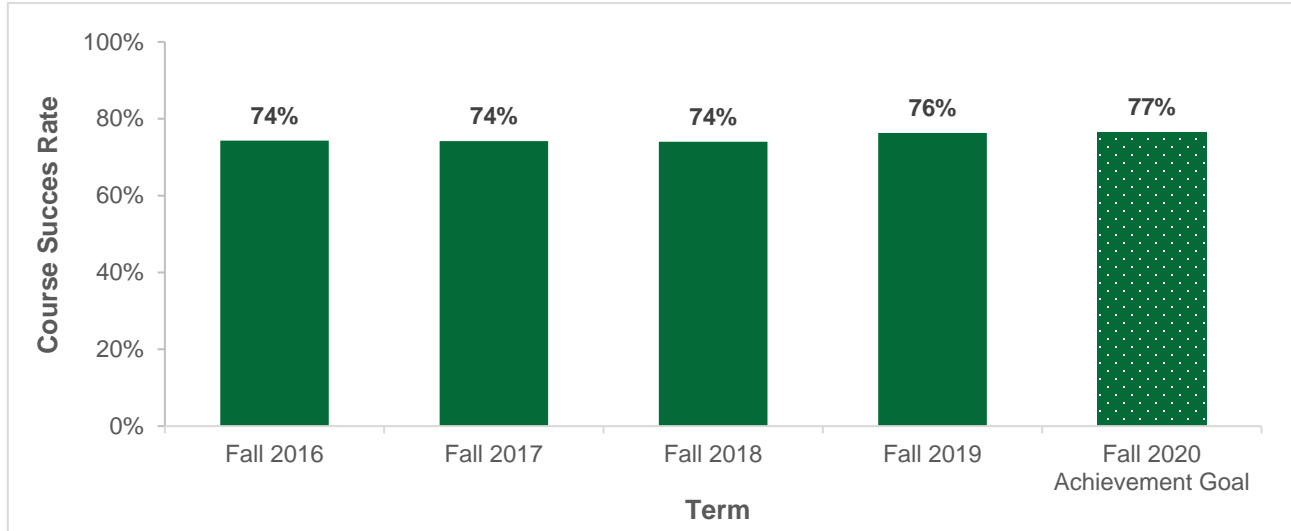
<sup>1</sup> For more information, see *Report 29-20: Student Achievement Criteria at NOVA: Comprehensive Evaluation Report 2020*.

## Section 1. Overall Course Success Trends

### Overall Course Success Rate

The overall course success rate is the success rate in every course taught at NOVA during the given academic term. From Fall 2016 to Fall 2019, the overall course success rate increased by two percentage points (from 74 to 76 percent).

Figure 1. Overall Course Success Rate: Fall 2016 through Fall 2020



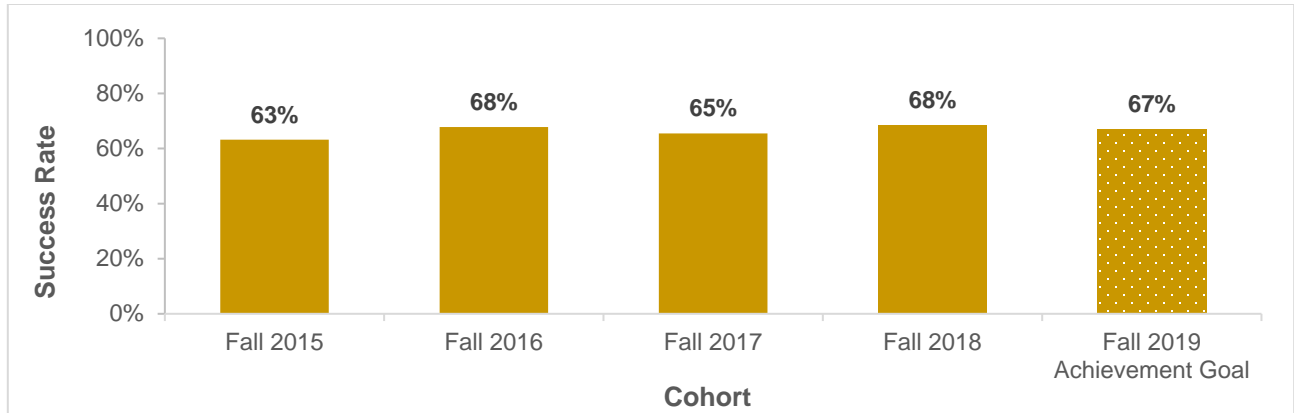
Notes: Grades of Audit, Missing, and Never Attending Student (NVRK) were excluded from the analysis. Total course enrollment is duplicated.

### Overall Success Rate in Gatekeeper Courses

Gatekeeper courses refer to five courses at NOVA with high enrollments that often serve as pre-requisites, or “gatekeepers,” to other courses. Success in gatekeeper courses is measured as the percentage of first-time to NOVA students who were successful in the following college-level gatekeeper courses within one year of initial enrollment at NOVA:

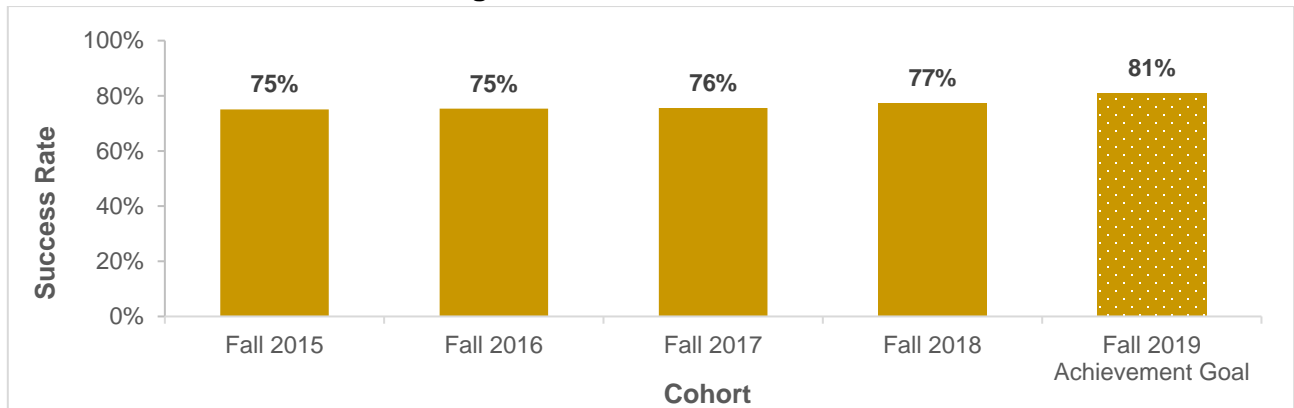
- **ACC 211 – Principles of Accounting I:** From the Fall 2015 to Fall 2018 first-time to NOVA cohorts, success in ACC 211 increased by five percentage points.
- **BIO 101 – General Biology I:** From the Fall 2015 to Fall 2018 first-time to NOVA cohorts, success in BIO 101 increased by two percentage points.
- **ENG 111 – College Composition I:** From the Fall 2015 to Fall 2018 first-time to NOVA cohorts, success in ENG 111 decreased by four percentage points.
- **MTH 151 – Mathematics for the Liberal Arts I:** From the Fall 2015 to Fall 2018 first-time to NOVA cohorts, success in MTH 151 decreased by eight percentage points.
- **MTH 163 – Pre-Calculus I:** From the Fall 2015 to Fall 2018 first-time to NOVA cohorts, success in MTH 163 decreased by two percentage points.

**Figure 2. Course Success Rate in ACC 211: *Principles of Accounting I*  
Fall 2015 through Fall 2019 First-Time to NOVA Cohorts**



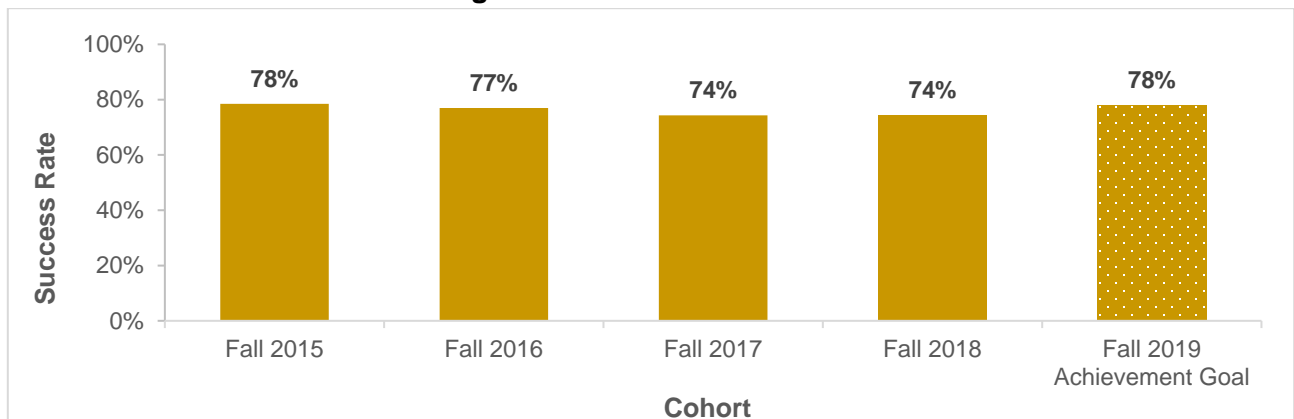
Notes: Grades of Audit, Missing, and Never Attending Student (NVRK) were excluded from the analysis. Data include first-time to NOVA students enrolled in ACC 211 who were successful within one year of initial enrollment.

**Figure 3. Course Success Rate in BIO 101: *General Biology I*  
Fall 2015 through Fall 2019 First-Time to NOVA Cohorts**



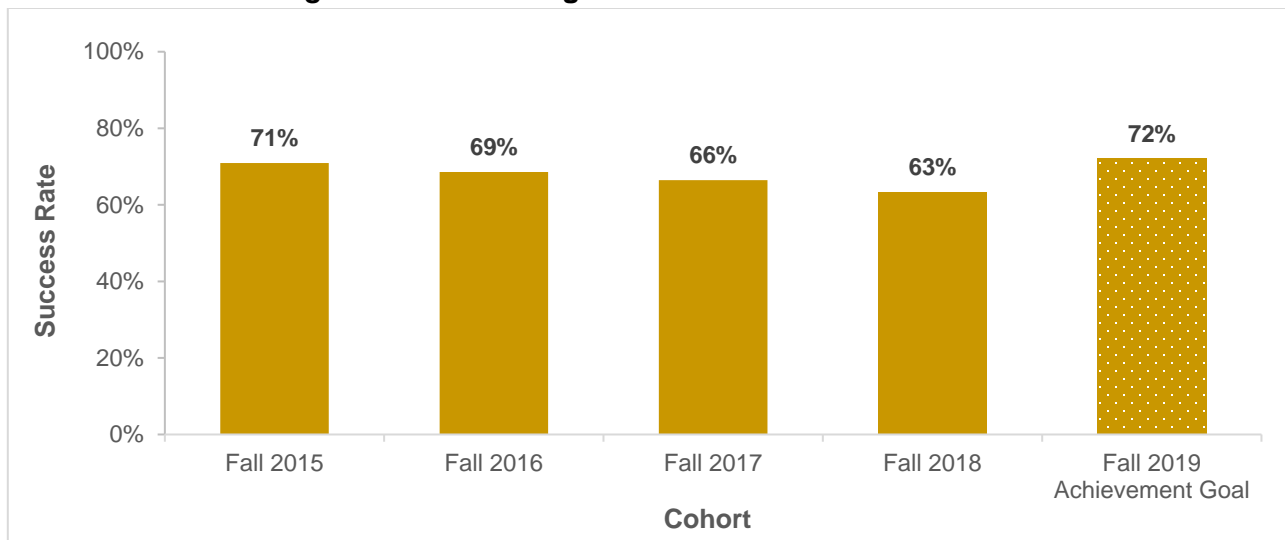
Notes: Grades of Audit, Missing, and Never Attending Student (NVRK) were excluded from the analysis. Data include first-time to NOVA students enrolled in BIO 101 who were successful within one year of initial enrollment.

**Figure 4. Course Success Rate in ENG 111: *College Composition I*  
Fall 2015 through Fall 2019 First-Time to NOVA Cohorts**



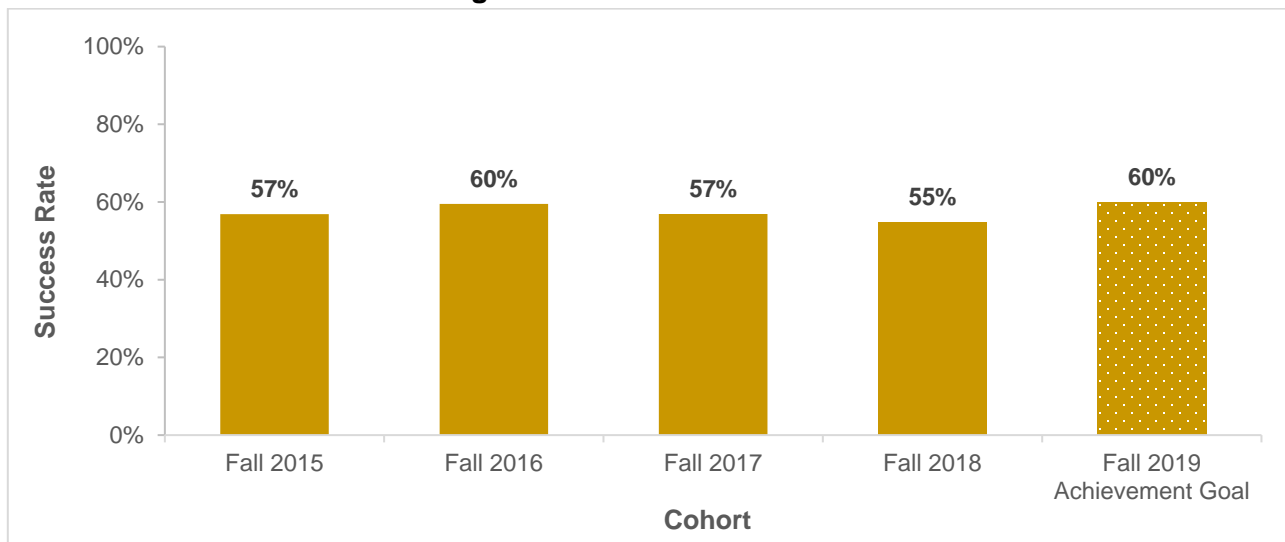
Notes: Grades of Audit, Missing, and Never Attending Student (NVRK) were excluded from the analysis. Data include first-time to NOVA students enrolled in ENG 111 who were successful within one year of initial enrollment.

**Figure 5. Course Success Rate in MTH 151: *Math for Liberal Arts I* /MTH 154: *Quantitative Reasoning* – Fall 2015 through Fall 2019 First-Time to NOVA Cohorts**



Notes: Grades of Audit, Missing, and Never Attending Student (NVRK) were excluded from the analysis. In Fall 2018, the math curriculum was redesigned. MTH 151: *Mathematics for the Liberal Arts I* was replaced with MTH 154: *Quantitative Reasoning*. Data include first-time to NOVA students enrolled in MTH 151/MTH154 who were successful within one year of initial enrollment.

**Figure 6. Course Success Rate in MTH 163/MTH 161: *Pre-Calculus I* Fall 2015 through Fall 2019 First-Time to NOVA Cohorts**



Notes: Grades of Audit, Missing, and Never Attending Student (NVRK) were excluded from the analysis. In Fall 2018, the math curriculum was redesigned. MTH 163: *Pre-Calculus I* was reclassified as MTH 161: *Pre-Calculus I*. Data include first-time to NOVA students enrolled in MTH 163/MTH 161 who were successful within one year of initial enrollment.

