Math Course Completion Equity Analysis (Fall 2015 and Fall 2016)



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Overall Math Completion by Course Number (From Fall 2015 to Fall 2016)

| Course Number | | Fal | 2015 | | | Fall 201 | 16 | | Fall 2015 to |
|---------------|-------------|-------------|---------------|-------|-------------|-------------|---------------|-------|---------------------------|
| Course Number | Incomplete* | Successful* | Unsuccessful* | Total | Incomplete* | Successful* | Unsuccessful* | Total | Fall 2016 (Successful) |
| N06 | 11 | 116 | 53 | 180 | 39 | 130 | 55 | 224 | 14 |
| N48 | 97 | 299 | 126 | 522 | 119 | 313 | 131 | 563 | 14 |
| 070 | 8 | 18 | 4 | 30 | 15 | 15 | 4 | 34 | -3 |
| 080 | 91 | 228 | 111 | 430 | 0 | 0 | 0 | 0 | -228 |
| 083 | 135 | 559 | 212 | 906 | 173 | 486 | 168 | 827 | -73 |
| 084 | 110 | 245 | 127 | 482 | 127 | 163 | 127 | 417 | -82 |
| 105 | 36 | 139 | 46 | 221 | 42 | 178 | 52 | 272 | 39 |
| 140 | 98 | 160 | 91 | 349 | 91 | 170 | 70 | 331 | 10 |
| 150 | 73 | 88 | 27 | 188 | 71 | 83 | 48 | 202 | -5 |
| 160 | 100 | 134 | 47 | 281 | 104 | 147 | 86 | 337 | 13 |
| 170 | 31 | 105 | 34 | 170 | 30 | 119 | 54 | 203 | 14 |
| 180 | 111 | 83 | 33 | 227 | 85 | 93 | 54 | 232 | 10 |
| 180H | 2 | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 1 |
| 185 | 35 | 55 | 13 | 103 | 44 | 51 | 19 | 114 | -4 |
| 204 | 0 | 46 | 0 | 46 | 32 | 67 | 14 | 113 | 21 |
| 219 | 184 | 305 | 85 | 574 | 280 | 362 | 181 | 823 | 57 |
| 219H | 9 | 13 | 1 | 23 | 3 | 16 | 3 | 22 | 3 |
| 280 | 24 | 37 | 17 | 78 | 15 | 41 | 15 | 71 | 4 |
| 287 | 1 | 19 | 3 | 23 | 5 | 41 | 8 | 54 | 22 |
| Total | 1156 | 2649 | 1030 | 4835 | 1276 | 2476 | 1089 | 4841 | -173 |

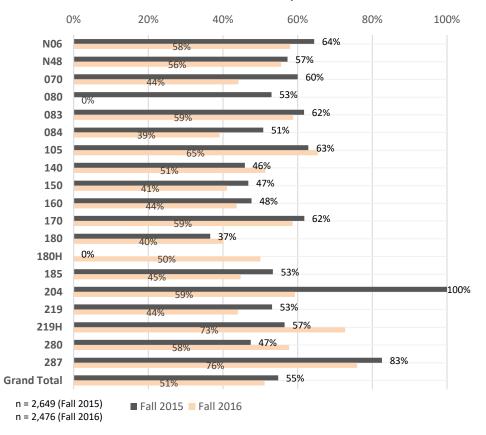
Overall Math Completion by Course Number

* Successful (Grade of A, B, C, P), Non-Successful (D, F, NP) and Incomplete (I, W).

Math Successful Completion Rates by Course Number (From Fall 2015 to Fall 2016)

Student completion rates for Math courses during the fall 2015 and 2016 sessions reveal:

- The overall successful completion rate decreased -4% from 2015 for all Math courses.
- Math course 204 had the highest successful completion rate in fall 2015 at **100%**.
- Math course 287 had the highest successful completion rate in Fall 2016 and the second highest in fall 2015, 76% and 83% respectively.
- Math course 084 saw a drop in the successful completion rate from **51%** to **39%**.
- Math course 180 had the lowest completion rate.



Math Course Successful Completion Rates*

Math Successful Completion by Course Number (From Fall 2015 to Fall 2016)

- **185** more students in fall 2016 successfully completed college level math courses compared to fall 2015 results.
- Math courses 083 and 084 experienced a decrease in the number of students achieving successful completion in fall 2016.
- While the number of enrolled students remained relatively flat from fall 2015 to fall 2016, **173** fewer students overall successfully completed math courses during the fall 2016 session. The decrease is likely attributed to the drop in students enrolled in math course 080 for fall 2016.

