NOVA
Northern Virginia Community College

OFFICE OF INSTITUTIONAL EFFECTIVENESS AND STUDENT SUCCESS

## RESEARCH BRIEF

## Enrollment in and Completion of STEM Programs by Race/Ethnicity and Gender: Fall 2016 First-Time in College Cohort

## Introduction

Across the nation, employment opportunities are expanding rapidly for individuals in science, technology, engineering, and mathematics (STEM) fields. The Bureau of Labor Statistics (BLS) projects STEM-related jobs to grow by 13 percent between 2012 and 2022, the equivalent of about one million new jobs. Furthermore, employment in STEM jobs can also result in higher wages: BLS research shows the median wage for STEM workers to be roughly double that of all workers. ${ }^{1}$

Due to the economic and employment opportunities of the STEM fields, many students are choosing to enroll in STEM programs in college. However, research shows that while enrollment in STEM programs is similar for all student groups, minority students may be less likely to complete STEM programs. Therefore, an analysis of completion rates in STEM fields can help colleges to better support students and close achievement gaps. ${ }^{2}$

## In This Brief

This Research Brief examines enrollment in and completion of select STEM programs at NOVA by race/ethnicity and gender and campus. Analyses show first-time in college students (FTIC) who first enrolled at NOVA in Fall 2015 (Fall 2015 FTIC Cohort).

## Key Findings: College-wide

- College-wide at NOVA, White male students account for the largest percentage of STEM program enrollments, as well as STEM program completions.
- Disproportionate to their enrollment sizes, female students account for the smallest percentage of STEM program enrollments and completions.
- Students of all racial/ethnic groups account for a smaller percentage of STEM program completions relative to their STEM program enrollments, suggesting many of these students do not complete the STEM program in which they enroll.

[^0]
## STEM Program Enrollment and Completion: College-Wide

College-wide at NOVA, Black/African American females accounted for eight percent of all Fall 2015 enrollments, but only five percent of STEM program enrollments, and three percent of all STEM program completions. Conversely, White males accounted for 18 percent of all enrollments, and 20 percent of all STEM program completions-the highest of any race/gender group.

Figure 1. Enrollment in and Completion of Select STEM Programs by Race/Ethnicity and Gender: Fall 2015 FTIC Cohort - College-Wide


## STEM Program Enrollment and Completion: Alexandria Campus

For students who list Alexandria as their home campus, the figure below shows that Black/African American females accounted for 16 percent of all Fall 2015 enrollments (the most of any race/gender group), but only four percent of all STEM program completions. Conversely, White males accounted for only 13 percent of all FTIC enrollments, but 22 percent of STEM program completions-the highest of any group.

Figure 2. Enrollment in and Completion of Select STEM Programs by Race/Ethnicity and Gender: Fall 2015 FTIC Cohort - Alexandria Campus


## STEM Program Enrollment and Completion: Annandale Campus

For students who listed Annandale as their home campus, the figure below shows that Black/African American males accounted for seven percent of all Fall 2015 FTIC enrollments, but only three percent of all STEM program completions for this cohort, the lowest of any group.
Similarly, Hispanic/Latina females accounted for 12 percent of all FTIC enrollments, but only seven percent of STEM program completions.

Figure 3. Enrollment in and Completion of Select STEM Programs by Race/Ethnicity and Gender: Fall 2015 FTIC Cohort - Annandale Campus


## STEM Program Enrollment and Completion: Loudoun Campus

For students who listed Loudoun as their home campus, the figure below shows that Black/African American females accounted for six percent of all Fall 2015 FTIC enrollments, but no STEM program completions at NOVA, the lowest of any group. However, Hispanic/Latino males accounted for 13 percent of FTIC enrollments and 15 percent of STEM program completions from this cohort.

Figure 4. Enrollment in and Completion of Select STEM Programs by Race/Ethnicity and Gender: Fall 2015 FTIC Cohort - Loudoun Campus


## STEM Program Enrollment and Completion: Manassas Campus

For students who listed Manassas as their home campus, the figure below shows that Black/African American females accounted for five percent of all Fall 2015 FTIC enrollments, but no STEM program completions-the lowest of any group. Conversely, White males accounted for 25 percent of all FTIC enrollments, and 29 percent of all STEM program completions-the highest of any race/gender group.