## Section 2. Overall Course Success Rate by Select Student Characteristics

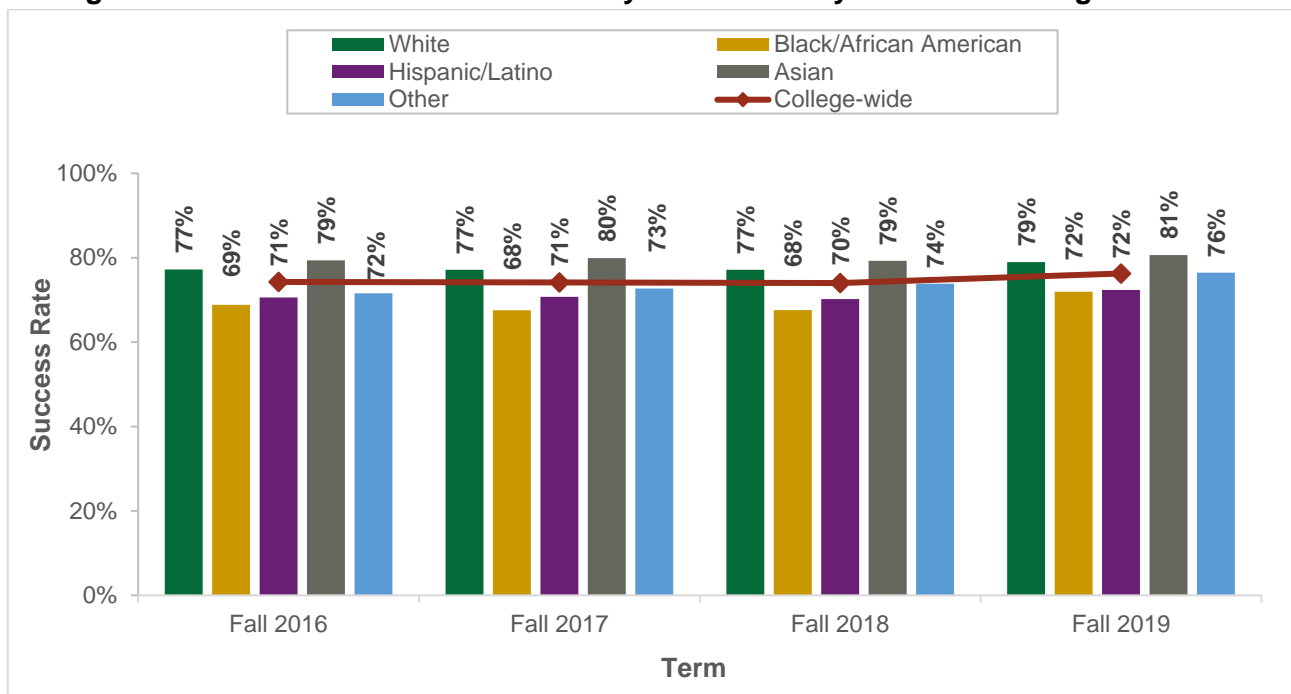
This section presents data regarding the overall course success rate in all NOVA courses. Students are considered successful in a course if they earn a grade of 'A', 'B', 'C', 'P', or 'S'. Course success rates are disaggregated by the following student characteristics: race/ethnicity, gender, age group, Pell Grant status, and first generation status.

### Overall Course Success Rate by Race/Ethnicity

Among all courses taught in Fall 2019, students who identified as Asian had the highest course success rate (81 percent). The overall course success rate for Asian students was 5 percentage points higher than the College-wide overall course success rate (76 percent). Additionally, the course success rate for white students (79 percent) was also higher than the College-wide average, and the course success rate for students who identify as another race or ethnicity was the same as the College.

Conversely, the other two racial/ethnic groups fell below the College-wide overall course success rate of 76 percent. The course success rate for Hispanic/Latino students and Black/African American students (72 percent each) was four percentage points lower than the College.

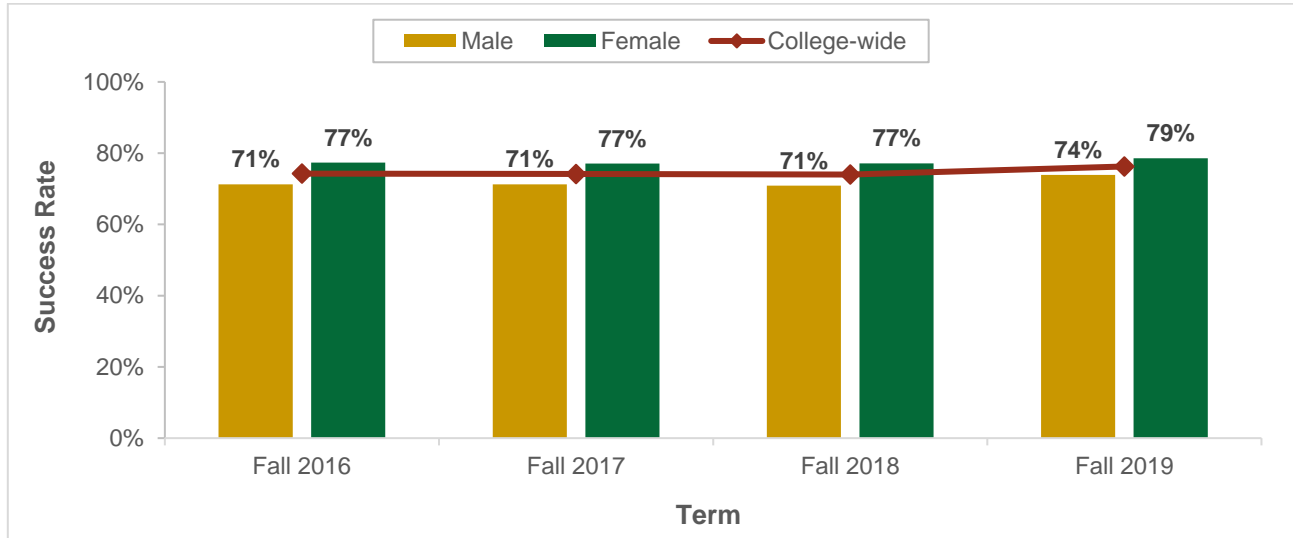
Figure 7. Overall Course Success Rate by Race/Ethnicity: Fall 2016 through Fall 2019



### Overall Course Success Rate by Gender

Among all courses taught in Fall 2019, female students had a higher overall course success rate than male students (79 versus 74 percent). The overall course success rate for female students was higher than the College-wide success rate (76 percent); however, the success rate for male students was two percentage points lower than the College.

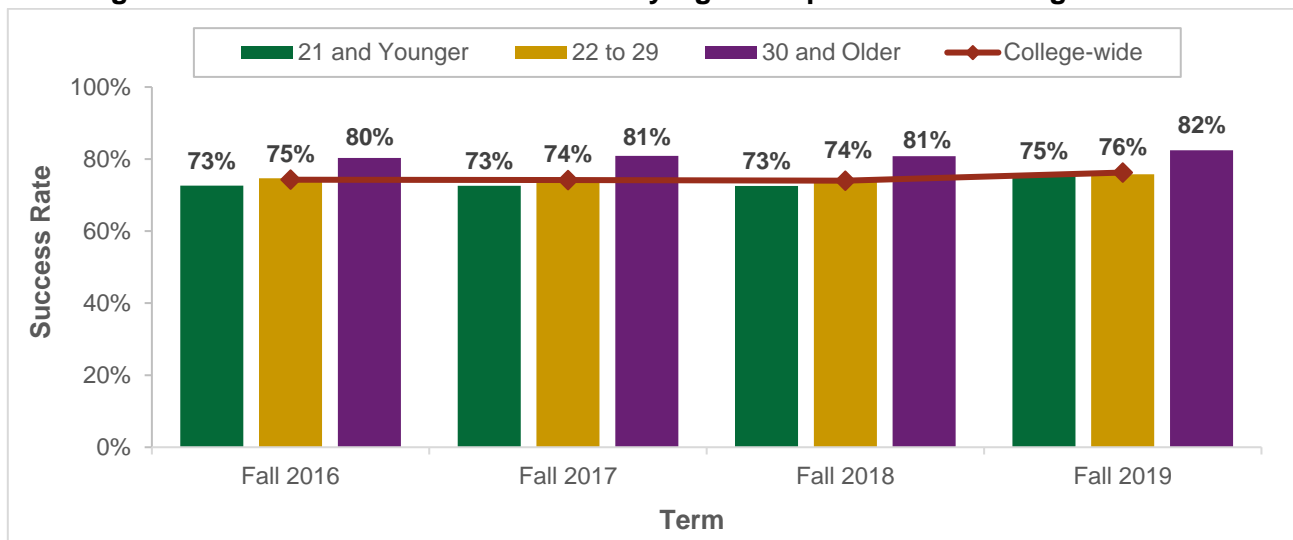
**Figure 8. Overall Course Success Rate by Gender: Fall 2016 through Fall 2019**



### Overall Course Success Rate by Age Group

Among all courses taught in Fall 2019, students aged 30 and older had a higher course success rate than younger students (82 percent versus 76 percent for students aged 22 to 29; and 75 percent for students aged 21 and younger). The course success rate for students aged 21 and younger was one percentage point lower than the overall course success rate at the College.

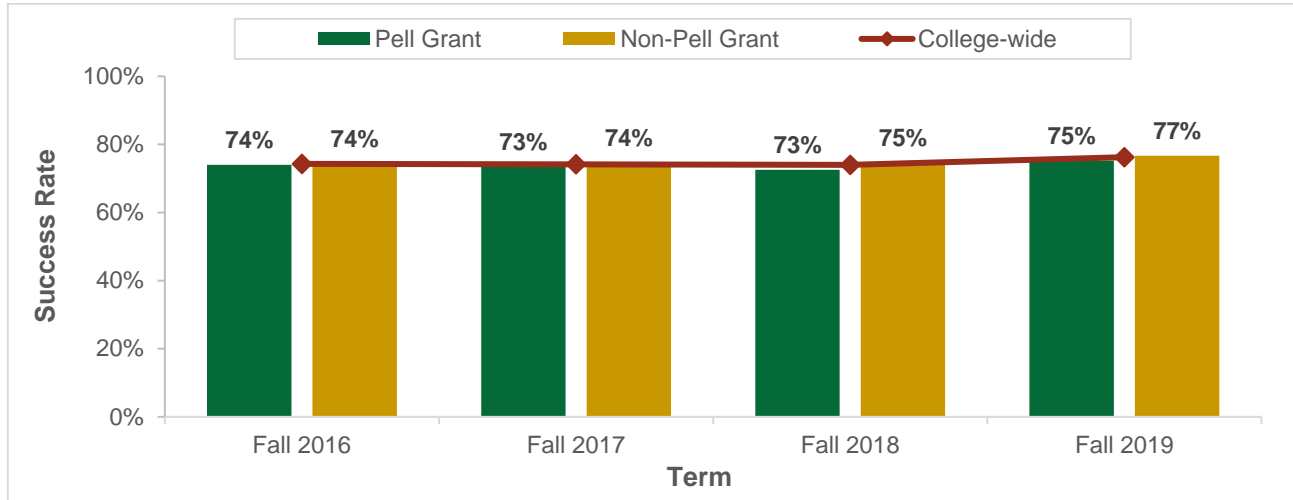
**Figure 9. Overall Course Success Rate by Age Group: Fall 2016 through Fall 2019**



### Overall Course Success Rate by Pell Grant Status

Among all courses taught in Fall 2019, students who did not receive a Pell Grant had a higher overall course success rate than Pell Grant recipients (77 versus 75 percent). While the course success rate for non-Pell Grant recipients was above the College-wide average of 76 percent, the course success rate of non-Pell Grant recipients fell just below the College-wide average.

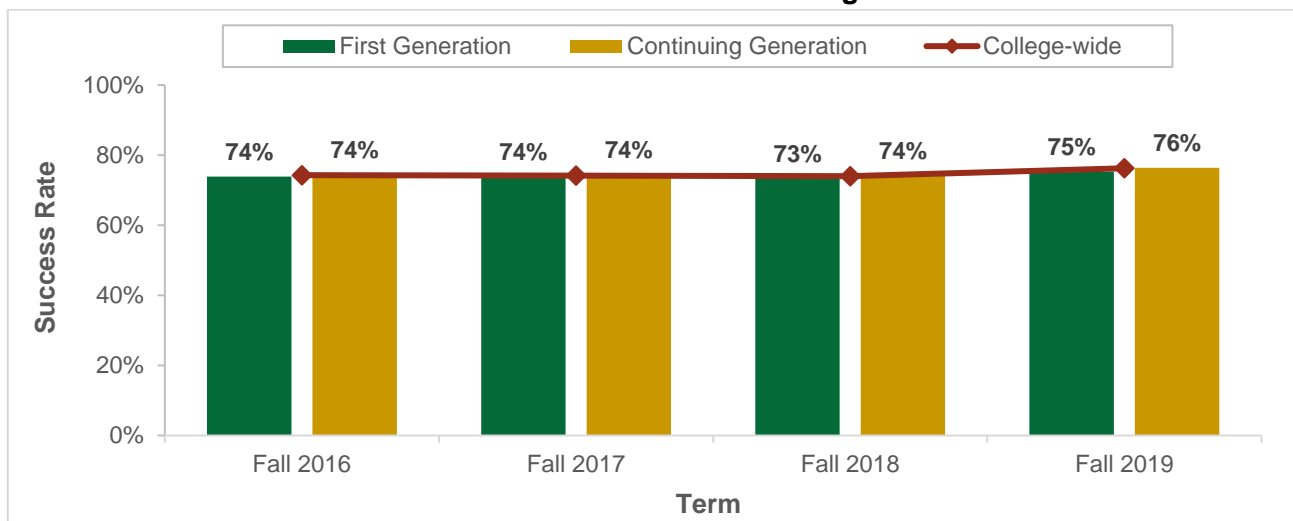
**Figure 10. Overall Course Success Rate by Pell Grant Status: Fall 2016 through Fall 2019**



### Overall Course Success Rate by First Generation Status

Among all courses taught in Fall 2019, continuing generation students had a slightly higher overall course success rate than first generation students (76 versus 75 percent). While the course success rate for continuing generation students was the same as the College-wide average of 76 percent, the course success rate of first generation students was just below the College.

**Figure 11. Overall Course Success Rate by First Generation Status: Fall 2016 through Fall 2019**



**Section 3. Success in ACC 211 by Select Student Characteristics**

This section presents data regarding the course success rate of first-time to NOVA students in the gatekeeper course ACC 211: *Principles of Accounting I*. ACC 211 success rates are disaggregated by the following student characteristics: race/ethnicity, gender, age group, Pell Grant status, and first generation status.

**Data Note**

Due to the small number of students who enroll in ACC 211 (n=408 in among the Fall 2018 cohort), disaggregated results should be interpreted with caution.

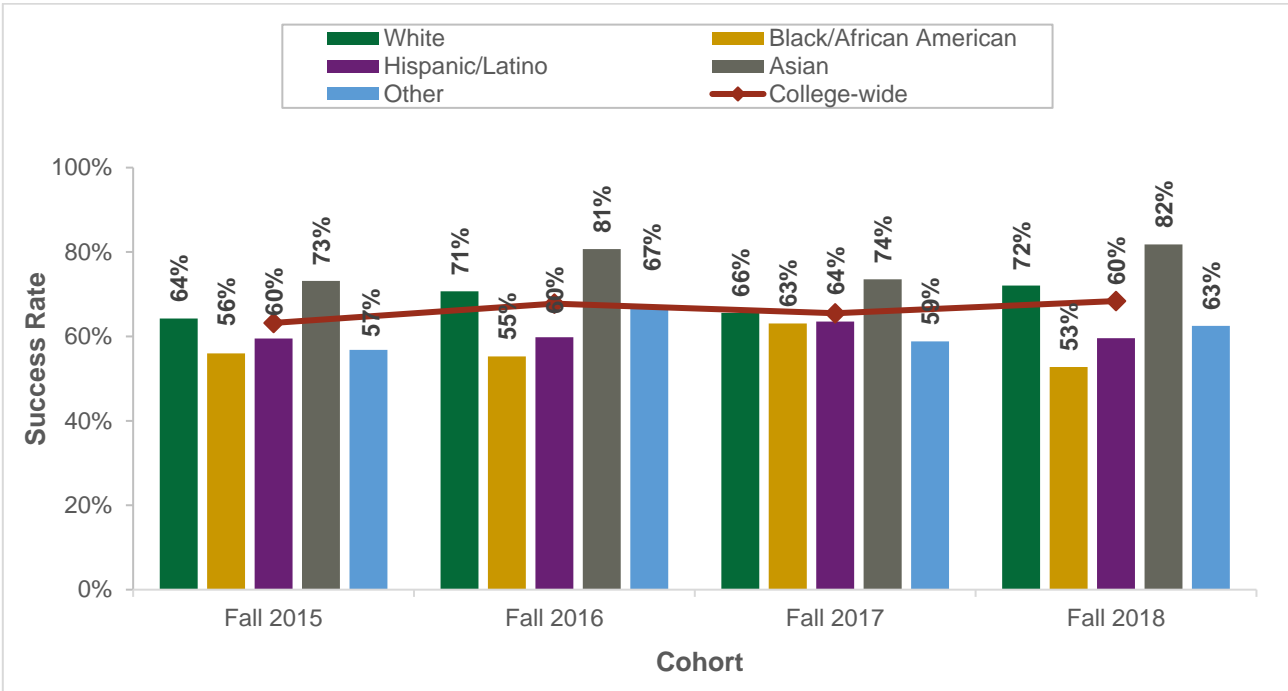
**Success in ACC 211 by Race/Ethnicity**

Among the Fall 2018 first-time to NOVA cohort, students who identified as Asian had the highest success rate in ACC 211 (82 percent). The success rate in ACC 211 for Asian students was 14 percentage points higher than the College-wide success rate (68 percent). Additionally, the success rate in ACC 211 for white students (72 percent) was also higher than the College.