| Total Successful Completion of Math Courses | | | | | | | | | |
|---|----------|-----------------------|---------|------------|--|--|--|--|--|
| Course | Fall | Fall | ll 2016 | | | | | | |
| Course | Enrolled | olled Successful Enro | | Successful | | | | | |
| Basic without 083 & 084 | 1162 | 661 | 821 | 458 | | | | | |
| Basic 083 & 084 | 1388 | 804 | 1244 | 649 | | | | | |
| College | 2285 | 1184 | 2776 | 1369 | | | | | |
| Total | 4835 | 2649 | 4841 | 2476 | | | | | |

| | Course | Fal | l 2015 | Fall | 2016 |
|----------------------------|--------|----------|------------|----------|------------|
| | Number | Enrolled | Successful | Enrolled | Successful |
| Basic without 083 & 084 | N06 | 180 | 116 | 224 | 130 |
| without & 084 | N48 | 522 | 299 | 563 | 313 |
| c wit & 0 | 070 | 30 | 18 | 34 | 15 |
| Basi | 080 | 430 | 228 | 0 | 0 |
| Basic | 083 | 906 | 559 | 827 | 486 |
| Ba | 084 | 482 | 245 | 417 | 163 |
| | 105 | 221 | 139 | 272 | 178 |
| | 140 | 349 | 160 | 331 | 170 |
| | 150 | 188 | 88 | 202 | 83 |
| | 160 | 281 | 134 | 337 | 147 |
| | 170 | 170 | 105 | 203 | 119 |
| e B | 180 | 227 | 83 | 232 | 93 |
| College | 180H | 2 | 0 | 2 | 1 |
| Ŭ | 185 | 103 | 55 | 114 | 51 |
| | 204 | 46 | 46 | 113 | 67 |
| | 219 | 574 | 305 | 823 | 362 |
| | 219H | 23 | 13 | 22 | 16 |
| | 280 | 78 | 37 | 71 | 41 |
| | 287 | 23 | 19 | 54 | 41 |
| | All | 4835 | 2649 | 4841 | 2476 |

Math Course Successful Completion Basic Math Excluding 083 and 084 (From Fall 2015 to Fall 2016)

- **203** fewer students in fall 2016 successfully completed basic math courses, excluding 083 and 084.
- Decreases were experienced within the following groups: female and male, all racial groups except Other, foster youth and non-foster youth, reservists, veterans and non-veterans, and all age groups.
- The heaviest concentration of students completing basic math, excluding courses 083 and 084, are under 26 years of age.

| Total Successful Completion of Math Courses | | | | | | | | | |
|---|----------|-------------------------|------|------------|--|--|--|--|--|
| Course | Fall | 2015 | 2016 | | | | | | |
| Course | Enrolled | led Successful Enrolled | | Successful | | | | | |
| Basic without 083 & 084 | 1162 | 661 | 821 | 458 | | | | | |
| Basic 083 & 084 | 1388 | 804 | 1244 | 649 | | | | | |
| College | 2285 | 1184 | 2776 | 1369 | | | | | |
| Total | 4835 | 2649 | 4841 | 2476 | | | | | |

| Successful Co | ompletion | of Basic Mat | h Without | : 083 and 084 | 1 |
|-------------------------|-----------|--------------|-----------|---------------|---------------------------|
| Characteristic | Fall | 2015 | Fall | 2016 | Fall 2015 to |
| Characteristic | Enrolled | Successful | Enrolled | Successful | Fall 2016 (Successful) |
| Female | 673 | 393 | 482 | 301 | -92 |
| Male | 486 | 267 | 336 | 156 | -111 |
| Other/Unknown | 3 | 1 | 3 | 1 | 0 |
| American Indian, Native | 4 | 4 | 3 | 2 | -2 |
| Asian | 57 | 44 | 26 | 23 | -21 |
| Black/African-American | 18 | 12 | 11 | 4 | -8 |
| Filipino | 11 | 6 | 5 | 3 | -3 |
| Hispanic/Latino | 937 | 514 | 687 | 377 | -137 |
| Decline to State | 34 | 26 | 16 | 7 | -19 |
| Other | 19 | 10 | 36 | 20 | 10 |
| Pacific Islander | 3 | 2 | 0 | 0 | -2 |
| White/Caucasian | 79 | 43 | 37 | 22 | -21 |
| Foster Youth | 23 | 10 | 10 | 8 | -2 |
| Non-Foster Youth | 1139 | 651 | 811 | 450 | -201 |
| Dependent of Veteran | 0 | 0 | 2 | 1 | 1 |
| Reservist | 1 | 1 | 0 | 0 | -1 |
| Veteran | 22 | 10 | 10 | 6 | -4 |
| Non-Veteran | 1139 | 650 | 809 | 451 | -199 |
| 19 and under | 377 | 174 | 376 | 171 | -3 |
| 20 - 25 | 491 | 278 | 259 | 154 | -124 |
| 26 - 29 | 112 | 82 | 63 | 49 | -33 |
| 30 - 39 | 111 | 75 | 72 | 50 | -25 |
| 40 - 49 | 42 | 30 | 31 | 21 | -9 |
| 50 and older | 29 | 22 | 20 | 13 | -9 |

Math Course Successful Completion Basic Math 083 and 084 (From Fall 2015 to Fall 2016)

- **155** fewer students successfully completed basic math courses 083 and 084 in fall 2016.
- Decreases were experienced within the following groups: female and male, all racial groups except Other, non-foster youth, reservists, veterans and non-veterans, and age groups 19 and under, 20-25, and 26-29.
- The heaviest concentrations of students successfully completing basic math courses 083 and 084 are younger than 26 years of age.