Figure 5. Enrollment in and Completion of Select STEM Programs by Race/Ethnicity and Gender: Fall 2015 FTIC Cohort - Manassas Campus


## STEM Program Enrollment and Completion: Medical Education Campus

The figure below shows the percentage of FTIC students who listed Medical Education as their home campus who enrolled at NOVA, enrolled in a STEM program at NOVA, and completed a STEM program at NOVA. However, since few entering FTIC students initially list Medical Education as their home campus, the numbers presented below may be skewed and not representative of actual trends.

Figure 6. Enrollment in and Completion of Select STEM Programs by Race/Ethnicity and Gender: Fall 2015 FTIC Cohort - Medical Education Campus


## STEM Program Enrollment and Completion: Woodbridge Campus

For students who listed Woodbridge as their home campus, the figure below shows that Black/African American females accounted for 12 percent of all Fall 2015 FTIC enrollments, but only three percent of all STEM program completions-the lowest of any race/gender group.
Similarly, Black/African American males accounted for 14 percent of all FTIC enrollments, but only six percent of STEM program completions. White males and Hispanic/Latino males had the highest percentage of STEM program completions for this cohort (both 15 percent).

Figure 7. Enrollment in and Completion of Select STEM Programs by Race/Ethnicity and Gender: Fall 2015 FTIC Cohort - Woodbridge Campus


## Appendix: Data Table: Fall 2013 through Fall 2016 FTIC Cohorts

Table 1. Select NOVA STEM Programs

| Major Description | Major Description |
| :--- | :--- |
| Diagnostic Medical Sonography | Information Systems Technology |
| Dental Hygiene | Horticulture Technology |
| Occupational Therapy Assistant | Information Technology |
| Emergency Medical Services | CyberSecurity |
| Biotechnology | Fire Science Technology |
| Medical Laboratory Technology | Computer and Electronics Technology |
| Health Information Management | Engineering |
| Nursing | Science |
| Radiography | Architecture Technology |
| Physical Therapist Assistant | Air Conditioning and Refrigeration |
| Respiratory Therapy | Automotive Technology |
| Veterinary Technology | Construction Management Technology |
| Accounting | Engineering Technology |
| Computer Science |  |

Table A2. Enrollment in and Completion of Select STEM Programs by Race/Ethnicity and Gender: Fall 2013 through Fall 2016 FTIC Cohorts - College-Wide