Conversely, the other three racial/ethnic groups fell below the College-wide success rate in ACC 211 of 68 percent. Students who identified as Black/African American had the lowest success rate in ACC 211 (53 percent), followed by Hispanic/Latino students (60 percent), and students of another race or ethnicity (63 percent).

However, due to the small number of students from each group who enroll in ACC 211, observed differences between groups should be interpreted with caution.

**Figure 12. Course Success Rate in ACC 211 by Race/Ethnicity:  
Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

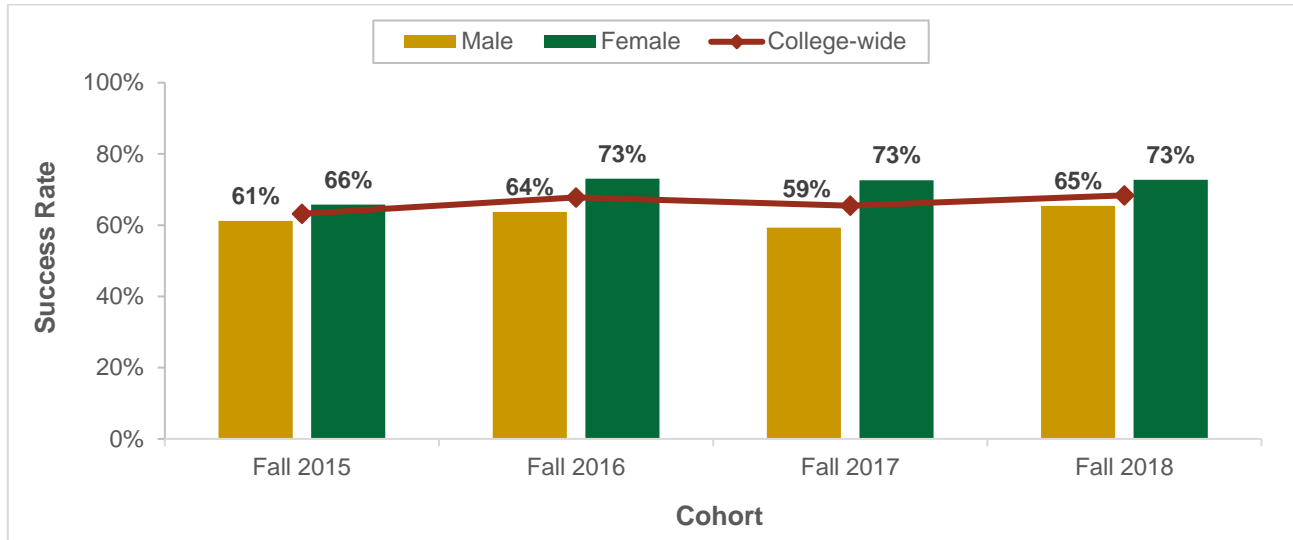




### Success in ACC 211 by Gender

Among the Fall 2018 first-time to NOVA cohort, female students had a higher success rate in ACC 211 than male students (73 versus 65 percent). While the ACC 211 success rate for female students was above the College-wide average of 68 percent, the success rate of male students was three percentage points lower than the College-wide average.

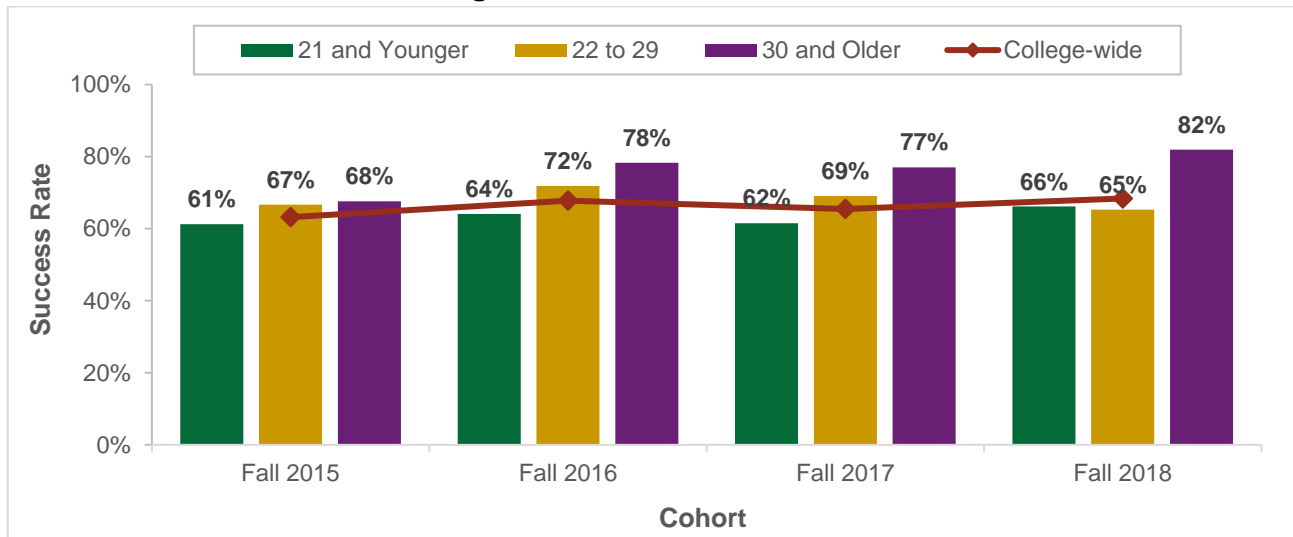
**Figure 13. Course Success Rate in ACC 211 by Gender: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**



### Success in ACC 211 by Age Group

Among the Fall 2018 first-time to NOVA cohort, the success rate of students aged 21 and younger (66 percent) was two percentage points lower than the College-wide success rate in ACC 211. Due to the small number of students in the two older age groups (22 to 29; and 30 and Older) who enroll in ACC 211, results for these groups should be interpreted with caution.

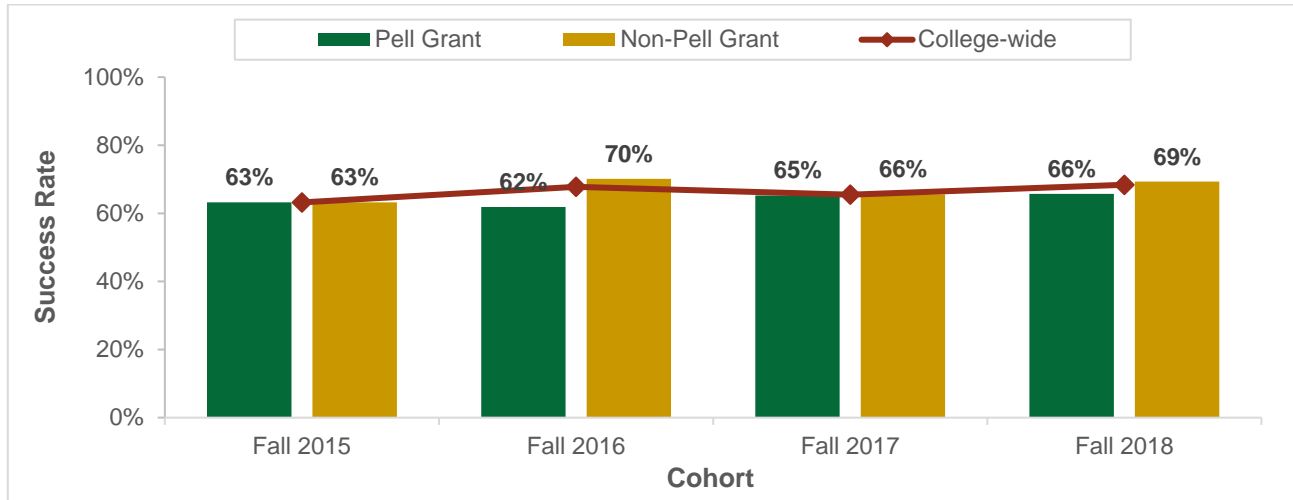
**Figure 14. Course Success Rate in ACC 211 by Age Group: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**



### Success in ACC 211 by Pell Grant Status

Among the Fall 2018 first-time to NOVA cohort, students who did not receive a Pell Grant had a higher success rate in ACC 211 than Pell Grant recipients (69 versus 66 percent). While the ACC 211 success rate for non-Pell Grant recipients was just above the College-wide average of 68 percent, the success rate for Pell Grant recipients was lower than the College-wide average.

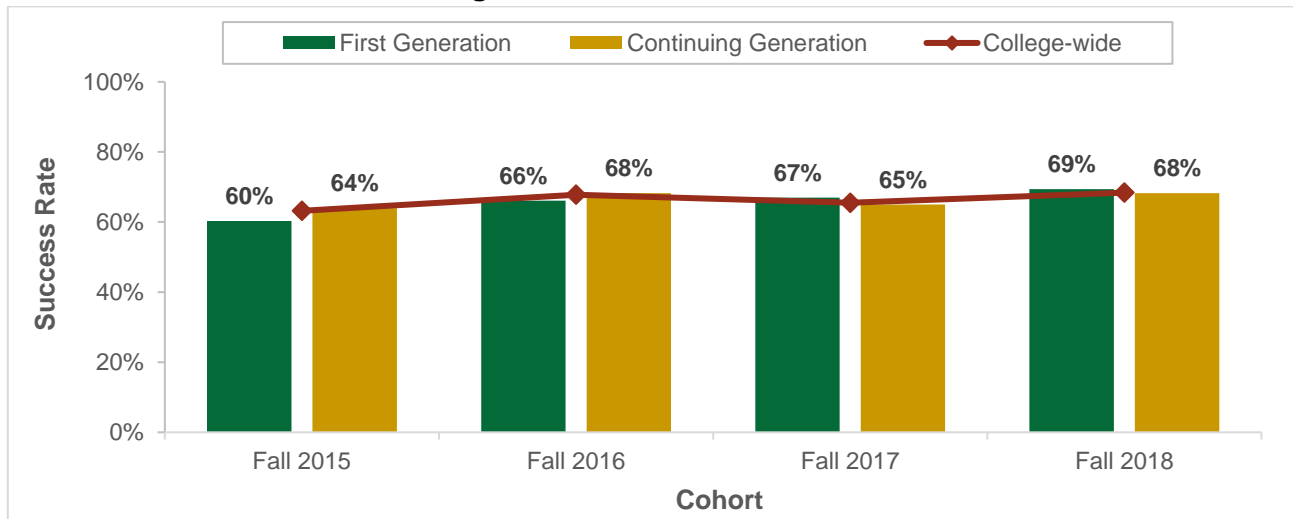
**Figure 15. Course Success Rate in ACC 211 by Pell Grant Status:  
Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**



### Success in ACC 211 by First Generation Status

Among the Fall 2018 first-time to NOVA cohort, first generation students had a higher success rate in ACC 211 than continuing generation students (69 versus 68 percent). However, due to the small number of first generation students enrolled in ACC 211, any observed differences between groups should be interpreted with caution.

**Figure 16. Course Success Rate in ACC 211 by First Generation Status:  
Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**



**Section 4. Success in BIO 101 by Select Student Characteristics**

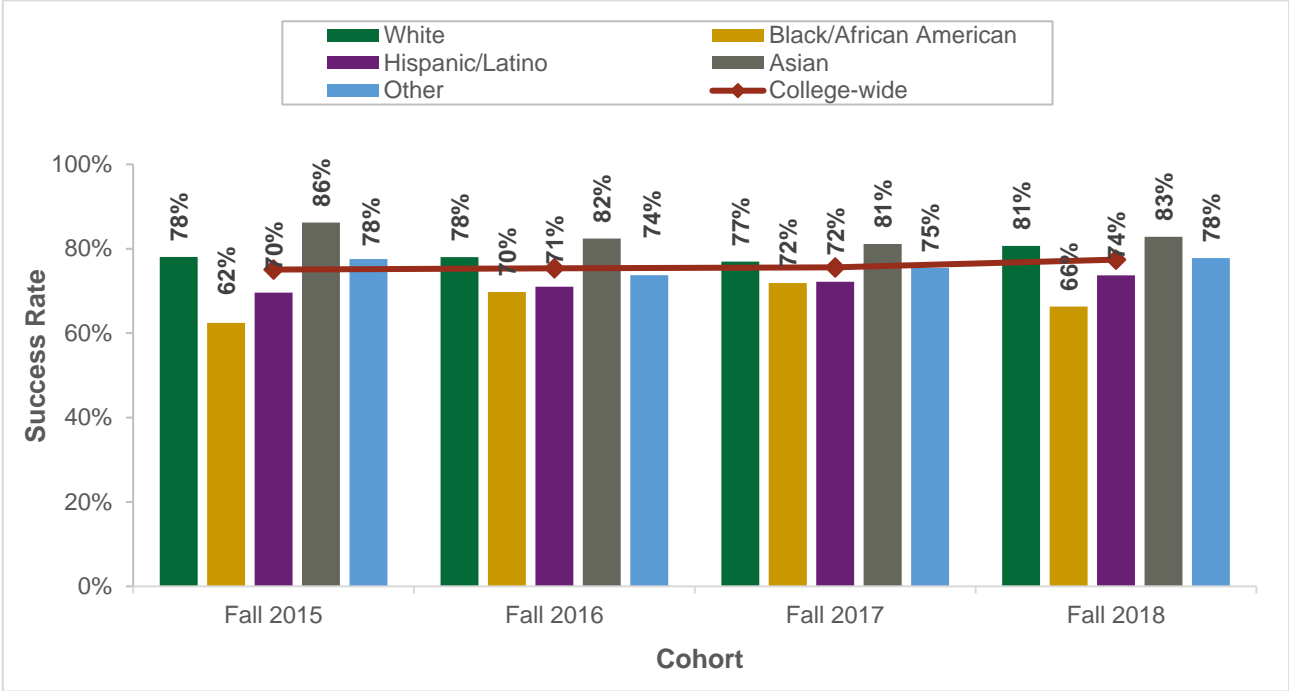
This section presents data regarding the course success rate of first-time to NOVA students in the gatekeeper course BIO 101: *General Biology I*. Success rates in BIO 101 are disaggregated by the following student characteristics: race/ethnicity, gender, age group, Pell Grant status, and first generation status.

**Success in BIO 101 by Race/Ethnicity**

Among the Fall 2018 first-time to NOVA cohort, students who identified as Asian had the highest success rate in BIO 101 (83 percent). The success rate in BIO 101 for Asian students was 6 percentage points higher than the College-wide success rate (77 percent). Additionally, the success rates in BIO 101 for white students (81 percent) and students of another race or ethnicity (78 percent) were also higher than the College.

Conversely, the other two racial/ethnic groups fell below the College-wide success rate in BIO 101 of 77 percent for this cohort. Students who identified as Black/African American had the lowest success rate in BIO 101 (66 percent), followed by Hispanic/Latino students (74 percent).