| Total Successful Completion of Math Courses | | | | | | | | | |
|---|----------|---------------------|----------|------------|--|--|--|--|--|
| Course | Fall | Fall 2015 Fall 2016 | | | | | | | |
| Course | Enrolled | Successful | Enrolled | Successful | | | | | |
| Basic without 083 & 084 | 1162 | 661 | 821 | 458 | | | | | |
| Basic 083 & 084 | 1388 | 804 | 1244 | 649 | | | | | |
| College | 2285 | 1184 | 2776 | 1369 | | | | | |
| Total | 4835 | 2649 | 4841 | 2476 | | | | | |

| Success | ul Comple | tion of Basic | Math 083 | and 084 | |
|-------------------------|-----------|---------------|----------|------------|---------------------------|
| | Fall | 2015 | Fall | 2016 | Fall 2015 to |
| Characteristic | Enrolled | Successful | Enrolled | Successful | Fall 2016 (Successful) |
| Female | 744 | 439 | 688 | 379 | -60 |
| Male | 643 | 364 | 547 | 265 | -99 |
| Other/Unknown | 1 | 1 | 9 | 5 | 4 |
| American Indian, Native | 6 | 1 | 1 | 0 | -1 |
| Asian | 68 | 52 | 48 | 35 | -17 |
| Black/African-American | 24 | 17 | 13 | 6 | -11 |
| Filipino | 19 | 13 | 13 | 9 | -4 |
| Hispanic/Latino | 1132 | 625 | 1034 | 519 | -106 |
| Decline to State | 30 | 17 | 17 | 9 | -8 |
| Other | 15 | 9 | 31 | 19 | 10 |
| Pacific Islander | 5 | 4 | 2 | 2 | -2 |
| White/Caucasian | 89 | 66 | 85 | 50 | -16 |
| Foster Youth | 13 | 7 | 26 | 14 | 7 |
| Non-Foster Youth | 1375 | 797 | 1218 | 635 | -162 |
| Dependent of Veteran | 1 | 0 | 2 | 2 | 2 |
| Reservist | 2 | 2 | 1 | 0 | -2 |
| Veteran | 23 | 16 | 13 | 8 | -8 |
| Non-Veteran | 1362 | 786 | 1228 | 639 | -147 |
| 19 and under | 710 | 371 | 689 | 321 | -50 |
| 20 - 25 | 455 | 284 | 324 | 184 | -100 |
| 26 - 29 | 96 | 70 | 102 | 56 | -14 |
| 30 - 39 | 88 | 54 | 87 | 58 | 4 |
| 40 - 49 | 19 | 16 | 29 | 21 | 5 |
| 50 and older | 20 | 9 | 13 | 9 | 0 |

Math Course Successful Completion College Math (From Fall 2015 to Fall 2016)

- **185** more students successfully completed college math courses in fall 2016 than fall 2015.
- Increases in successful completion of college math were experienced by both female and male students, all racial groups except Asian, Decline to State and White/Caucasian, both foster youth and non-foster youth, veterans and non-veterans, and all age groups.
- All age groups saw increases in successful completion of college math, while students ages 40 49 were equally successful in both fall 2015 and fall 2016.
- The heaviest concentrations of students successfully completing college math under the age of 40.

| Total Successful Completion of Math Courses | | | | | | | | | |
|---|---------------------|------------|----------|------------|--|--|--|--|--|
| Course | Fall 2015 Fall 2016 | | | | | | | | |
| Course | Enrolled | Successful | Enrolled | Successful | | | | | |
| Basic without 083 & 084 | 1162 | 661 | 821 | 458 | | | | | |
| Basic 083 & 084 | 1388 | 804 | 1244 | 649 | | | | | |
| College | 2285 | 1184 | 2776 | 1369 | | | | | |
| Total | 4835 | 2649 | 4841 | 2476 | | | | | |

| Successful Completion of College Math | | | | | | | | | |
|---------------------------------------|----------|------------|----------|------------|---------------------------|--|--|--|--|
| Characteristic | Fal | 2015 | Fall | 2016 | Fall 2015 to | | | | |
| Characteristic | Enrolled | Successful | Enrolled | Successful | Fall 2016 (Successful) | | | | |
| Female | 1105 | 620 | 1445 | 709 | 89 | | | | |
| Male | 1175 | 560 | 1326 | 658 | 98 | | | | |
| Other/Unknown | 5 | 4 | 5 | 2 | -2 | | | | |
| American Indian, Native | 6 | 3 | 6 | 5 | 2 | | | | |
| Asian | 352 | 249 | 351 | 241 | -8 | | | | |
| Black/African-American | 19 | 9 | 33 | 16 | 7 | | | | |
| Filipino | 34 | 11 | 29 | 16 | 5 | | | | |
| Hispanic/Latino | 1584 | 730 | 2011 | 895 | 165 | | | | |
| Decline to State | 76 | 45 | 62 | 31 | -14 | | | | |
| Other | 43 | 28 | 92 | 54 | 26 | | | | |
| Pacific Islander | 3 | 1 | 12 | 4 | 3 | | | | |
| White/Caucasian | 168 | 108 | 180 | 107 | -1 | | | | |
| Foster Youth | 15 | 7 | 17 | 9 | 2 | | | | |
| Non-Foster Youth | 2270 | 1177 | 2759 | 1360 | 183 | | | | |
| Dependent of Veteran | 2 | 0 | 1 | 0 | 0 | | | | |
| Reservist | 3 | 1 | 2 | 1 | 0 | | | | |
| Veteran | 38 | 17 | 37 | 19 | 2 | | | | |
| Non-Veteran | 2242 | 1166 | 2736 | 1349 | 183 | | | | |
| 19 and under | 744 | 371 | 923 | 407 | 36 | | | | |
| 20 - 25 | 1127 | 574 | 1342 | 685 | 111 | | | | |
| 26 - 29 | 199 | 104 | 248 | 124 | 20 | | | | |
| 30 - 39 | 149 | 92 | 192 | 109 | 17 | | | | |
| 40 - 49 | 45 | 29 | 51 | 29 | 0 | | | | |
| 50 and older | 21 | 14 | 20 | 15 | 1 | | | | |