| College-Wide |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Race/Ethnicity and Gender | Metrics | Fall 2013 |  | Fall 2014 |  | Fall 2015 |  | Fall 2016 |  |
|  |  | \# | \% | \# | \% | \# | \% | \# | \% |
| White Female | Enrolled at NOVA | 1,156 | 14.9 | 1,127 | 14.6 | 1,048 | 13.5 | 985 | 13.4 |
|  | Enrolled in STEM Program | 201 | 9.3 | 189 | 8.2 | 172 | 7.2 | 194 | 8.4 |
|  | Completed STEM Program | 40 | 12.8 | 38 | 12.1 | 30 | 8.5 | -- | -- |
| White Male | Enrolled at NOVA | 1,394 | 17.9 | 1,355 | 17.5 | 1,422 | 18.4 | 1,349 | 18.4 |
|  | Enrolled in STEM Program | 449 | 20.7 | 487 | 21.1 | 546 | 22.8 | 512 | 22.2 |
|  | Completed STEM Program | 54 | 17.3 | 65 | 20.7 | 69 | 19.5 | -- | -- |
| Black/African American Female | Enrolled at NOVA | 746 | 9.6 | 684 | 8.8 | 624 | 8.1 | 633 | 8.6 |
|  | Enrolled in STEM Program | 115 | 5.3 | 124 | 5.4 | 116 | 4.8 | 120 | 5.2 |
|  | Completed STEM Program | 10 | 3.2 | 15 | 4.8 | 9 | 2.5 | -- | -- |
| Black/African American Male | Enrolled at NOVA | 722 | 9.3 | 698 | 9.0 | 740 | 9.6 | 622 | 8.5 |
|  | Enrolled in STEM Program | 259 | 11.9 | 285 | 12.4 | 300 | 12.5 | 254 | 11.0 |
|  | Completed STEM Program | 22 | 7.1 | 23 | 7.3 | 24 | 6.8 | -- | -- |
| Hispanic/ Latina Female | Enrolled at NOVA | 1,057 | 13.6 | 1,090 | 14.1 | 1,068 | 13.8 | 1,096 | 15.0 |
|  | Enrolled in STEM Program | 171 | 7.9 | 148 | 6.4 | 168 | 7.0 | 176 | 7.6 |
|  | Completed STEM Program | 21 | 6.7 | 16 | 5.1 | 29 | 8.2 | -- | -- |
| Hispanic/Latino Male | Enrolled at NOVA | 952 | 12.3 | 1,061 | 13.7 | 1,083 | 14.0 | 1,011 | 13.8 |
|  | Enrolled in STEM Program | 336 | 15.5 | 404 | 17.5 | 418 | 17.4 | 381 | 16.5 |
|  | Completed STEM Program | 34 | 10.9 | 32 | 10.2 | 51 | 14.4 | -- | -- |

Table A3. Enrollment in and Completion of Select STEM Programs by Race/Ethnicity and Gender: Fall 2013 through Fall 2016 FTIC Cohorts - Alexandria Campus

| Alexandria Campus |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Race/Ethnicity and Gender | Metrics | Fall 2013 |  | Fall 2014 |  | Fall 2015 |  | Fall 2016 |  |
|  |  | \# | \% | \# | \% | \# | \% | \# | \% |
| White Female | Enrolled at NOVA | 150 | 10.5 | 123 | 9.7 | 128 | 9.9 | 114 | 10.4 |
|  | Enrolled in STEM Program | 31 | 8.1 | 23 | 6.0 | 17 | 3.7 | 24 | 7.1 |
|  | Completed STEM Program | 3 | 8.1 | 4 | 8.2 | 2 | 4.4 | -- | -- |
| White Male | Enrolled at NOVA | 159 | 11.2 | 154 | 12.2 | 161 | 12.5 | 154 | 14.0 |
|  | Enrolled in STEM Program | 56 | 14.6 | 64 | 16.8 | 78 | 17.0 | 51 | 15.1 |
|  | Completed STEM Program | 5 | 13.5 | 9 | 18.4 | 10 | 22.2 | -- | -- |
| Black/African American Female | Enrolled at NOVA | 261 | 18.4 | 232 | 18.4 | 206 | 16.0 | 161 | 14.6 |
|  | Enrolled in STEM Program | 36 | 9.4 | 46 | 12.0 | 58 | 12.7 | 26 | 7.7 |
|  | Completed STEM Program | 1 | 2.7 | 6 | 12.2 | 2 | 4.4 | -- | -- |
| Black/African American Male | Enrolled at NOVA | 244 | 17.2 | 214 | 17.0 | 194 | 15.1 | 148 | 13.5 |
|  | Enrolled in STEM Program | 75 | 19.5 | 91 | 23.8 | 97 | 21.2 | 67 | 19.9 |
|  | Completed STEM Program | 5 | 13.5 | 7 | 14.3 | 8 | 17.8 | -- | -- |
| Hispanic/Latina Female | Enrolled at NOVA | 194 | 13.6 | 179 | 14.2 | 174 | 13.5 | 148 | 13.5 |
|  | Enrolled in STEM Program | 34 | 8.9 | 15 | 3.9 | 35 | 7.6 | 20 | 5.9 |
|  | Completed STEM Program | 4 | 10.8 | 3 | 6.1 | 2 | 4.4 | -- | -- |
| Hispanic/Latino Male | Enrolled at NOVA | 163 | 11.5 | 162 | 12.8 | 176 | 13.7 | 163 | 14.8 |
|  | Enrolled in STEM Program | 60 | 15.6 | 62 | 16.2 | 83 | 18.1 | 64 | 19.0 |
|  | Completed STEM Program | 6 | 16.2 | 6 | 12.2 | 8 | 17.8 | -- | -- |