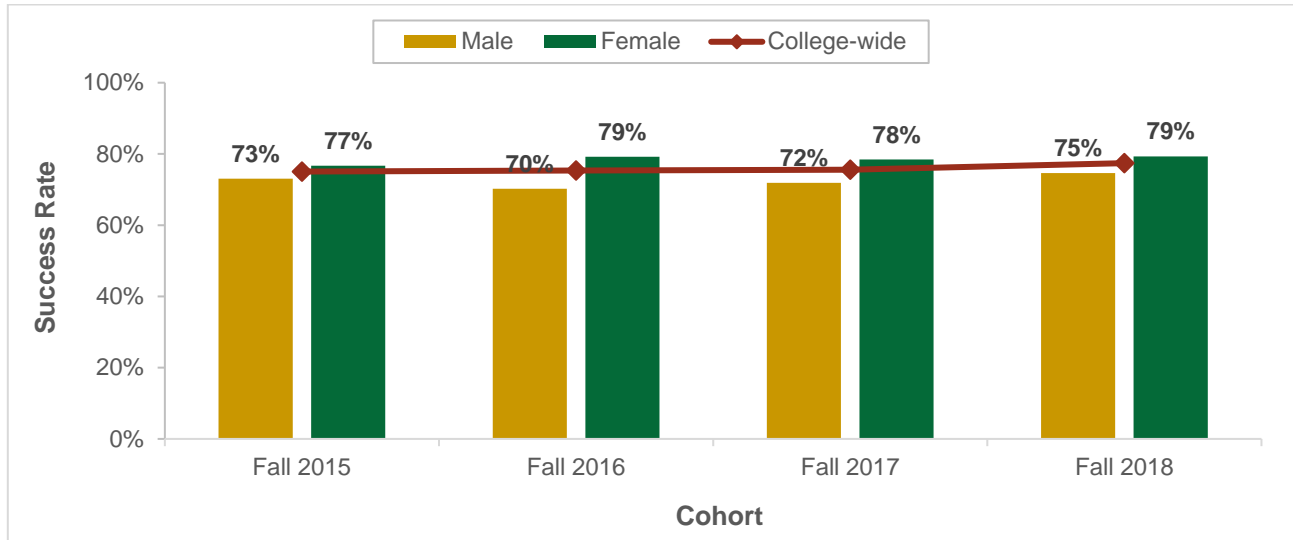
**Figure 17. Course Success Rate in BIO 101 by Race/Ethnicity: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**



### Success in BIO 101 by Gender

Among the Fall 2018 first-time to NOVA cohort, female students had a higher success rate in BIO 101 than male students (79 versus 75 percent). While the BIO 101 success rate for female students was above the College-wide average of 77 percent, the success rate of male students was two percentage points lower than the College-wide average.

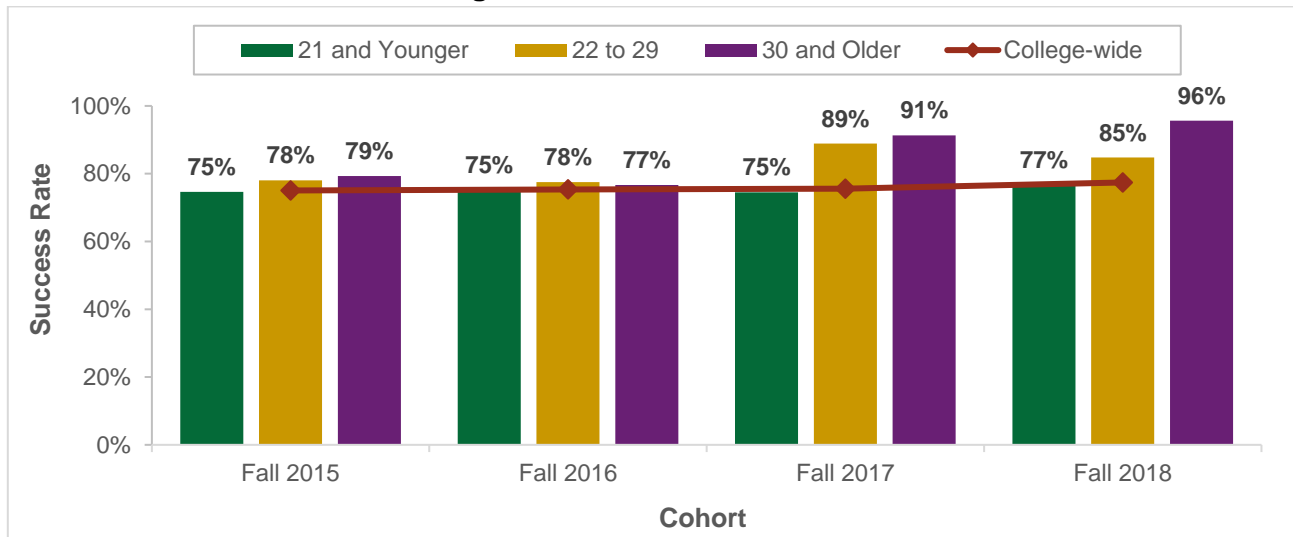
**Figure 18. Course Success Rate in BIO 101 by Gender:  
Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**



### Success in BIO 101 by Age Group

Among the Fall 2018 first-time to NOVA cohort, the success rate of students aged 21 and younger (77 percent) was consistent with the College-wide success rate in BIO 101. Due to the small number of students in the two older age groups (22 to 29; and 30 and Older) who enroll in BIO 101, results for these groups should be interpreted with caution.

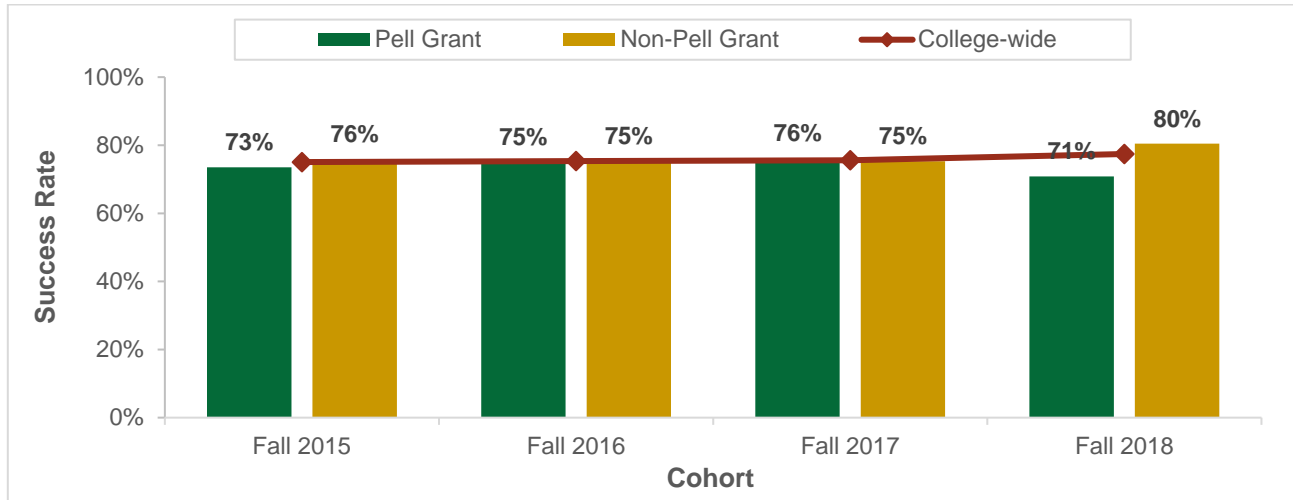
**Figure 19. Course Success Rate in BIO 101 by Age Group:  
Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**



### Success in BIO 101 by Pell Grant Status

Among the Fall 2018 first-time to NOVA cohort, non-Pell Grant recipients had a higher success rate in BIO 101 than Pell Grant recipients (80 versus 71 percent). While the BIO 101 success rate for non-Pell Grant recipients was above the College-wide average of 77 percent, the success rate of Pell Grant recipients was six percentage points lower than the College-wide average.

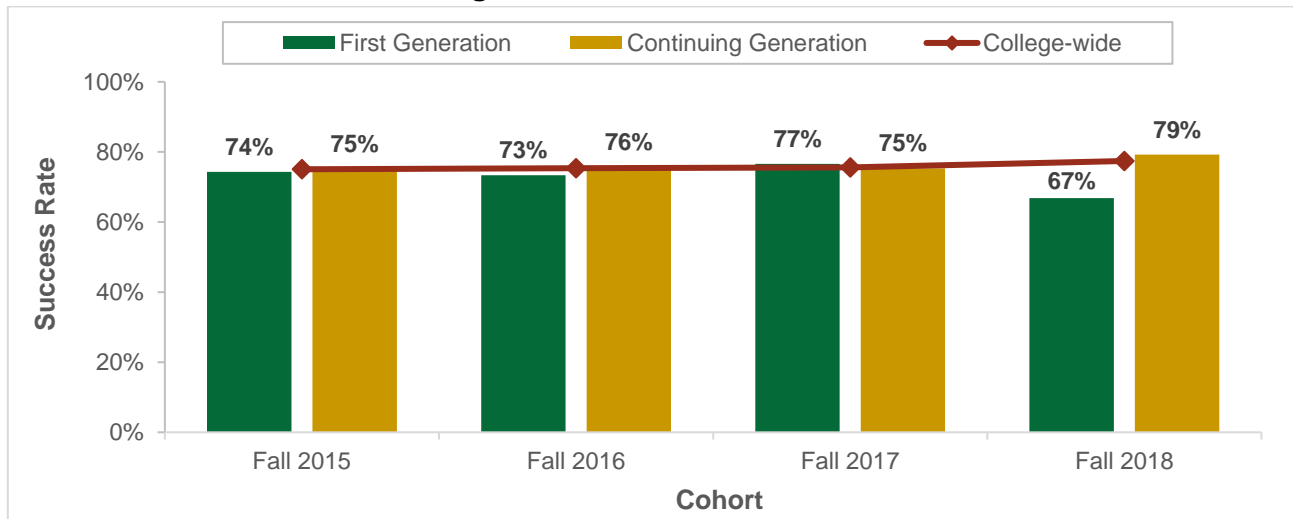
**Figure 20. Course Success Rate in BIO 101 by Pell Grant Status:  
Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**



### Success in BIO 101 by First Generation Status

Among the Fall 2018 first-time to NOVA cohort, continuing generation students had a higher success rate in BIO 101 than first generation students (79 versus 67 percent). While the BIO 101 success rate for continuing generation students was above the College-wide average of 77 percent, the success rate of first generation students was below the College.

**Figure 21. Course Success Rate in BIO 101 by First Generation Status:  
Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**



**Section 5. Success in ENG 111 by Select Student Characteristics**

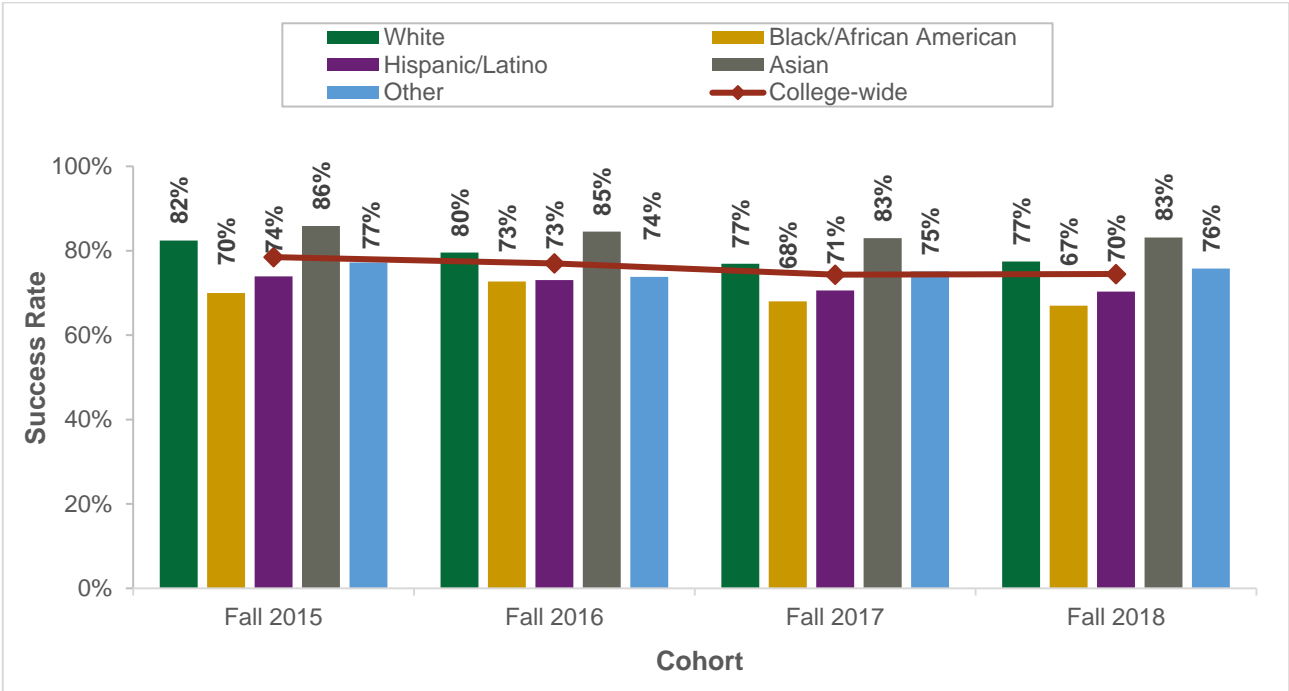
This section presents data regarding the course success rate of first-time to NOVA students in the gatekeeper course ENG 111: *College Composition I*. Success rates in ENG 111 are disaggregated by the following student characteristics: race/ethnicity, gender, age group, Pell Grant status, and first generation status.

**Success in ENG 111 by Race/Ethnicity**

Among the Fall 2018 first-time to NOVA cohort, students who identified as Asian had the highest success rate in ENG 111 (83 percent). The success rate in ENG 111 for Asian students was 9 percentage points higher than the College-wide success rate (74 percent). Additionally, the success rates in ENG 111 for white students (77 percent) and students of another race or ethnicity (76 percent) were also higher than the College-wide average.

Conversely, the other two racial/ethnic groups fell below the College-wide success rate in ENG 111 of 74 percent for this cohort. Students who identified as Black/African American had the lowest success rate in ENG 111 (67 percent) followed by Hispanic/Latino students (70 percent).

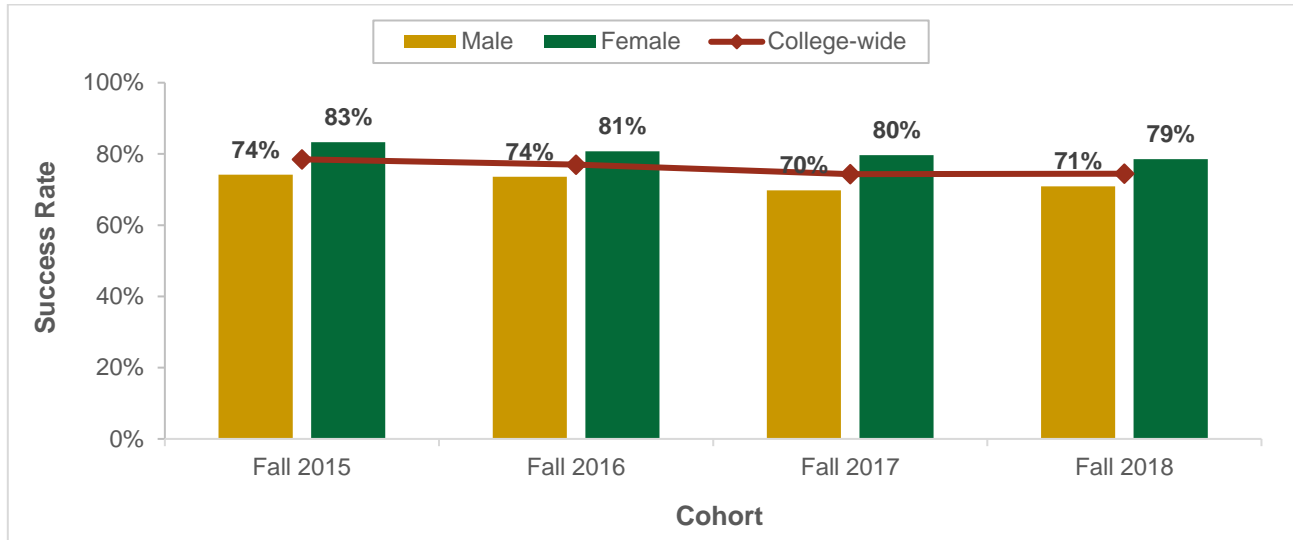
**Figure 22. Course Success Rate in ENG 111 by Race/Ethnicity: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**



### Success in ENG 111 by Gender

Among the Fall 2018 first-time to NOVA cohort, female students had a higher success rate in ENG 111 than male students (79 versus 71 percent). While the ENG 111 success rate for female students was above the College-wide average of 74 percent, the success rate of male students was three percentage points lower than the College-wide average.

