

IIR Corner

September 2016

In this issue of IIR Corner, the percent of graduates who earned a STEM degree is investigated.

Noteworthy observations:

- 1) Of the 2011FL and 2012FL degree-seeking first time in college (FTIC) students who graduated within four years, about 8% graduated with a STEM degree.
- 2) Of the 2011FL and 2012FL degree-seeking FTIC who graduated in four years, the percentage of White graduates and Hispanic graduates who earned a STEM degree was higher than the percentage of Black/African American graduates who earned a STEM degree.

Team IIR

Note: STEM majors were identified using the Department of Homeland Security's definition. In addition, students with a program of associate of science (ASCI.XXXX.UG) were also considered STEM majors. <http://www.ice.gov/doclib/sevis/pdf/stem-list.pdf>



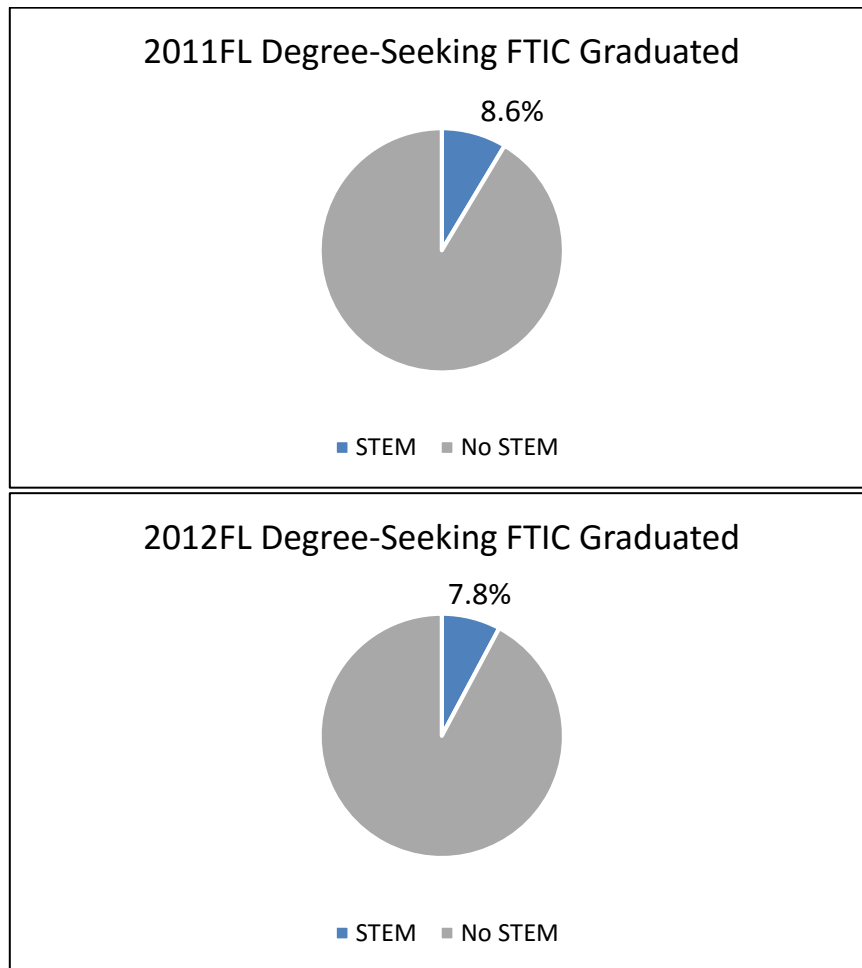
Percent of Graduates Who Earned a STEM Degree

In this section, the number of students who graduated with at least one degree in four years is considered for the 2011FL and 2012FL degree-seeking FTIC cohort. In 2011FL, there were 6,384 degree-seeking FTIC students. Of these students, 794 (12.4%) graduated in four years. Out of these 794 students, 8.6% earned a STEM degree or certificate during the four-year period. In 2012FL, there were 5,168 degree-seeking FTIC students. Of these students, 642 (12.4%) graduated in four years. Out of these 642 students, 7.8% earned a STEM degree or certificate during the four-year period.

Four Year Graduate Count and Four Year STEM Count

| Cohort | Total Cohort | Total Graduates in 4 Years | STEM | % of Grad STEM |
|-----------------------------------|--------------|----------------------------|------|----------------|
| 2011FL Degree-Seeking FTIC Cohort | 6,384 | 794 | 68 | 8.6% |
| 2012FL Degree-Seeking FTIC Cohort | 5,168 | 642 | 50 | 7.8% |

Source IR Cohort ODR, DA Degree, ICE Stem List 2012



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Graduates by Ethnicity

In this section, graduate counts are examined by ethnicity. For the 2011FL degree-seeking FTIC cohort, the percent of graduates with a STEM degree or certificate was greater for students categorized as Other Ethnicities with 10.2%, followed by White with 9.4%. The Black/African American and Hispanic Latino students tied at 7.5% receiving a STEM degree.

For the 2012FL degree-seeking FTIC cohort, the percent of graduates with a STEM degree or certificate was greater for students categorized as Black / African American (13.6%), followed by Other Ethnicities (11.0%), and then White (7.9%).

Four Year Graduate Count by Ethnicity

| 2011FL Graduate Cohort (n = 6,384) | | | | |
|---|---------------------|-----------------------------------|-------------|-----------------------|
| Ethnicity | Total Cohort | Total Graduates in 4 Years | STEM | % of Grad STEM |
| White | 2,435 | 330 | 31 | 9.4% |
| Black / African American | 1,438 | 93 | 7 | 7.5% |
| Hispanic Latino | 1,993 | 293 | 22 | 7.5% |
| Other Ethnicities | 518 | 78 | 8 | 10.2% |
| Total Cohort | 6,384 | 794 | 68 | 8.6% |

| 2012FL Graduate Cohort (n = 5,168) | | | | |
|---|---------------------|-----------------------------------|-------------|-----------------------|
| Ethnicity | Total Cohort | Total Graduates in 4 Years | STEM | % of Grad STEM |
| White | 1,831 | 254 | 20 | 7.9% |
| Black / African American | 1,143 | 66 | 9 | 13.6% |
| Hispanic Latino | 1,729 | 231 | 11 | 4.8% |
| Other Ethnicities | 465 | 91 | 10 | 11.0% |
| Total Cohort | 5,168 | 642 | 50 | 7.8% |

Source: ODR, DA Degrees, and ICE STEM List 2012.

Percent of Graduates Who Earned a STEM Degree in Four Years