Table A3. Enrollment in and Completion of Select STEM Programs by Race/Ethnicity and Gender: Fall 2013 through Fall 2016 FTIC Cohorts - Annandale Campus

| Annandale Campus |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Race/Ethnicity and Gender | Metrics | Fall 2013 |  | Fall 2014 |  | Fall 2015 |  | Fall 2016 |  |
|  |  | \# | \% | \# | \% | \# | \% | \# | \% |
| White Female | Enrolled at NOVA | 304 | 12.4 | 330 | 13.7 | 300 | 13.0 | 264 | 11.7 |
|  | Enrolled in STEM Program | 56 | 7.9 | 54 | 7.3 | 60 | 8.2 | 55 | 7.0 |
|  | Completed STEM Program | 6 | 5.7 | 10 | 10.0 | 9 | 7.3 | -- | -- |
| White Male | Enrolled at NOVA | 441 | 17.9 | 425 | 17.6 | 421 | 18.3 | 398 | 17.7 |
|  | Enrolled in STEM Program | 144 | 20.3 | 162 | 21.8 | 166 | 22.8 | 163 | 20.7 |
|  | Completed STEM Program | 13 | 12.3 | 19 | 19.0 | 20 | 16.3 | -- | -- |

Note: Students enrolled in a STEM program in their first semester and graduated with a STEM degree within three years. The initial program may not be the same as the degree program.

| Annandale Campus |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Race/Ethnicity and Gender | Metrics | Fall 2013 |  | Fall 2014 |  | Fall 2015 |  | Fall 2016 |  |
|  |  | \# | \% | \# | \% | \# | \% | \# | \% |
| Black/African American Female | Enrolled at NOVA | 151 | 6.1 | 105 | 4.3 | 95 | 4.1 | 129 | 5.7 |
|  | Enrolled in STEM Program | 28 | 3.9 | 17 | 2.3 | 22 | 3.0 | 36 | 4.6 |
|  | Completed STEM Program | 6 | 5.7 | 0 | 0.0 | 5 | 4.1 | -- | -- |
| Black/African American Male | Enrolled at NOVA | 157 | 6.4 | 145 | 6.0 | 162 | 7.0 | 164 | 7.3 |
|  | Enrolled in STEM Program | 68 | 9.6 | 60 | 8.1 | 63 | 8.6 | 69 | 8.8 |
|  | Completed STEM Program | 9 | 8.5 | 8 | 8.0 | 4 | 3.3 | -- | -- |
| Hispanic/Latina Female | Enrolled at NOVA | 324 | 13.2 | 338 | 14.0 | 284 | 12.3 | 319 | 14.2 |
|  | Enrolled in STEM Program | 43 | 6.1 | 50 | 6.7 | 46 | 6.3 | 58 | 7.4 |
|  | Completed STEM Program | 7 | 6.6 | 2 | 2.0 | 8 | 6.5 | -- | -- |
| Hispanic/Latino Male | Enrolled at NOVA | 334 | 13.6 | 344 | 14.3 | 325 | 14.1 | 327 | 14.5 |
|  | Enrolled in STEM Program | 100 | 14.1 | 127 | 17.1 | 106 | 14.5 | 117 | 14.9 |
|  | Completed STEM Program | 10 | 9.4 | 6 | 6.0 | 18 | 14.6 | -- | -- |