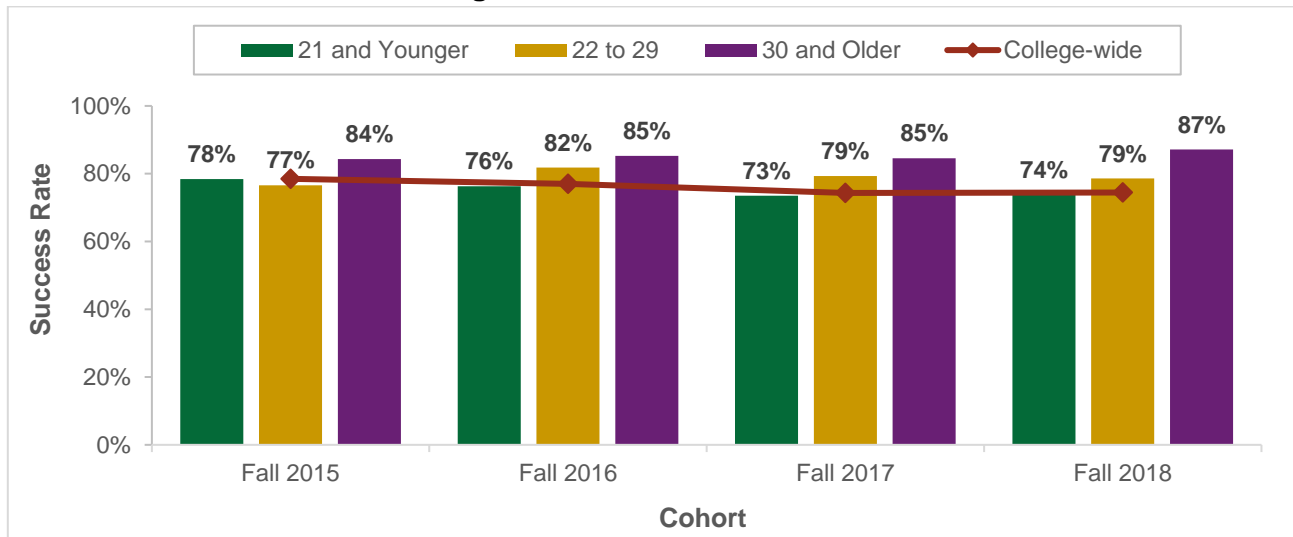
**Figure 23. Course Success Rate in ENG 111 by Gender: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**



### Success in ENG 111 by Age Group

Among the Fall 2018 first-time to NOVA cohort, the success rate of students aged 21 and younger (74 percent) was consistent with the College-wide success rate in ENG 111. Students aged 22 to 29 and aged 30 and older had success rates five and 13 percentage points higher, respectively, than the College-wide rate.

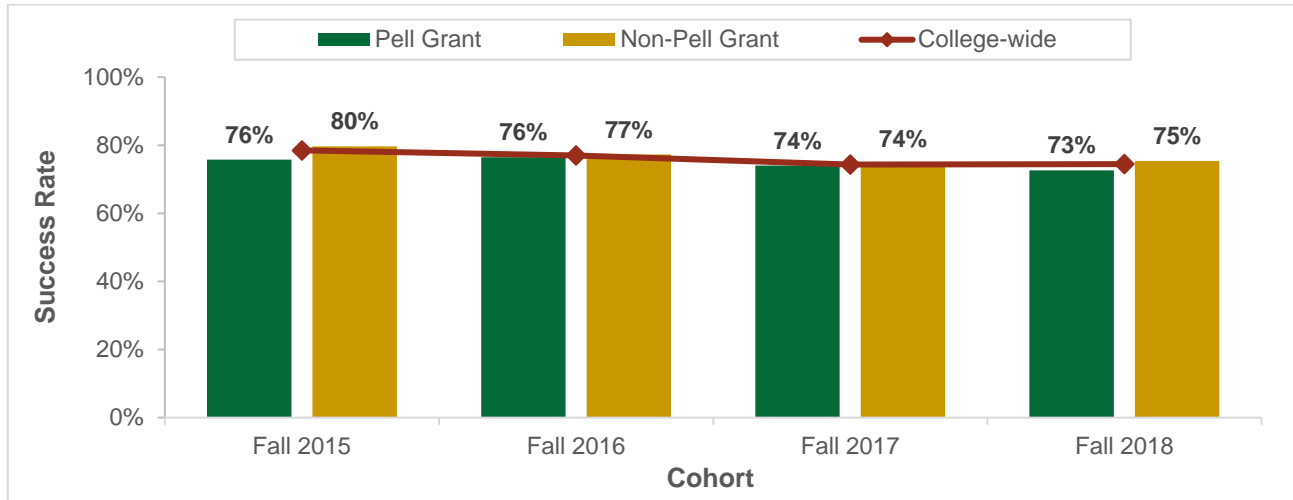
**Figure 24. Course Success Rate in ENG 111 by Age Group: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**



### Success in ENG 111 by Pell Grant Status

Among the Fall 2018 first-time to NOVA cohort, non-Pell Grant recipients had a higher success rate in ENG 111 than Pell Grant recipients (75 versus 73 percent). While the ENG 111 success rate for non-Pell Grant recipients was above the College-wide average of 74 percent, the success rate of Pell Grant recipients was slightly lower than the College-wide average.

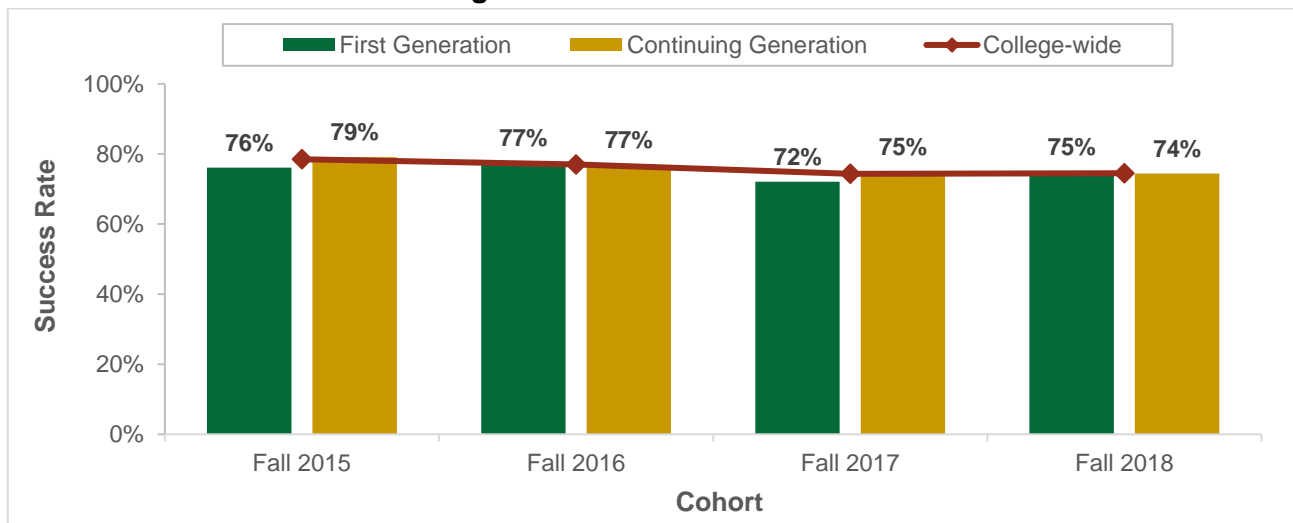
**Figure 25. Course Success Rate in ENG 111 by Pell Grant Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**



### Success in ENG 111 by First Generation Status

Among the Fall 2018 first-time to NOVA cohort, continuing generation students had a slightly lower success rate in ENG 111 than first generation students (74 versus 75 percent). The ENG 111 success rate for both groups was either the same or slightly higher than the College-wide ENG 111 success rate for this cohort.

**Figure 26. Course Success Rate in ENG 111 by First Generation Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**





**Section 6. Success in MTH 151/MTH 154 by Select Student Characteristics**

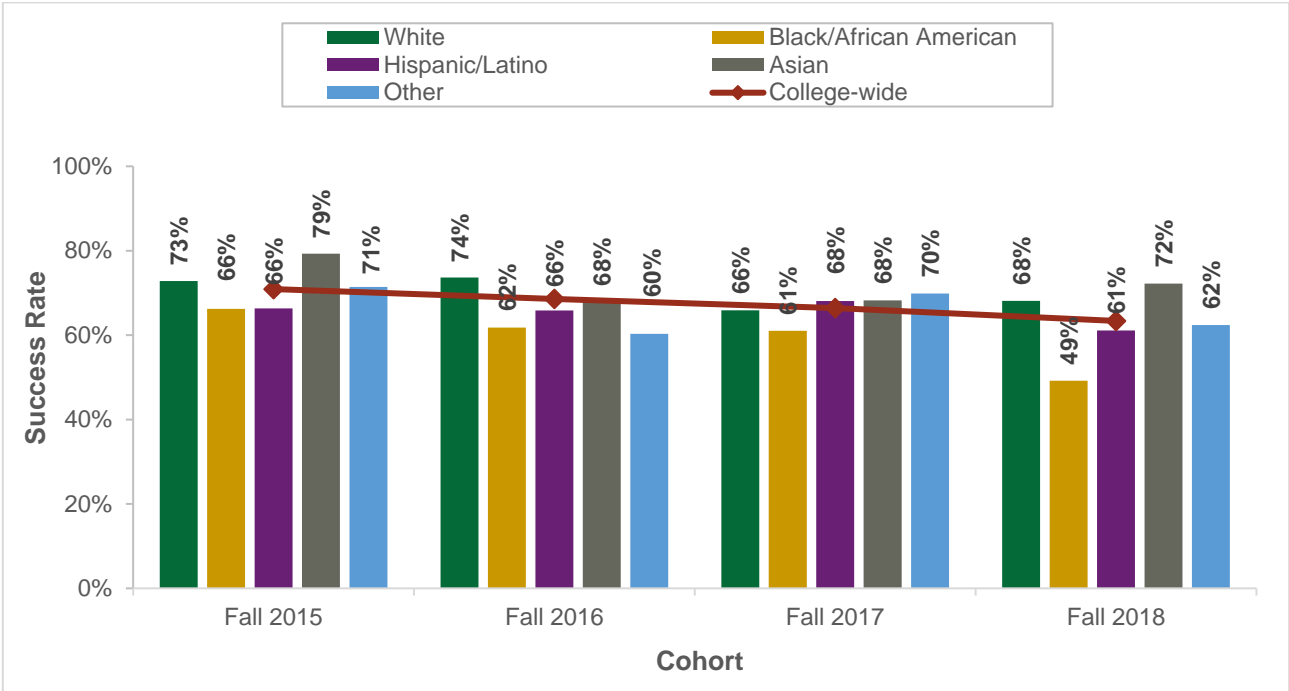
This section presents data regarding the course success rate of first-time to NOVA students in the gatekeeper course MTH 151/MTH 154. In Fall 2018, the math curriculum was redesigned and MTH 151: *Mathematics for the Liberal Arts I* was replaced with MTH 154: *Quantitative Reasoning*. Success rates in MTH 151/MTH 154 are disaggregated by the following student characteristics: race/ethnicity, gender, age group, Pell Grant status, and first generation status.

**Success in MTH 151/MTH 154 by Race/Ethnicity**

Among the Fall 2018 first-time to NOVA cohort, students who identified as Asian had the highest success rate in MTH 154 (72 percent). The success rate in MTH 154 for Asian students was 9 percentage points higher than the College-wide success rate (63 percent). Additionally, the success rate in MTH 154 for white students (68 percent) was also higher than the College.

Conversely, the other three racial/ethnic groups fell below the College-wide success rate in MTH 154 of 63 percent for this cohort. Students who identified as Black/African American had the lowest success rate in MTH 154, with less than half (49 percent) successful passing the course.

**Figure 27. Course Success Rate in MTH 151/MTH 154 by Race/Ethnicity: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

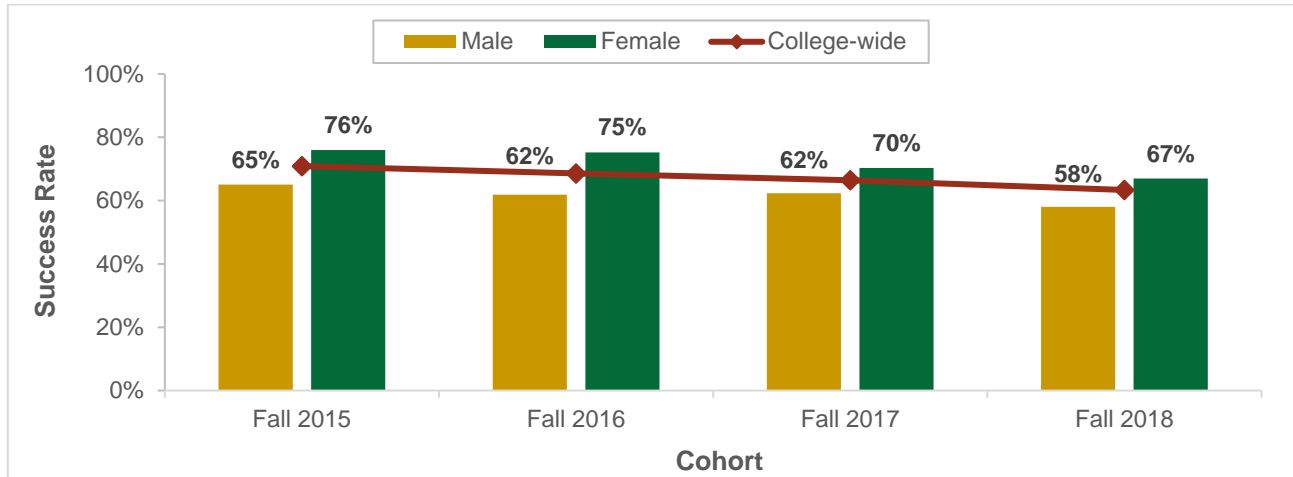


Notes: In Fall 2018, the math curriculum was redesigned. MTH 151: *Mathematics for the Liberal Arts I* was replaced with MTH 154: *Quantitative Reasoning*.

### Success in MTH 151/MTH 154 by Gender

Among the Fall 2018 first-time to NOVA cohort, female students had a substantially higher success rate in MTH 154 than male students (67 versus 58 percent). While the MTH 154 success rate for female students was above the College-wide average of 63 percent, the success rate of male students was five percentage points lower than the College-wide average.

**Figure 28. Course Success Rate in MTH 151/154 by Gender:  
Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

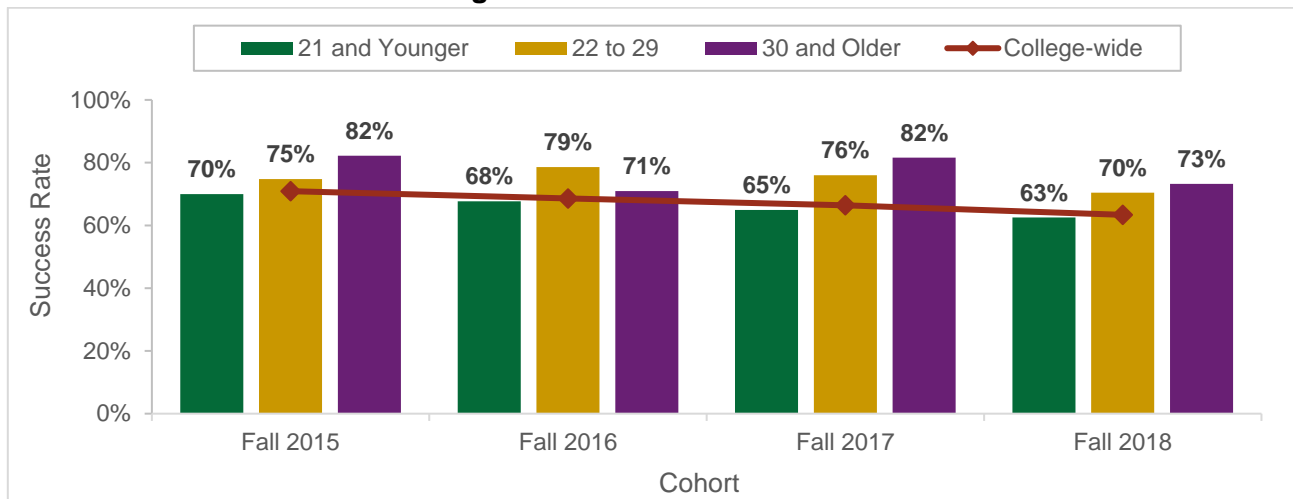


Notes: In Fall 2018, the math curriculum was redesigned. MTH 151: *Mathematics for the Liberal Arts I* was replaced with MTH 154: *Quantitative Reasoning*.

### Success in MTH 151/MTH 154 by Age Group

Among the Fall 2018 first-time to NOVA cohort, the success rate of students aged 21 and younger (63 percent) was consistent with the College-wide success rate in MTH 154. Due to the small number of students in the two older age groups (22 to 29; and 30 and Older) who enroll in MTH 154, results for these groups should be interpreted with caution.