Math Course Successful Completion Rates by Gender (From Fall 2015 to Fall 2016)

- Female students outperformed their male counterparts 58% vs 52% in fall 2015 and 53% vs 49% in fall 2016
- Fall 2016 success rates are down -4% over fall 2015 results, which may be attributed to a 10% increase in the number of students receiving a grade of incomplete.
- Disproportionately Impacted Population*: none

| All | | | | - | 55% 51% | , | | | | |
|--------|------|-------|-------|-------------------|----------------|-----------------------|-------|-------|-----------|------|
| Male | | | | - | 52% 49% | | | | | |
| Female | | | | - | 53% | 58% | | | | |
| 0' | % 10 | 0% 20 | 0% 30 | % 40 ■ Fall 20 | % 60 Fall 2 | 0% 70 2 016 | 1% 80 | 1% 91 |) 0% 1 | 100% |

| | Successful Completion Rates by Gender | | | | | | | | | |
|---------|---------------------------------------|------------|--------------|----------|------------|--------------|----------------------|----------------------------|--|--|
| | | Fall 2015 | | | Fall 2016 | | Change in Successful | Fall 2016 | | |
| Gender | Enrolled | Successful | Success Rate | Enrolled | Successful | Success Rate | Completion Rate | Disproportionate Impact | | |
| Female | 2,522 | 1,452 | 58% | 2,615 | 1,389 | 53% | -4% | 100% | | |
| Male | 2,304 | 1,191 | 52% | 2,209 | 1,079 | 49% | -3% | 92% | | |
| Unknown | 9 6 67% 17 8 47% | | | | | | -20% | 89% | | |
| Total | 4,835 | 2,649 | 55% | 4,841 | 2,476 | 51% | -4% | | | |

Successful Completion Rates by Gender

* Disproportionately Impacted Population: the disaggregated subgroup whose percentage of successful completion rate is lower than 80% compared to the percentage of a reference subgroup with the highest rate.

Math Course Successful Completion Rates by Age (From Fall 2015 to Fall 2016)

0% 20% 30% 50% 70% 80% 90% 100% 10% 40% 60% 50% 19 and under 45% 55% 20 - 25 63% 26 - 29 55% l 64% 62% 30 - 39 71% 40 - 49 64% 64% 50 and older 70% 51%^{55%} All

Successful Completion Rates by Age Group

- The fall 2016 successful completion rates for all age groups decreased from fall 2015, down -4%.
- The successful completion rate for age range 40 – 49 was the highest in fall 2015, while the highest rate in fall 2016 was within the age range 50 and older, increasing 6% over fall 2015.
- Age range 19 and under achieved the lowest successful completion rates in both fall 2015 and fall 2016.
- Disproportionately Impacted Population*: under 30 years of age

| | Successful Completion Rates by Age Group | | | | | | | | | | |
|--------------|--|------------|--------------|----------|------------|--------------|---------------------------------------|---|--|--|--|
| Age Group | | Fall 201 | 5 | | Fall 201 | 6 | Change in Successful Completion | Fall 2016 Disproportionate Impact | | | |
| | Enrolled | Successful | Success Rate | Enrolled | Successful | Success Rate | | | | | |
| 19 and under | 1,831 | 916 | 50% | 1,988 | 899 | 45% | -5% | 65% | | | |
| 20 - 25 | 2,073 | 1,136 | 55% | 1,925 | 1,023 | 53% | - 2 % | 76% | | | |
| 26 - 29 | 407 | 256 | 63% | 413 | 229 | 55% | -7% | 79% | | | |
| 30 - 39 | 348 | 221 | 64% | 351 | 217 | 62% | - 2 % | 89% | | | |
| 40 - 49 | 106 | 75 | 71% | 111 | 71 | 64% | -7% | 92% | | | |
| 50 and older | 70 45 64% 53 37 70% | | | | | 6% | 100% | | | | |
| Total | 4,835 | 2,649 | 55% | 4,841 | 2,476 | 51% | -4% | | | | |

Fall 2016

* Disproportionately Impacted Population: the disaggregated subgroup whose percentage of successful completion rate is lower than 80% compared to the percentage of a reference subgroup with the highest rate.

Fall 2015

Math Course Successful Completion Rates by Racial Group (From Fall 2015 to Fall 2016)

Asian students outperformed all • 80% 90% 100% 0% 10% 20% 30% 40% 50% 60% 70% racial groups in both fall semesters 50% American Indian, Native (72% and 70% respectively), followed 70% 72% Asian 70% by White/Caucasian (65% and 59%), Black/African-American 62% 46% and Other (61% and 58%). Filipino 47% 60% 51% Hispanic/Latino 48% 63% **Decline to State Disproportionately Impacted** 49% • Other 61% 58% Population*: Black/African-**Pacific Islander** 64% 43% American, Hispanic/Latino, Decline White/Caucasian 65%

All

to State, and Pacific Islander.