Table A4. Enrollment in and Completion of Select STEM Programs by Race/Ethnicity and Gender: Fall 2013 through Fall 2016 FTIC Cohorts - Loudoun Campus

| Loudoun Campus |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Race/Ethnicity and Gender | Metrics | Fall 2013 |  | Fall 2014 |  | Fall 2015 |  | Fall 2016 |  |
|  |  | \# | \% | \# | \% | \# | \% | \# | \% |
| White Female | Enrolled at NOVA | 254 | 20.2 | 257 | 18.7 | 234 | 17.6 | 233 | 18.2 |
|  | Enrolled in STEM Program | 40 | 11.8 | 51 | 12.0 | 39 | 9.8 | 45 | 11.5 |
|  | Completed STEM Program | 12 | 18.2 | 12 | 19.0 | 6 | 11.3 | -- | -- |
| White Male | Enrolled at NOVA | 302 | 24.0 | 327 | 23.8 | 303 | 22.8 | 291 | 22.7 |
|  | Enrolled in STEM Program | 82 | 24.3 | 113 | 26.5 | 111 | 27.8 | 110 | 28.1 |
|  | Completed STEM Program | 13 | 19.7 | 13 | 20.6 | 10 | 18.9 | -- | -- |
| Black/African American Female | Enrolled at NOVA | 70 | 5.6 | 70 | 5.1 | 75 | 5.6 | 77 | 6.0 |
|  | Enrolled in STEM Program | 9 | 2.7 | 19 | 4.5 | 12 | 3.0 | 18 | 4.6 |
|  | Completed STEM Program | 1 | 1.5 | 2 | 3.2 | 0 | 0.0 | -- | -- |
| Black/African American Male | Enrolled at NOVA | 62 | 4.9 | 73 | 5.3 | 91 | 6.8 | 92 | 7.2 |
|  | Enrolled in STEM Program | 15 | 4.4 | 26 | 6.1 | 33 | 8.3 | 36 | 9.2 |
|  | Completed STEM Program | 2 | 3.0 | 2 | 3.2 | 2 | 3.8 | -- | -- |
| Hispanic/Latina Female | Enrolled at NOVA | 139 | 11.1 | 182 | 13.2 | 181 | 13.6 | 171 | 13.3 |
|  | Enrolled in STEM Program | 23 | 6.8 | 30 | 7.0 | 29 | 7.3 | 22 | 5.6 |
|  | Completed STEM Program | 3 | 4.5 | 3 | 4.8 | 6 | 11.3 | -- | -- |
| Hispanic/Latino Male | Enrolled at NOVA | 142 | 11.3 | 177 | 12.9 | 173 | 13.0 | 152 | 11.8 |
|  | Enrolled in STEM Program | 57 | 16.9 | 70 | 16.4 | 64 | 16.0 | 54 | 13.8 |
|  | Completed STEM Program | 5 | 7.6 | 9 | 14.3 | 8 | 15.1 | -- | -- |

Table A5. Enrollment in and Completion of Select STEM Programs by Race/Ethnicity and Gender: Fall 2013 through Fall 2016 FTIC Cohorts - Manassas Campus

| Manassas Campus |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Race/Ethnicity and Gender | Metrics | Fall 2013 |  | Fall 2014 |  | Fall 2015 |  | Fall 2016 |  |
|  |  | \# | \% | \# | \% | \# | \% | \# | \% |
| White Female | Enrolled at NOVA | 251 | 20.4 | 224 | 19.0 | 231 | 17.4 | 202 | 16.9 |
|  | Enrolled in STEM Program | 48 | 13.2 | 27 | 7.9 | 34 | 8.8 | 30 | 8.3 |
|  | Completed STEM Program | 10 | 19.2 | 3 | 6.4 | 6 | 9.5 | -- | -- |
| White Male | Enrolled at NOVA | 287 | 23.4 | 258 | 21.8 | 330 | 24.9 | 291 | 24.4 |
|  | Enrolled in STEM Program | 103 | 28.4 | 84 | 24.7 | 114 | 29.5 | 112 | 31.1 |
|  | Completed STEM Program | 13 | 25.0 | 18 | 38.3 | 18 | 28.6 | -- | -- |
| Black/African American Female | Enrolled at NOVA | 69 | 5.6 | 75 | 6.4 | 71 | 5.4 | 69 | 5.8 |
|  | Enrolled in STEM Program | 10 | 2.8 | 14 | 4.1 | 12 | 3.1 | 10 | 2.8 |
|  | Completed STEM Program | 0 | 0.0 | 3 | 6.4 | 0 | 0.0 | -- | -- |
| Black/African American Male | Enrolled at NOVA | 74 | 6.0 | 78 | 6.6 | 90 | 6.8 | 62 | 5.2 |
|  | Enrolled in STEM Program | 33 | 9.1 | 34 | 10.0 | 30 | 7.8 | 25 | 6.9 |
|  | Completed STEM Program | 1 | 1.9 | 3 | 6.4 | 6 | 9.5 | -- | -- |
| Hispanic/Latina Female | Enrolled at NOVA | 187 | 15.2 | 155 | 13.1 | 180 | 13.6 | 178 | 14.9 |
|  | Enrolled in STEM Program | 25 | 6.9 | 19 | 5.6 | 25 | 6.5 | 30 | 8.3 |