**Figure 29. Course Success Rate in MTH 151/154 by Age Group:  
Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

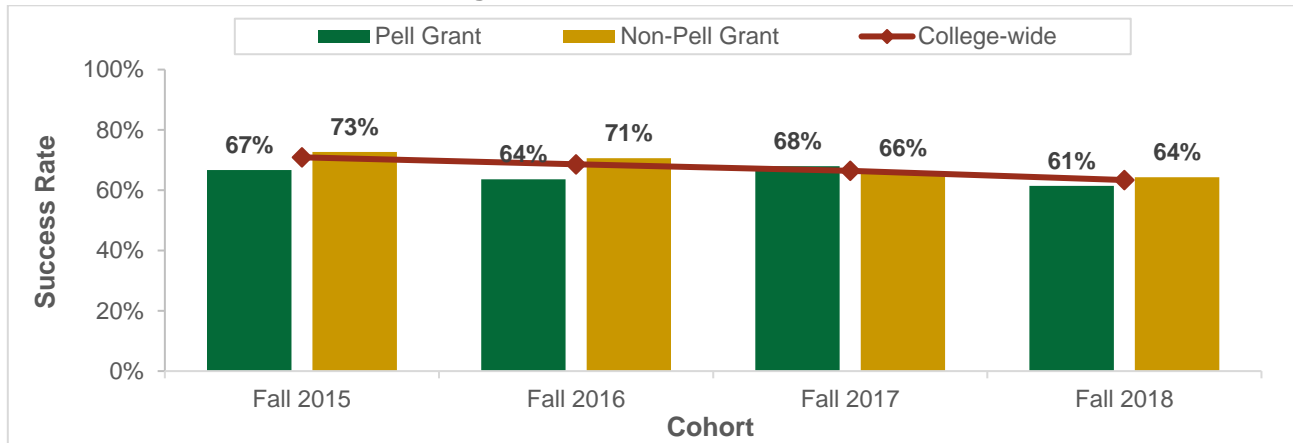


Notes: In Fall 2018, the math curriculum was redesigned. MTH 151: *Mathematics for the Liberal Arts I* was replaced with MTH 154: *Quantitative Reasoning*.

### Success in MTH 151/MTH 154 by Pell Grant Status

Among the Fall 2018 first-time to NOVA cohort, non-Pell Grant recipients had a higher success rate in MTH 154 than Pell Grant recipients (64 versus 61 percent). While the MTH 154 success rate for non-Pell Grant recipients was slightly above the College-wide average of 63 percent, the success rate of Pell Grant recipients was two percentage points lower than the College.

**Figure 30. Course Success Rate in MTH 151/MTH 154 by Pell Grant Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

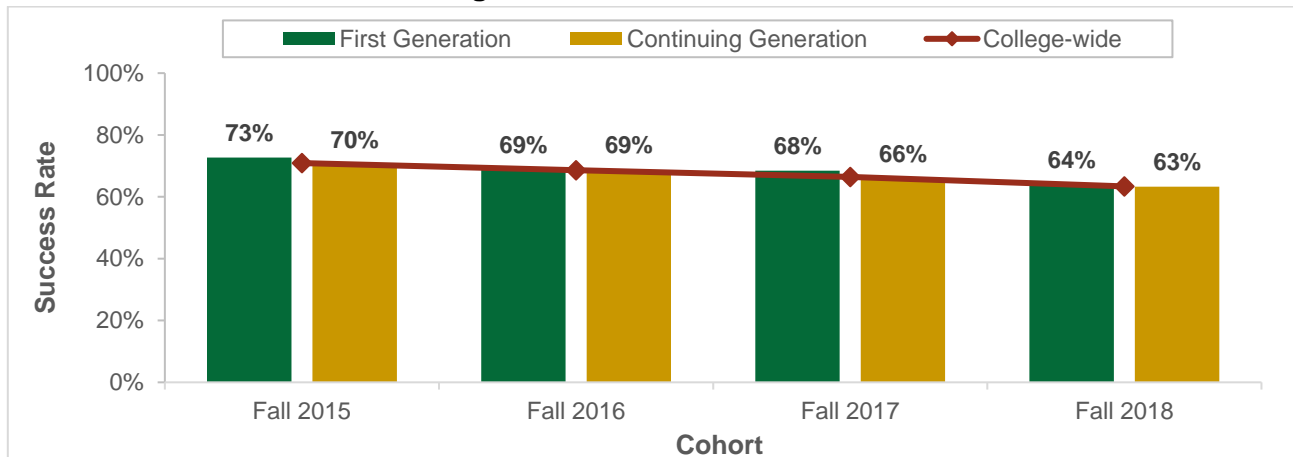


Notes: In Fall 2018, the math curriculum was redesigned. MTH 151: *Mathematics for the Liberal Arts I* was replaced with MTH 154: *Quantitative Reasoning*.

### Success in MTH 151/MTH 154 by First Generation Status

Among the Fall 2018 first-time to NOVA cohort, continuing generation students had a slightly lower success rate in MTH 154 than first generation students (63 versus 64 percent). The MTH 154 success rate for both groups was the same as or slightly higher than the College-wide MTH 154 success rate for this cohort.

**Figure 31. Course Success Rate in MTH 151/MTH 154 by First Generation Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**



Notes: In Fall 2018, the math curriculum was redesigned. MTH 151: *Mathematics for the Liberal Arts I* was replaced with MTH 154: *Quantitative Reasoning*.

## Section 7. Success in MTH 163/MTH 161 by Select Student Characteristics

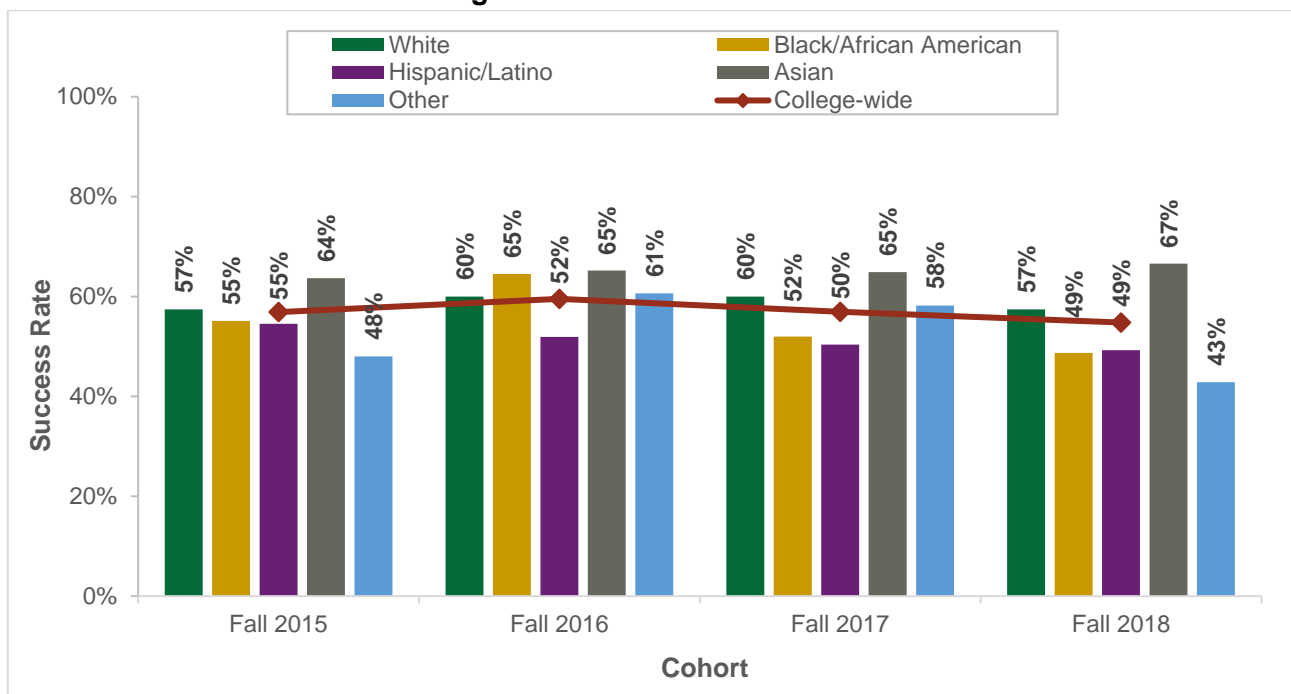
This section presents data regarding the course success rate of first-time to NOVA students in the gatekeeper course MTH 163/MTH 161: *Pre-Calculus I*. In Fall 2018, the math curriculum was redesigned and MTH 163 was reclassified as MTH 161. Success rates in MTH 163/161 are disaggregated by the following student characteristics: race/ethnicity, gender, age group, Pell Grant status, and first generation status.

### Success in MTH 163/MTH 161 by Race/Ethnicity

Among the Fall 2018 first-time to NOVA cohort, students who identified as Asian had the highest success rate in MTH 161 (67 percent). The success rate in MTH 161 for Asian students was 12 percentage points higher than the College-wide success rate (55 percent). Additionally, the success rate in MTH 161 for white students (57 percent) was slightly higher than the College.

Conversely, the other three racial/ethnic groups fell below the College-wide success rate in MTH 161 of 55 percent for this cohort. Students who identified as another race or ethnicity had the lowest success rate in MTH 161 (43 percent), followed by Hispanic/Latino students and Black/African American students (49 percent each).

**Figure 32. Course Success Rate in MTH 163/161 by Race/Ethnicity:  
Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

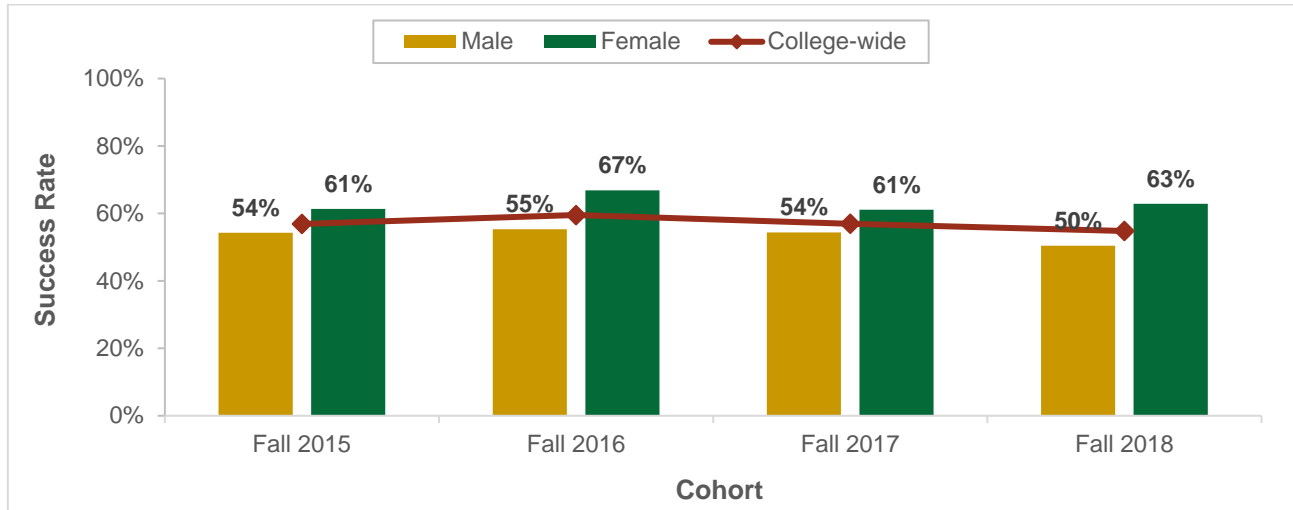


Notes: In Fall 2018, the math curriculum was redesigned and MTH 163 was reclassified as MTH 161.

### Success in MTH 163/MTH 161 by Gender

Among the Fall 2018 first-time to NOVA cohort, female students had a substantially higher success rate in MTH 161 than male students (63 versus 50 percent). While the MTH 161 success rate for female students was above the College-wide average of 55 percent, the success rate of male students was five percentage points lower than the College-wide average.

**Figure 33. Course Success Rate in MTH 163/161 by Gender: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

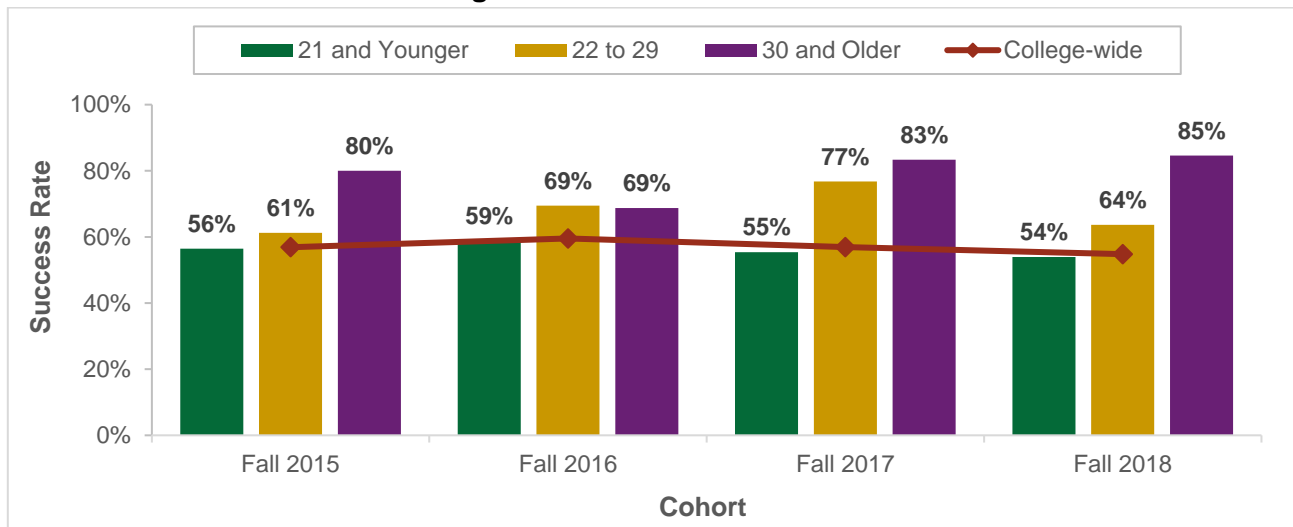


Notes: In Fall 2018, the math curriculum was redesigned and MTH 163 was reclassified as MTH 161.

### Success in MTH 163/MTH 161 by Age Group

Among the Fall 2018 first-time to NOVA cohort, the success rate of students aged 21 and younger (54 percent) was slightly below the College-wide success rate in MTH 161 of 55 percent. Due to the small number of students in the two older age groups (22 to 29; and 30 and Older) who enroll in MTH 161, results for these groups should be interpreted with caution.

**Figure 34. Course Success Rate in MTH 163/161 by Age Group: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

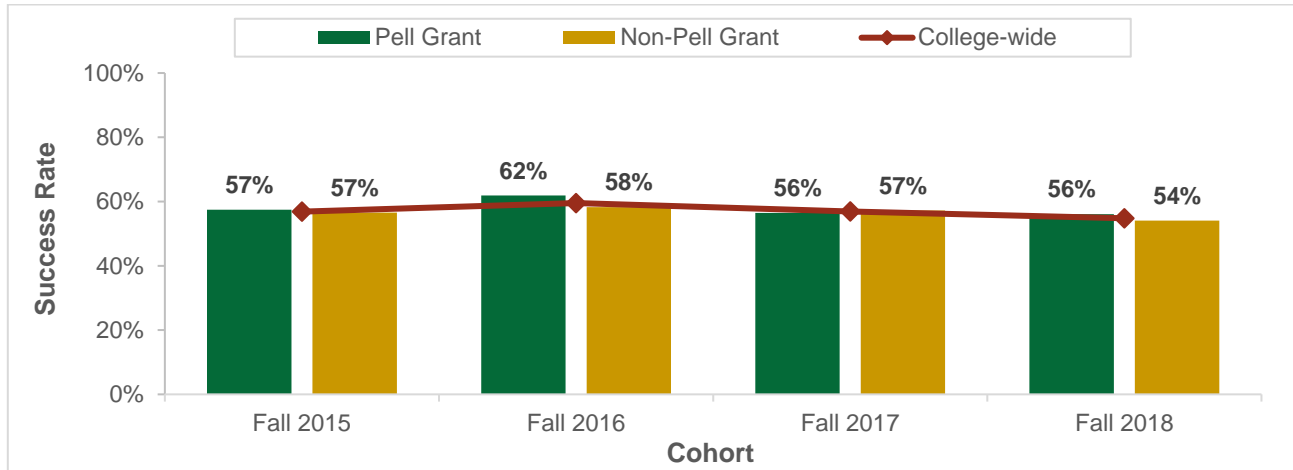


Notes: In Fall 2018, the math curriculum was redesigned and MTH 163 was reclassified as MTH 161.