Successful Completion Rates by Racial Group

Fall 2015

59%

51%

Fall 2016

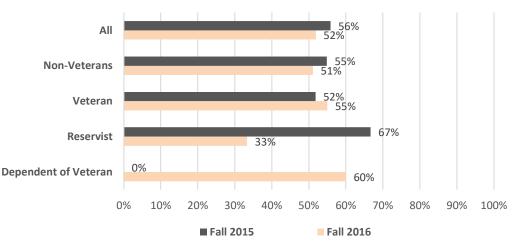
| | | Succe | essful Completio | on Rates by | Racial Group |) | | |
|-------------------------|----------|------------|------------------|-------------|--------------|--------------|----------------------|-------------------------------|
| Racial Group | | Fall 2015 | | | Fall 2016 | ; | Change in Successful | Fall 2016 Disproportionate |
| Racial Group | Enrolled | Successful | Success Rate | Enrolled | Successful | Success Rate | Completion Rate | Impact |
| American Indian, Native | 16 | 8 | 50% | 10 | 7 | 70% | 20% | 99% |
| Asian | 477 | 345 | 72% | 425 | 299 | 70% | -2% | 100% |
| Black/African-American | 61 | 38 | 62% | 57 | 26 | 46% | -17% | 65% |
| Filipino | 64 | 30 | 47% | 47 | 28 | 60% | 13% | 85% |
| Hispanic/Latino | 3,653 | 1,869 | 51% | 3,732 | 1,791 | 48% | -3% | 68% |
| Decline to State | 140 | 88 | 63% | 95 | 47 | 49% | -13% | 70% |
| Other | 77 | 47 | 61% | 159 | 93 | 58% | -3% | 83% |
| Pacific Islander | 11 | 7 | 64% | 14 | 6 | 43% | - 2 1% | 61% |
| White/Caucasian | 336 | 217 | 65% | 302 | 179 | 59% | -5% | 84% |
| All | 4,835 | 2,649 | 55% | 4,841 | 2,476 | 51% | -4% | |

* Disproportionately Impacted Population: the disaggregated subgroup whose percentage of successful completion rate is lower than 80% compared to the percentage of a reference subgroup with the highest rate.

Math Course Successful Completion Rates by Veteran Status (From Fall 2015 to Fall 2016)

- Veterans, Reservists and Dependents of veterans account for 1% of the student population successfully completing math courses in fall 2016, and their combined completion rate increased 3% from fall 2015.
- The successful completion rate in fall 2016 for Reservist decreased -33% from fall 2015.
- Disproportionately Impacted Population*: Reservists.



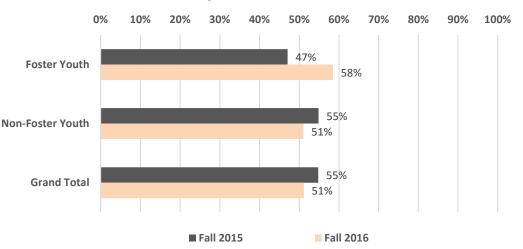


| | | Succ | essful Completion | on Rates by | Veteran Statu | IS | | |
|----------------------|----------|------------|-------------------|-------------|---------------|--------------|----------------------|-------------------------------|
| Veteran Status | | Fall 2015 | 5 | | Fall 2016 | | Change in Successful | Fall 2016 Disproportionate |
| veteran Status | Enrolled | Successful | Success Rate | Enrolled | Successful | Success Rate | Completion Rate | Impact |
| Dependent of Veteran | 3 | 0 | 0% | 5 | 3 | 60% | 60% | 100% |
| Reservist | 6 | 4 | 67% | 3 | 1 | 33% | -33% | 56% |
| Veteran | 83 | 43 | 52% | 60 | 33 | 55% | 3% | 92% |
| Total Veterans | 92 | 47 | 51% | 68 | 37 | 54% | 3% | |
| Non-Veterans | 4,743 | 2,602 | 55% | 4,773 | 2,439 | 51% | -4% | 85% |
| All | 4,835 | 2,649 | 55% | 4,841 | 2,476 | 51% | -4% | |

* Disproportionately Impacted Population: the disaggregated subgroup whose percentage of successful completion rate is lower than 80% compared to the percentage of a reference subgroup with the highest rate.

Math Course Successful Completion Rates of Foster Youth (From Fall 2015 to Fall 2016)

- Foster youth account for 1% of the student population successfully completing math courses in fall 2016.
- Their successful completion rate for fall 2016 was 58%, increasing 11% from fall 2015.
- Disproportionately Impacted Population*: none



Successful Completion Rates of Foster Youth

| | | Successful | Completion Rate | s by Foster Y | outh Status | | | |
|------------------|----------|------------|------------------------|---------------|-------------|--------------|-------------------------------|-----------------------------|
| Foster Youth | | Fall 2015 | | | Fall 2016 | | Change in | Fall 2016 |
| Foster Youth | Enrolled | Successful | Success Rate | Enrolled | Successful | Success Rate | Successful Completion Rate | Disproportionat e Impact |
| Foster Youth | 51 | 24 | 47% | 53 | 31 | 58% | 11% | 100% |
| Non-Foster Youth | 4784 | 2625 | 55% | 4788 | 2445 | 51% | -4% | 87% |
| All | 4,835 | 2,649 | 55% | 4,841 | 2,476 | 51% | -4% | |

* Disproportionately Impacted Population: the disaggregated subgroup whose percentage of successful completion rate is lower than 80% compared to the percentage of a reference subgroup with the highest rate.