[^1]| Manassas Campus |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Race/Ethnicity and Gender | Metrics | Fall 2013 |  | Fall 2014 |  | Fall 2015 |  | Fall 2016 |  |
|  |  | \# | \% | \# | \% | \# | \% | \# | \% |
|  | Completed STEM Program | 4 | 7.7 | 2 | 4.3 | 7 | 11.1 | -- | -- |
| Hispanic/Latino Male | Enrolled at NOVA | 153 | 12.4 | 170 | 14.4 | 180 | 13.6 | 151 | 12.7 |
|  | Enrolled in STEM Program | 62 | 17.1 | 68 | 20.0 | 69 | 17.9 | 56 | 15.6 |
|  | Completed STEM Program | 10 | 19.2 | 7 | 14.9 | 7 | 11.1 | -- | -- |

Table A6. Enrollment in and Completion of Select STEM Programs by Race/Ethnicity and Gender: Fall 2013 through Fall 2016 FTIC Cohorts - Medical Education Campus

| Medical Education Campus |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Race/Ethnicity and Gender | Metrics | Fall 2013 |  | Fall 2014 |  | Fall 2015 |  | Fall 2016 |  |
|  |  | \# | \% | \# | \% | \# | \% | \# | \% |
| White Female | Enrolled at NOVA | 16 | 14.5 | 28 | 26.7 | 15 | 15.8 | 15 | 16.0 |
|  | Enrolled in STEM Program | 4 | 30.8 | 6 | 42.9 | 2 | 15.4 | 4 | 30.8 |
|  | Completed STEM Program | 4 | 57.1 | 4 | 80.0 | 3 | 75.0 | -- | -- |
| White Male | Enrolled at NOVA | 16 | 14.5 | 12 | 11.4 | 14 | 14.7 | 15 | 16.0 |
|  | Enrolled in STEM Program | 0 | 0.0 | 1 | 7.1 | 3 | 23.1 | 2 | 15.4 |
|  | Completed STEM Program | 1 | 14.3 | 0 | 0.0 | 1 | 25.0 | -- | -- |
| Black/African American Female | Enrolled at NOVA | 21 | 19.1 | 11 | 10.5 | 15 | 15.8 | 21 | 22.3 |
|  | Enrolled in STEM Program | 1 | 7.7 | 1 | 7.1 | 0 | 0.0 | 0 | 0.0 |
|  | Completed STEM Program | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | -- | -- |
| Black/African American Male | Enrolled at NOVA | 6 | 5.5 | 8 | 7.6 | 5 | 5.3 | 4 | 4.3 |
|  | Enrolled in STEM Program | 0 | 0.0 | 1 | 7.1 | 2 | 15.4 | 1 | 7.7 |
|  | Completed STEM Program | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | -- | -- |
| Hispanic/Latina Female | Enrolled at NOVA | 27 | 24.5 | 22 | 21.0 | 25 | 26.3 | 23 | 24.5 |
|  | Enrolled in STEM Program | 5 | 38.5 | 1 | 7.1 | 2 | 15.4 | 4 | 30.8 |
|  | Completed STEM Program | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | -- | -- |
| Hispanic/Latino Male | Enrolled at NOVA | 7 | 6.4 | 5 | 4.8 | 13 | 13.7 | 5 | 5.3 |
|  | Enrolled in STEM Program | 2 | 15.4 | 1 | 7.1 | 2 | 15.4 | 0 | 0.0 |
|  | Completed STEM Program | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | -- | -- |