### Success in MTH 163/MTH 161 by Pell Grant Status

Among the Fall 2018 first-time to NOVA cohort, Pell Grant recipients had a higher success rate in MTH 161 than non-Pell Grant recipients (56 versus 54 percent). While the MTH 161 success rate for Pell Grant recipients was slightly above the College-wide average of 55 percent, the success rate of non-Pell Grant recipients was slightly lower than the College.

**Figure 35. Course Success Rate in MTH 163/161 by Pell Grant Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

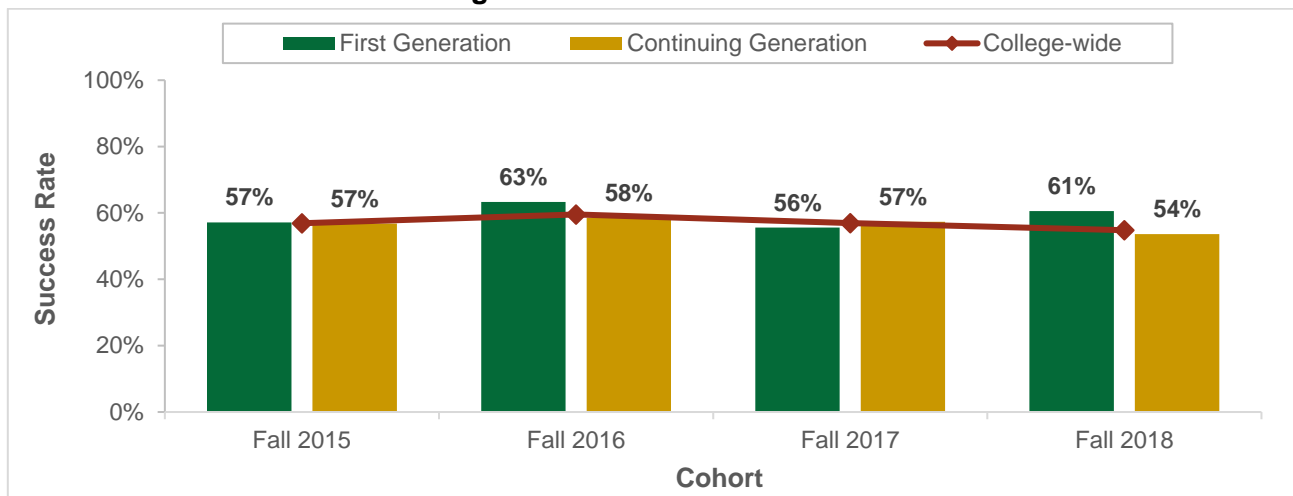


Notes: In Fall 2018, the math curriculum was redesigned and MTH 163 was reclassified as MTH 161.

### Success in MTH 163/MTH 161 by First Generation Status

Among the Fall 2018 first-time to NOVA cohort, continuing generation students had a substantially lower success rate in MTH 161 than first generation students (54 versus 61 percent). The success rate in MTH 161 for continuing generation students was slightly below the College-wide average.

**Figure 36. Course Success Rate in MTH 163/161 by First Generation Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**



Notes: In Fall 2018, the math curriculum was redesigned and MTH 163 was reclassified as MTH 161.

## Data Tables

### Overall Course Success Trends

**Table 1. Overall Course Success Rate: Fall 2016 through Fall 2019**

Term	N	Successful	
		#	%
Fall 2016	142,480	105,825	74.3
Fall 2017	141,179	104,696	74.2
Fall 2018	138,507	102,495	74.0
Fall 2019	135,426	103,274	76.3

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Grades of Audit, Missing, and Never Attending Student (NVRK) were excluded from the analysis. Total course enrollment is duplicated.

**Table 2. Gatekeeper Course Success Rate: Fall 2015 through Fall 2018**

Gatekeeper Course	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
ACC 211	674	426	63.2	537	364	67.8	449	294	65.5	408	279	68.4
BIO 101	1,744	1,309	75.1	1,595	1,202	75.4	1,327	1,003	75.6	1,594	1,234	77.4
ENG 111	8,236	6,464	78.5	6,857	5,280	77	6,505	4,835	74.3	6,593	4,910	74.5
MTH 151/MTH 154	1,148	814	70.9	939	644	68.6	977	649	66.4	1,788	1,133	63.4
MTH 163/ MTH 161	1,867	1,062	56.9	1,920	1,143	59.5	1,790	1,019	56.9	1,690	926	54.8

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Grades of Audit, Missing, and Never Attending Student (NVRK) were excluded from the analysis. Data include first-time to NOVA students enrolled in the corresponding course who were successful in that course within one year of initial enrollment.

### Course Success Rate by Select Student Characteristics

**Table 3. Course Success Rate by Race/Ethnicity: Fall 2016 through Fall 2019**

Race/ Ethnicity	Fall 2016			Fall 2017			Fall 2018			Fall 2019		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
White	51,428	39,705	77.2	49,527	38,165	77.1	47,545	36,678	77.1	45,084	35,605	79.0
Black/Afr. Amer.	23,161	15,944	68.8	23,034	15,561	67.6	21,890	14,795	67.6	20,291	14,600	72.0
Hispanic/Latino	33,708	23,791	70.6	34,432	24,348	70.7	35,177	24,690	70.2	35,980	26,035	72.4
Asian	24,664	19,573	79.4	24,574	19,634	79.9	24,122	19,115	79.2	23,501	18,952	80.6
Other*	9,519	6,812	71.6	9,612	6,988	72.7	9,773	7,217	73.8	10,570	8,082	76.5
<b>College-wide</b>	<b>142,480</b>	<b>105,825</b>	<b>74.3</b>	<b>141,179</b>	<b>104,696</b>	<b>74.2</b>	<b>138,507</b>	<b>102,495</b>	<b>74.0</b>	<b>135,426</b>	<b>103,274</b>	<b>76.3</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Grades of Audit, Missing, and Never Attending Student (NVRK) were excluded from the analysis. Total course enrollment is duplicated.

\*Other includes American Indian/Alaska Native, Hawaiian/Pacific Islander, Two or More Races, Unknown, and Not Specified.

**Table 4. Course Success Rate by Gender: Fall 2016 through Fall 2019**

Gender	Fall 2016			Fall 2017			Fall 2018			Fall 2019		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
Male	71,640	51,042	71.2	70,562	50,258	71.2	69,193	49,040	70.9	66,946	49,481	73.9
Female	70,840	54,783	77.3	70,617	54,438	77.1	69,314	53,455	77.1	67,847	53,293	78.5
Unknown	--	--	--	--	--	--	--	--	--	633	500	79.0
<b>College-wide</b>	<b>142,480</b>	<b>105,825</b>	<b>74.3</b>	<b>141,179</b>	<b>104,696</b>	<b>74.2</b>	<b>138,507</b>	<b>102,495</b>	<b>74.0</b>	<b>135,426</b>	<b>103,274</b>	<b>76.3</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Grades of Audit, Missing, and Never Attending Student (NVRK) were excluded from the analysis. Total course enrollment is duplicated.

**Table 5. Course Success Rate by Age Group: Fall 2016 through Fall 2019**

Age Group	Fall 2016			Fall 2017			Fall 2018			Fall 2019		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
21 and Younger	85,130	61,836	72.6	85,903	62,351	72.6	86,550	62,760	72.5	87,224	65,625	75.2
22 to 29	36,570	27,304	74.7	35,997	26,748	74.3	33,923	25,162	74.2	31,350	23,756	75.8
30 and Older	20,780	16,685	80.3	19,279	15,597	80.9	18,034	14,573	80.8	16,852	13,893	82.4
<b>College-wide</b>	<b>142,480</b>	<b>105,825</b>	<b>74.3</b>	<b>141,179</b>	<b>104,696</b>	<b>74.2</b>	<b>138,507</b>	<b>102,495</b>	<b>74.0</b>	<b>135,426</b>	<b>103,274</b>	<b>76.3</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Grades of Audit, Missing, and Never Attending Student (NVRK) were excluded from the analysis. Total course enrollment is duplicated.

**Table 6. Course Success Rate by Pell Grant Status: Fall 2016 through Fall 2019**

Pell Grant Status	Fall 2016			Fall 2017			Fall 2018			Fall 2019		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
Pell Grant	42,030	31,099	74.0	43,610	32,035	73.5	39,678	28,784	72.5	38,878	29,253	75.2
Non-Pell Grant	100,450	74,726	74.4	97,569	72,661	74.5	98,829	73,711	74.6	96,548	74,021	76.7
<b>College-wide</b>	<b>142,480</b>	<b>105,825</b>	<b>74.3</b>	<b>141,179</b>	<b>104,696</b>	<b>74.2</b>	<b>138,507</b>	<b>102,495</b>	<b>74.0</b>	<b>135,426</b>	<b>103,274</b>	<b>76.3</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Grades of Audit, Missing, and Never Attending Student (NVRK) were excluded from the analysis. Total course enrollment is duplicated.

**Table 7. Course Success Rate by First Generation Status: Fall 2016 through Fall 2019**

First Gen Status	Fall 2016			Fall 2017			Fall 2018			Fall 2019		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
First Gen	30,211	22,325	73.9	30,365	22,373	73.7	26,639	19,523	73.3	17,636	13,275	75.3
Cont. Gen	112,269	83,500	74.4	110,814	82,323	74.3	111,868	82,972	74.2	117,790	89,999	76.4
<b>College-wide</b>	<b>142,480</b>	<b>105,825</b>	<b>74.3</b>	<b>141,179</b>	<b>104,696</b>	<b>74.2</b>	<b>138,507</b>	<b>102,495</b>	<b>74.0</b>	<b>135,426</b>	<b>103,274</b>	<b>76.3</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Grades of Audit, Missing, and Never Attending Student (NVRK) were excluded from the analysis. Total course enrollment is duplicated.

### Success in ACC 211 by Select Student Characteristics

**Table 8. Success Rate in ACC 211: Principles of Accounting I by Race/Ethnicity: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Race/Ethnicity	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
White	277	178	64.3	232	164	70.7	186	122	65.6	161	116	72.0
Black/African American	109	61	56.0	76	42	55.3	65	41	63.1	36	19	52.8
Hispanic/Latino	121	72	59.5	102	61	59.8	96	61	63.5	94	56	59.6
Asian	123	90	73.2	88	71	80.7	68	50	73.5	77	63	81.8
Other*	44	25	56.8	39	26	66.7	34	20	58.8	40	25	62.5
<b>College-Wide</b>	<b>674</b>	<b>426</b>	<b>63.2</b>	<b>537</b>	<b>364</b>	<b>67.8</b>	<b>449</b>	<b>294</b>	<b>65.5</b>	<b>408</b>	<b>279</b>	<b>68.4</b>

Source: Office of Institutional Research, Northern Virginia Community College.

\*Other includes American Indian/Alaska Native, Hawaiian/Pacific Islander, Two or More Races, Unknown, and Not Specified.

Notes: Data include first-time to NOVA students enrolled in ACC 211 who were successful within one year of initial enrollment.



**Table 9. Success Rate in ACC 211: Principles of Accounting I  
by Gender: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Gender	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
Male	379	232	61.2	303	193	63.7	241	143	59.3	243	159	65.4
Female	295	194	65.8	234	171	73.1	208	151	72.6	165	120	72.7
<b>College-Wide</b>	<b>674</b>	<b>426</b>	<b>63.2</b>	<b>537</b>	<b>364</b>	<b>67.8</b>	<b>449</b>	<b>294</b>	<b>65.5</b>	<b>408</b>	<b>279</b>	<b>68.4</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Data include first-time to NOVA students enrolled in ACC 211 who were successful within one year of initial enrollment.

**Table 10. Success Rate in ACC 211: Principles of Accounting I  
by Age Group: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Age Group	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
21 and Younger	449	275	61.2	351	225	64.1	291	179	61.5	275	182	66.2
22 to 29	120	80	66.7	103	74	71.8	84	58	69.0	72	47	65.3
30 and Older	105	71	67.6	83	65	78.3	74	57	77.0	61	50	82.0
<b>College-Wide</b>	<b>674</b>	<b>426</b>	<b>63.2</b>	<b>537</b>	<b>364</b>	<b>67.8</b>	<b>449</b>	<b>294</b>	<b>65.5</b>	<b>408</b>	<b>279</b>	<b>68.4</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Data include first-time to NOVA students enrolled in ACC 211 who were successful within one year of initial enrollment.

**Table 11. Success Rate in ACC 211: Principles of Accounting I  
by Pell Grant Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Pell Grant Status	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
Pell Grant	185	117	63.2	152	94	61.8	118	77	65.3	105	69	65.7
Non-Pell Grant	489	309	63.2	385	270	70.1	331	217	65.6	303	210	69.3
<b>College-Wide</b>	<b>674</b>	<b>426</b>	<b>63.2</b>	<b>537</b>	<b>364</b>	<b>67.8</b>	<b>449</b>	<b>294</b>	<b>65.5</b>	<b>408</b>	<b>279</b>	<b>68.4</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Data include first-time to NOVA students enrolled in ACC 211 who were successful within one year of initial enrollment.

**Table 12. Success Rate in ACC 211: Principles of Accounting I  
by First Generation Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

First Generation Status	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
First Generation	136	82	60.3	115	76	66.1	106	71	67.0	49	34	69.4
Continuing Generation	538	344	63.9	422	288	68.2	343	223	65.0	359	245	68.2
<b>College-Wide</b>	<b>674</b>	<b>426</b>	<b>63.2</b>	<b>537</b>	<b>364</b>	<b>67.8</b>	<b>449</b>	<b>294</b>	<b>65.5</b>	<b>408</b>	<b>279</b>	<b>68.4</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Data include first-time to NOVA students enrolled in ACC 211 who were successful within one year of initial enrollment.

## Success in BIO 101 by Select Student Characteristics

**Table 13. Success Rate in BIO 101: *General Biology I*  
by Race/Ethnicity: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Race/Ethnicity	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
White	651	508	78.0	582	454	78.0	490	377	76.9	559	451	80.7
Black/African American	237	148	62.4	228	159	69.7	192	138	71.9	172	114	66.3
Hispanic/Latino	434	302	69.6	417	296	71.0	327	236	72.2	422	311	73.7
Asian	275	237	86.2	250	206	82.4	212	172	81.1	297	246	82.8
Other*	147	114	77.6	118	87	73.7	106	80	75.5	144	112	77.8
<b>College-Wide</b>	<b>1,744</b>	<b>1,309</b>	<b>75.1</b>	<b>1,595</b>	<b>1,202</b>	<b>75.4</b>	<b>1,327</b>	<b>1,003</b>	<b>75.6</b>	<b>1,594</b>	<b>1,234</b>	<b>77.4</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Data include first-time to NOVA students enrolled in BIO 101 who were successful within one year of initial enrollment.

\*Other includes American Indian/Alaska Native, Hawaiian/Pacific Islander, Two or More Races, Unknown, and Not Specified.

**Table 14. Success Rate in BIO 101: *General Biology I*  
by Gender: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Gender	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
Male	783	572	73.1	682	479	70.2	580	417	71.9	638	476	74.6
Female	961	737	76.7	913	723	79.2	747	586	78.4	956	758	79.3
<b>College-Wide</b>	<b>1,744</b>	<b>1,309</b>	<b>75.1</b>	<b>1,595</b>	<b>1,202</b>	<b>75.4</b>	<b>1,327</b>	<b>1,003</b>	<b>75.6</b>	<b>1,594</b>	<b>1,234</b>	<b>77.4</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Data include first-time to NOVA students enrolled in BIO 101 who were successful within one year of initial enrollment.

**Table 15. Success Rate in BIO 101: *General Biology I*  
by Age Group: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Age Group	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
21 and Younger	1,554	1,160	74.6	1,485	1,117	75.2	1,232	918	74.5	1,479	1,134	76.7
22 to 29	132	103	78.0	80	62	77.5	72	64	88.9	92	78	84.8
30 and Older	58	46	79.3	30	23	76.7	23	21	91.3	23	22	95.7
<b>College-Wide</b>	<b>1,744</b>	<b>1,309</b>	<b>75.1</b>	<b>1,595</b>	<b>1,202</b>	<b>75.4</b>	<b>1,327</b>	<b>1,003</b>	<b>75.6</b>	<b>1,594</b>	<b>1,234</b>	<b>77.4</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Data include first-time to NOVA students enrolled in BIO 101 who were successful within one year of initial enrollment.