Math Course Completion Equity Analysis Summary (From Fall 2015 to Fall 2016)

Summary

- The overall successful completion rate of Math courses <u>decreased</u> -4% from fall 2015.
- The total number of students successfully completing a Math course <u>decreased</u> by **173**, largely attributed to the drop in students enrolled in math course 080 for fall 2016.
- While the number of students completing college level courses <u>increased</u> by **185**, the number <u>decreased</u> by **203** for basic math excluding courses 083 and 084, and <u>decreased</u> by **155** for basic math courses 083 and 084.
- The completion of college level courses increased for the following groups: females, males, all age groups, American Indian, Black/African-American, Filipino, Hispanic/Latino, Other racial group, Pacific Islander, Foster Youth, non-Foster Youth, and both Veterans and non-Veterans.
- Increases in the overall successful completion rate were experienced within the following groups: American Indian, Native, Filipino, students age 50 and older, Dependents of Veterans, and Foster Youth.



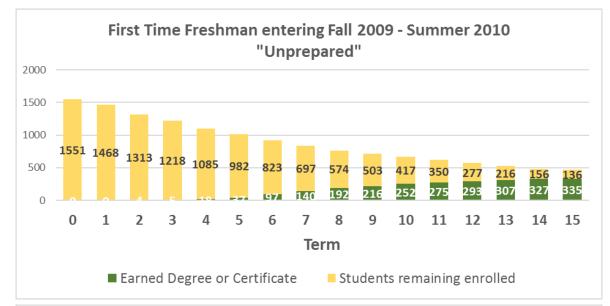
Tracking First-time Freshmen* over 15 terms*** (7.5 years)

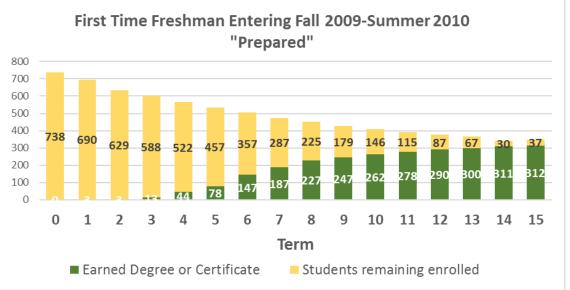
Unprepared** students:

- After the 7th term (equivalent to 3.5 years): 46% were gone without a degree or certificate and 9% had earned a degree or certificate.
- Of those persisting past the 7th term, 34% [(335-140)÷574] completed a degree or certificate by the 15th term.
- At the end of 15th term (equivalent to 7.5 years): 70% were gone without a degree or certificate and 22% had earned a degree or certificate.

Prepared** students:

- After the 7th term (equivalent to 3.5 years): 36% were gone without a degree or certificate and 25% had earned a degree or certificate.
- Of those persisting past the 7th term, 56% [(312-187)÷225] completed a degree or certificate by the 15th term.
- At the end of 15th term (equivalent to 7. 5 years): 53% were gone without a degree or certificate and 42% had earned a degree or certificate.





*First-Time Freshmen who had earned at least 3 units.

**Unprepared = lowest attempted math or English was basic skills level, Prepared = lowest attempted math or English was college level.

***Students are counted as "gone" at the end of the term in which they earned a degree or certificate for this calculation. In reality, many students continue to enroll after this milestone. Spring and intersession, summer and fall terms are grouped together for the purposes of this calculation.

A Study of Unproductive Units Business Administration AS and AST Graduates, 2015-16

Report Prepared by Santa Ana College Research



Report Prepared by: Whitney Youngren, M.A.

Methodology

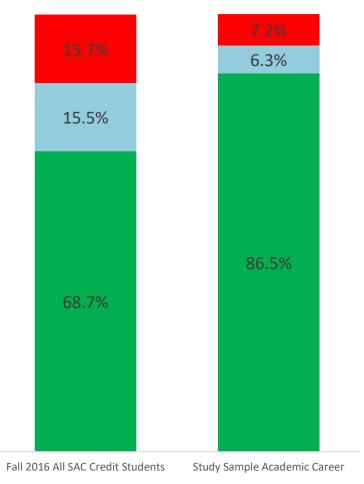
- In an effort to understand the number of "unproductive units" taken by students at Santa Ana College, the Santa Ana College Research Office has examined the course taking behavior of students who obtained an AS or AST in Business Administration in the 2015-2016 academic year.
- We have defined "unproductive units" as an coursework that does not fulfill a major or general education requirement.
- 105 Students were examined in the analysis

| Degrees Earned | # of Students |
|---|---------------|
| AST in Business Administration with CSU Cert | 62 |
| AST in Business Administration (no CSU Cert) | 33 |
| AS in Business Administration (no CSU Cert) | 6 |
| AS and AST in Business Administration with CSU Cert | 2 |
| AS in Business Administration with CSU Cert | 1 |
| AS and AST in Business Administration (no CSU Cert) | 1 |