Table A7. Enrollment in and Completion of Select STEM Programs by Race/Ethnicity and Gender: Fall 2013 through Fall 2016 FTIC Cohorts - Woodbridge Campus

| Woodbridge Campus |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Race/Ethnicity and Gender | Metrics | Fall 2013 |  | Fall 2014 |  | Fall 2015 |  | Fall 2016 |  |
|  |  | \# | \% | \# | \% | \# | \% | \# | \% |
| White Female | Enrolled at NOVA | 181 | 14.0 | 165 | 11.9 | 140 | 10.0 | 157 | 11.1 |
|  | Enrolled in STEM Program | 22 | 6.1 | 28 | 7.0 | 20 | 4.8 | 36 | 8.6 |
|  | Completed STEM Program | 5 | 11.4 | 5 | 10.0 | 4 | 6.2 | -- | -- |
| White Male | Enrolled at NOVA | 189 | 14.6 | 179 | 12.9 | 193 | 13.7 | 200 | 14.2 |
|  | Enrolled in STEM Program | 64 | 17.7 | 63 | 15.7 | 74 | 17.9 | 74 | 17.6 |
|  | Completed STEM Program | 9 | 20.5 | 6 | 12.0 | 10 | 15.4 | -- | -- |
| Black/African American Female | Enrolled at NOVA | 174 | 13.4 | 191 | 13.7 | 162 | 11.5 | 176 | 12.5 |
|  | Enrolled in STEM Program | 31 | 8.6 | 27 | 6.7 | 12 | 2.9 | 30 | 7.1 |
|  | Completed STEM Program | 2 | 4.5 | 4 | 8.0 | 2 | 3.1 | -- | -- |
| Black/African American Male | Enrolled at NOVA | 179 | 13.8 | 180 | 12.9 | 198 | 14.1 | 152 | 10.8 |
|  | Enrolled in STEM Program | 68 | 18.8 | 73 | 18.2 | 75 | 18.1 | 56 | 13.3 |
|  | Completed STEM Program | 5 | 11.4 | 3 | 6.0 | 4 | 6.2 | -- | -- |
| Hispanic/Latina Female | Enrolled at NOVA | 186 | 14.4 | 214 | 15.4 | 224 | 15.9 | 257 | 18.2 |
|  | Enrolled in STEM Program | 41 | 11.3 | 33 | 8.2 | 31 | 7.5 | 42 | 10.0 |
|  | Completed STEM Program | 3 | 6.8 | 6 | 12.0 | 6 | 9.2 | -- | -- |
| Hispanic/Latino Male | Enrolled at NOVA | 153 | 11.8 | 203 | 14.6 | 216 | 15.4 | 213 | 15.1 |
|  | Enrolled in STEM Program | 55 | 15.2 | 76 | 19.0 | 94 | 22.7 | 90 | 21.4 |
|  | Completed STEM Program | 3 | 6.8 | 4 | 8.0 | 10 | 15.4 | -- | -- |

Note: Students enrolled in a STEM program in their first semester and graduated with a STEM degree within three years. The initial program may not be the same as the degree program.


[^0]:    ${ }^{1}$ Vilorio, Dennis. (2014). STEM 101: Intro to tomorrow's jobs. Bureau of Labor Statistics. https://www.bls.gov/careeroutlook/2014/spring/art01.pdf
    ${ }^{2}$ Arnim, Erin. (2019). A third of minority students leave STEM majors. Here's why. EAB.

[^1]:    Note: Students enrolled in a STEM program in their first semester and graduated with a STEM degree within three years. The initial program may not be the same as the degree program.