**Table 16. Success Rate in BIO 101: *General Biology I*  
by Pell Grant Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Pell Grant Status	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
Pell Grant	630	463	73.5	563	423	75.1	465	354	76.1	504	357	70.8
Non-Pell Grant	1,114	846	75.9	1,032	779	75.5	862	649	75.3	1,090	877	80.5
<b>College-Wide</b>	<b>1,744</b>	<b>1,309</b>	<b>75.1</b>	<b>1,595</b>	<b>1,202</b>	<b>75.4</b>	<b>1,327</b>	<b>1,003</b>	<b>75.6</b>	<b>1,594</b>	<b>1,234</b>	<b>77.4</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Data include first-time to NOVA students enrolled in BIO 101 who were successful within one year of initial enrollment.

**Table 17. Success Rate in BIO 101: *General Biology I*  
by First Generation Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

First Generation Status	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
First Generation	362	269	74.3	319	234	73.4	265	203	76.6	232	155	66.8
Continuing Generation	1,382	1,040	75.3	1,276	968	75.9	1,062	800	75.3	1,362	1,079	79.2
<b>College-Wide</b>	<b>1,744</b>	<b>1,309</b>	<b>75.1</b>	<b>1,595</b>	<b>1,202</b>	<b>75.4</b>	<b>1,327</b>	<b>1,003</b>	<b>75.6</b>	<b>1,594</b>	<b>1,234</b>	<b>77.4</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Data include first-time to NOVA students enrolled in BIO 101 who were successful within one year of initial enrollment.

**Success in ENG 111 by Select Student Characteristics**

**Table 18. Success Rate in ENG 111: *College Composition I*  
by Race/Ethnicity: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Race/Ethnicity	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
White	3,124	2,575	82.4	2,367	1,883	79.6	2,162	1,663	76.9	2,110	1,634	77.4
Black/African American	1,213	849	70.0	1,084	788	72.7	1,072	729	68.0	993	665	67.0
Hispanic/Latino	2,124	1,570	73.9	1,923	1,405	73.1	1,869	1,319	70.6	1,971	1,386	70.3
Asian	1,152	989	85.9	1,021	863	84.5	904	750	83.0	1,007	837	83.1
Other*	623	481	77.2	462	341	73.8	498	374	75.1	512	388	75.8
<b>College-Wide</b>	<b>8,236</b>	<b>6,464</b>	<b>78.5</b>	<b>6,857</b>	<b>5,280</b>	<b>77.0</b>	<b>6,505</b>	<b>4,835</b>	<b>74.3</b>	<b>6,593</b>	<b>4,910</b>	<b>74.5</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Data include first-time to NOVA students enrolled in ENG 111 who were successful within one year of initial enrollment.

\*Other includes American Indian/Alaska Native, Hawaiian/Pacific Islander, Two or More Races, Unknown, and Not Specified.

**Table 19. Success Rate in ENG 111: *College Composition I*  
by Gender: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Gender	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
Male	4,363	3,237	74.2	3,591	2,643	73.6	3,504	2,445	69.8	3,497	2,479	70.9
Female	3,873	3,227	83.3	3,266	2,637	80.7	3,001	2,390	79.6	3,096	2,431	78.5
<b>College-Wide</b>	<b>8,236</b>	<b>6,464</b>	<b>78.5</b>	<b>6,857</b>	<b>5,280</b>	<b>77.0</b>	<b>6,505</b>	<b>4,835</b>	<b>74.3</b>	<b>6,593</b>	<b>4,910</b>	<b>74.5</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Data include first-time to NOVA students enrolled in ENG 111 who were successful within one year of initial enrollment.

**Table 20. Success Rate in ENG 111: *College Composition I*  
by Age Group: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Age Group	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
21 and Younger	7,436	5,832	78.4	6,122	4,671	76.3	5,784	4,251	73.5	5,947	4,385	73.7
22 to 29	551	422	76.6	511	418	81.8	488	387	79.3	444	349	78.6
30 and Older	249	210	84.3	224	191	85.3	233	197	84.5	202	176	87.1
<b>College-Wide</b>	<b>8,236</b>	<b>6,464</b>	<b>78.5</b>	<b>6,857</b>	<b>5,280</b>	<b>77.0</b>	<b>6,505</b>	<b>4,835</b>	<b>74.3</b>	<b>6,593</b>	<b>4,910</b>	<b>74.5</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Data include first-time to NOVA students enrolled in ENG 111 who were successful within one year of initial enrollment.

**Table 21. Success Rate in ENG 111: *College Composition I*  
by Pell Grant Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Pell Grant Status	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
Pell Grant	2,531	1,918	75.8	2,346	1,794	76.5	2,299	1,702	74.0	2,168	1,574	72.6
Non-Pell Grant	5,705	4,546	79.7	4,511	3,486	77.3	4,206	3,133	74.5	4,425	3,336	75.4
<b>College-Wide</b>	<b>8,236</b>	<b>6,464</b>	<b>78.5</b>	<b>6,857</b>	<b>5,280</b>	<b>77.0</b>	<b>6,505</b>	<b>4,835</b>	<b>74.3</b>	<b>6,593</b>	<b>4,910</b>	<b>74.5</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Data include first-time to NOVA students enrolled in ENG 111 who were successful within one year of initial enrollment.

**Table 22. Success Rate in ENG 111: *College Composition I*  
by First Generation Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

First Generation Status	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
First Generation	1,632	1,242	76.1	1,535	1,188	77.4	1,468	1,058	72.1	1,050	787	75.0
Continuing Generation	6,604	5,222	79.1	5,322	4,092	76.9	5,037	3,777	75.0	5,543	4,123	74.4
<b>College-Wide</b>	<b>8,236</b>	<b>6,464</b>	<b>78.5</b>	<b>6,857</b>	<b>5,280</b>	<b>77.0</b>	<b>6,505</b>	<b>4,835</b>	<b>74.3</b>	<b>6,593</b>	<b>4,910</b>	<b>74.5</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: Data include first-time to NOVA students enrolled in ENG 111 who were successful within one year of initial enrollment.

### Success in MTH 151/154 by Select Student Characteristics

**Table 23. Success Rate in MTH 151: *Math for the Liberal Arts I* / MTH 154: *Quantitative Reasoning* by Race/Ethnicity: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Race/Ethnicity	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
White	504	367	72.8	421	310	73.6	419	276	65.9	637	434	68.1
Black/African American	145	96	66.2	123	76	61.8	118	72	61.0	250	123	49.2
Hispanic/Latino	285	189	66.3	246	162	65.9	282	192	68.1	568	347	61.1
Asian	116	92	79.3	81	55	67.9	85	58	68.2	216	156	72.2
Other*	98	70	71.4	68	41	60.3	73	51	69.9	117	73	62.4
<b>College-Wide</b>	<b>1,148</b>	<b>814</b>	<b>70.9</b>	<b>939</b>	<b>644</b>	<b>68.6</b>	<b>977</b>	<b>649</b>	<b>66.4</b>	<b>1,788</b>	<b>1,133</b>	<b>63.4</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: In Fall 2018, the math curriculum was redesigned. MTH 151: *Mathematics for the Liberal Arts I* was replaced with MTH 154: *Quantitative Reasoning*. Data include first-time to NOVA students enrolled in MTH 151/MTH 154 who were successful within one year of initial enrollment.

\*Other includes American Indian/Alaska Native, Hawaiian/Pacific Islander, Two or More Races, Unknown, and Not Specified.

**Table 24. Success Rate in MTH 151: *Math for the Liberal Arts I* / MTH 154: *Quantitative Reasoning* by Gender: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Gender	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
Male	532	346	65.0	467	289	61.9	475	296	62.3	722	419	58.0
Female	616	468	76.0	472	355	75.2	502	353	70.3	1,066	714	67.0
<b>College-Wide</b>	<b>1,148</b>	<b>814</b>	<b>70.9</b>	<b>939</b>	<b>644</b>	<b>68.6</b>	<b>977</b>	<b>649</b>	<b>66.4</b>	<b>1,788</b>	<b>1,133</b>	<b>63.4</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: In Fall 2018, the math curriculum was redesigned. MTH 151: *Mathematics for the Liberal Arts I* was replaced with MTH 154: *Quantitative Reasoning*. Data include first-time to NOVA students enrolled in MTH 151/MTH 154 who were successful within one year of initial enrollment.

**Table 25. Success Rate in MTH 151: *Math for the Liberal Arts I* / MTH 154: *Quantitative Reasoning* by Age Group: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Age Group	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
21 and Younger	1,000	700	70.0	838	567	67.7	864	561	64.9	1,617	1,011	62.5
22 to 29	103	77	74.8	70	55	78.6	75	57	76.0	115	81	70.4
30 and Older	45	37	82.2	31	22	71.0	38	31	81.6	56	41	73.2
<b>College-Wide</b>	<b>1,148</b>	<b>814</b>	<b>70.9</b>	<b>939</b>	<b>644</b>	<b>68.6</b>	<b>977</b>	<b>649</b>	<b>66.4</b>	<b>1,788</b>	<b>1,133</b>	<b>63.4</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: In Fall 2018, the math curriculum was redesigned. MTH 151: *Mathematics for the Liberal Arts I* was replaced with MTH 154: *Quantitative Reasoning*. Data include first-time to NOVA students enrolled in MTH 151/MTH 154 who were successful within one year of initial enrollment.

**Table 26. Success Rate in MTH 151: *Math for the Liberal Arts I* / MTH 154: *Quantitative Reasoning* by Pell Grant Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Pell Grant Status	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
Pell Grant	336	224	66.7	272	173	63.6	284	193	68.0	581	357	61.4
Non-Pell Grant	812	590	72.7	667	471	70.6	693	456	65.8	1,207	776	64.3
<b>College-Wide</b>	<b>1,148</b>	<b>814</b>	<b>70.9</b>	<b>939</b>	<b>644</b>	<b>68.6</b>	<b>977</b>	<b>649</b>	<b>66.4</b>	<b>1,788</b>	<b>1,133</b>	<b>63.4</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: In Fall 2018, the math curriculum was redesigned. MTH 151: *Mathematics for the Liberal Arts I* was replaced with MTH 154: *Quantitative Reasoning*. Data include first-time to NOVA students enrolled in MTH 151/MTH 154 who were successful within one year of initial enrollment.

**Table 27. Success Rate in MTH 151: *Math for the Liberal Arts I* / MTH 154: *Quantitative Reasoning* by First Generation Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

First Generation Status	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
First Generation	238	173	72.7	179	123	68.7	203	139	68.5	307	196	63.8
Continuing Generation	910	641	70.4	760	521	68.6	774	510	65.9	1,481	937	63.3
<b>College-Wide</b>	<b>1,148</b>	<b>814</b>	<b>70.9</b>	<b>939</b>	<b>644</b>	<b>68.6</b>	<b>977</b>	<b>649</b>	<b>66.4</b>	<b>1,788</b>	<b>1,133</b>	<b>63.4</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: In Fall 2018, the math curriculum was redesigned. MTH 151: *Mathematics for the Liberal Arts I* was replaced with MTH 154: *Quantitative Reasoning*. Data include first-time to NOVA students enrolled in MTH 151/MTH 154 who were successful within one year of initial enrollment.

## Success in MTH 163/MTH 161 by Select Student Characteristics

**Table 28. Success Rate in MTH 163/MTH 161: *Pre-Calculus I* by Race/Ethnicity: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Race/Ethnicity	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
White	594	341	57.4	605	363	60.0	540	324	60.0	505	290	57.4
Black/African American	254	140	55.1	279	180	64.5	254	132	52.0	234	114	48.7
Hispanic/Latino	528	288	54.5	524	272	51.9	518	261	50.4	469	231	49.3
Asian	366	233	63.7	385	251	65.2	356	231	64.9	356	237	66.6
Other*	125	60	48.0	127	77	60.6	122	71	58.2	126	54	42.9
<b>College-Wide</b>	<b>1,867</b>	<b>1,062</b>	<b>56.9</b>	<b>1,920</b>	<b>1,143</b>	<b>59.5</b>	<b>1,790</b>	<b>1,019</b>	<b>56.9</b>	<b>1,690</b>	<b>926</b>	<b>54.8</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: In Fall 2018, the math curriculum was redesigned. MTH 163: *Pre-Calculus I* was reclassified as MTH 161: *Pre-Calculus I*. Data include first-time to NOVA students enrolled in MTH 163/MTH 161 who were successful within one year of initial enrollment.

\*Other includes American Indian/Alaska Native, Hawaiian/Pacific Islander, Two or More Races, Unknown, and Not Specified.

**Table 29. Success Rate in MTH 163/MTH 161: *Pre-Calculus I* by Gender: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Gender	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
Male	1,174	637	54.3	1,217	673	55.3	1,111	604	54.4	1,095	552	50.4
Female	693	425	61.3	703	470	66.9	679	415	61.1	595	374	62.9
<b>College-Wide</b>	<b>1,867</b>	<b>1,062</b>	<b>56.9</b>	<b>1,920</b>	<b>1,143</b>	<b>59.5</b>	<b>1,790</b>	<b>1,019</b>	<b>56.9</b>	<b>1,690</b>	<b>926</b>	<b>54.8</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: In Fall 2018, the math curriculum was redesigned. MTH 163: *Pre-Calculus I* was reclassified as MTH 161: *Pre-Calculus I*. Data include first-time to NOVA students enrolled in MTH 163/MTH 161 who were successful within one year of initial enrollment.

**Table 30. Success Rate in MTH 163/MTH 161: *Pre-Calculus I* by Age Group: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Age Group	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
21 and Younger	1,754	990	56.4	1,793	1,055	58.8	1,667	923	55.4	1,598	862	53.9
22 to 29	98	60	61.2	95	66	69.5	99	76	76.8	66	42	63.6
30 and Older	15	12	80.0	32	22	68.8	24	20	83.3	26	22	84.6
<b>College-Wide</b>	<b>1,867</b>	<b>1,062</b>	<b>56.9</b>	<b>1,920</b>	<b>1,143</b>	<b>59.5</b>	<b>1,790</b>	<b>1,019</b>	<b>56.9</b>	<b>1,690</b>	<b>926</b>	<b>54.8</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: In Fall 2018, the math curriculum was redesigned. MTH 163: *Pre-Calculus I* was reclassified as MTH 161: *Pre-Calculus I*. Data include first-time to NOVA students enrolled in MTH 163/MTH 161 who were successful within one year of initial enrollment.

**Table 31. Success Rate in MTH 163/MTH 161: *Pre-Calculus I*  
by Pell Grant Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

Pell Grant Status	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
Pell Grant	682	392	57.5	677	419	61.9	671	379	56.5	610	342	56.1
Non-Pell Grant	1,185	670	56.5	1,243	724	58.2	1,119	640	57.2	1,080	584	54.1
<b>College-Wide</b>	<b>1,867</b>	<b>1,062</b>	<b>56.9</b>	<b>1,920</b>	<b>1,143</b>	<b>59.5</b>	<b>1,790</b>	<b>1,019</b>	<b>56.9</b>	<b>1,690</b>	<b>926</b>	<b>54.8</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: In Fall 2018, the math curriculum was redesigned. MTH 163: *Pre-Calculus I* was reclassified as MTH 161: *Pre-Calculus I*. Data include first-time to NOVA students enrolled in MTH 163/MTH 161 who were successful within one year of initial enrollment.

**Table 32. Success Rate in MTH 163/MTH 161: *Pre-Calculus I*  
by First Generation Status: Fall 2015 through Fall 2018 First-Time to NOVA Cohorts**

First Generation Status	Fall 2015			Fall 2016			Fall 2017			Fall 2018		
	N	Successful		N	Successful		N	Successful		N	Successful	
		#	%		#	%		#	%		#	%
First Generation	399	228	57.1	417	264	63.3	403	224	55.6	284	172	60.6
Continuing Generation	1,468	834	56.8	1,503	879	58.5	1,387	795	57.3	1,406	754	53.6
<b>College-Wide</b>	<b>1,867</b>	<b>1,062</b>	<b>56.9</b>	<b>1,920</b>	<b>1,143</b>	<b>59.5</b>	<b>1,790</b>	<b>1,019</b>	<b>56.9</b>	<b>1,690</b>	<b>926</b>	<b>54.8</b>

Source: Office of Institutional Research, Northern Virginia Community College.

Notes: In Fall 2018, the math curriculum was redesigned. MTH 163: *Pre-Calculus I* was reclassified as MTH 161: *Pre-Calculus I*. Data include first-time to NOVA students enrolled in MTH 163/MTH 161 who were successful within one year of initial enrollment.