Summary

- Higher successful completion rates for those in sample than the general SAC population exhibits in an average semester
- Average of 11.2 units attempted by these students were "unproductive"
- 32% of the successfully completed unproductive courses were EMLS course
- 21% of the successfully completed unproductive courses were in subjects related to the major
 - BUS
 - ACCT
 - SPCH
 - BANK
 - MGMT
 - MKTG
- The majority of the sample (79%) were not involved in a student services program while at SAC
- The majority of the sample (75%) received either a Pell grant or BOG waiver while at SAC

Academic Outcomes for Fall 2016 All Credit Students and for Study Sample

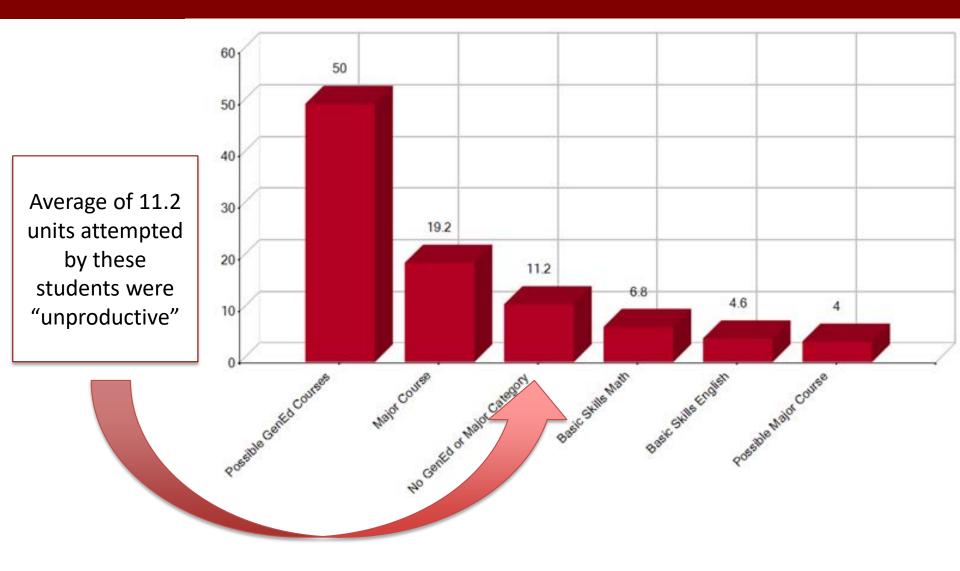


■ Successful Completion ■ Non-Successful Completion ■ Non-Complete

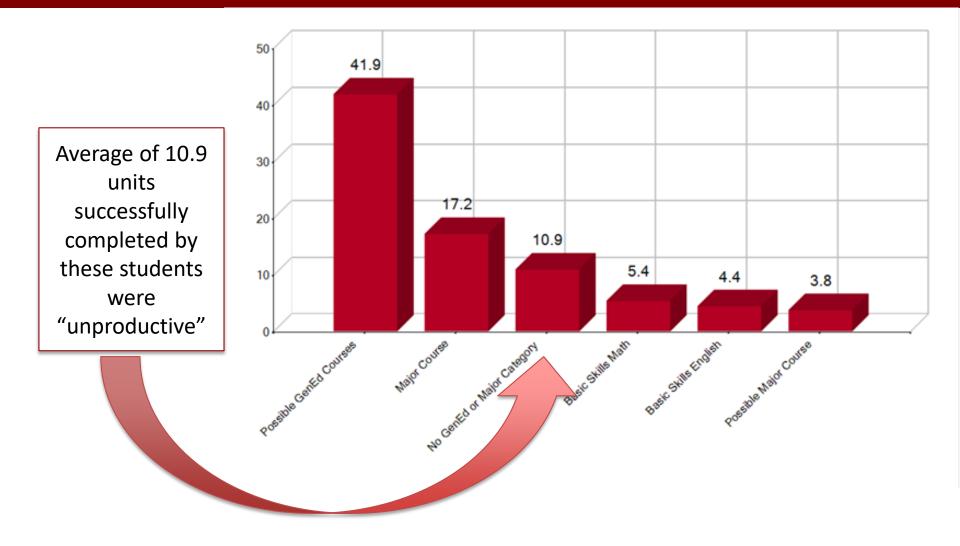
Number of Courses and Units Attempted and Academic Outcomes

| | Classes | Units | |
|--|---------|--------|--|
| All Courses | 2686 | 8430.3 | |
| # of Courses Successfully Completed (earned grade of A, B, C, or P) | 2322 | 7274.8 | 86.4% of courses wer successfull |
| # of Courses Unsuccessfully Completed (earned grade of D, F, NP) | 168 | 557.5 | completed |
| # of Courses Not Completed (earned grade of W, I, MW) | 194 | 648.0 | |

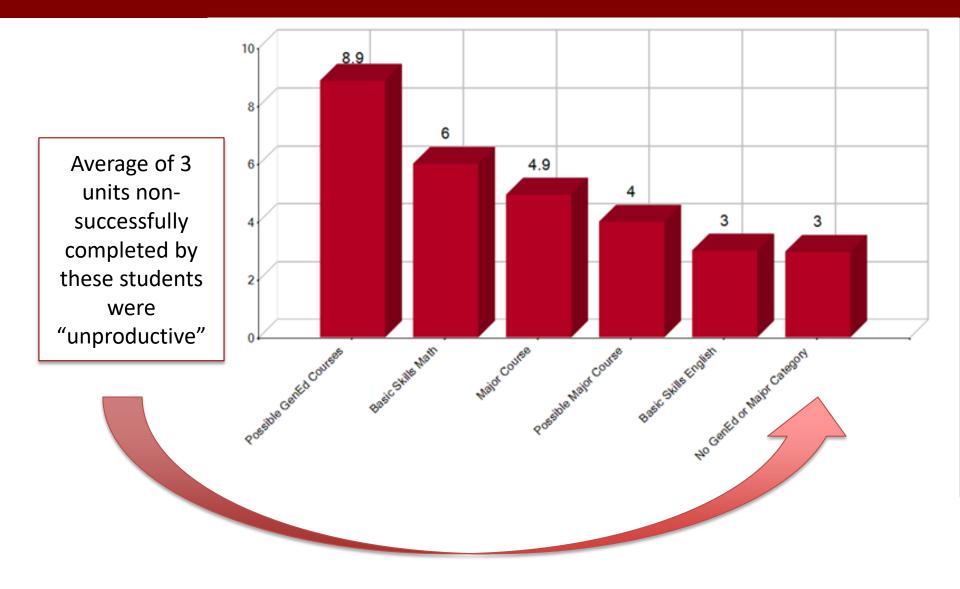
Average Number of Units Attempted by Category



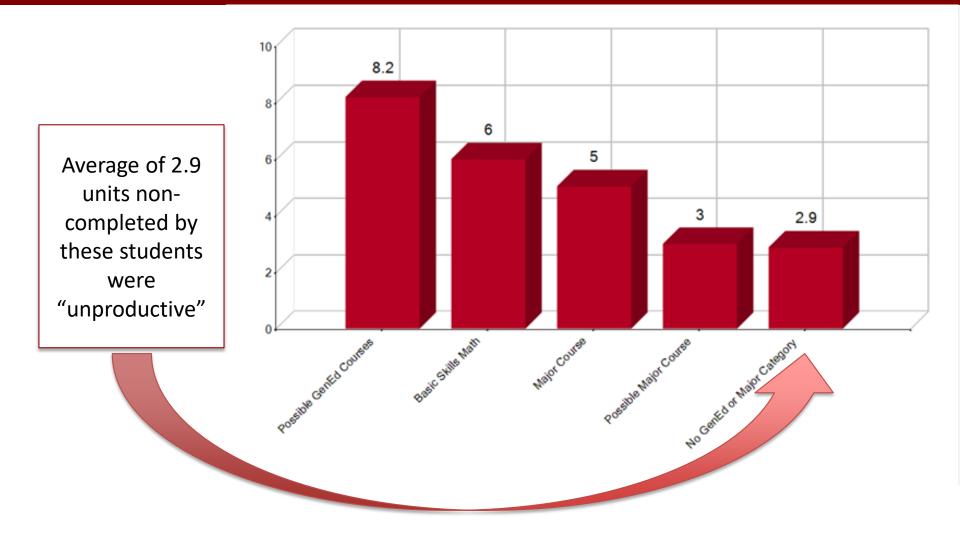
Average Number of Successfully Completed Units by Category



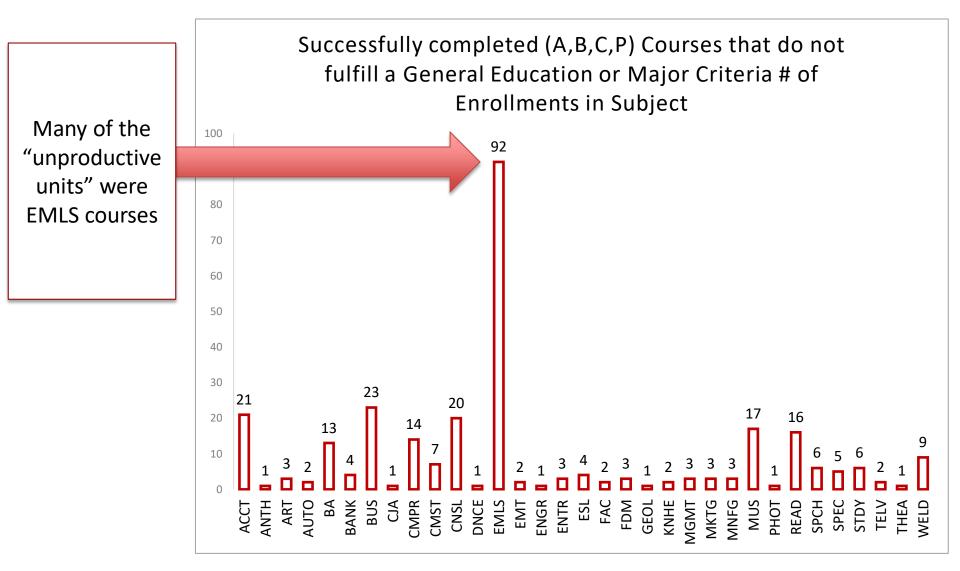
Average Number of Non-Successfully Completed Units by Category



Average Number of Non-Completed Units by Category

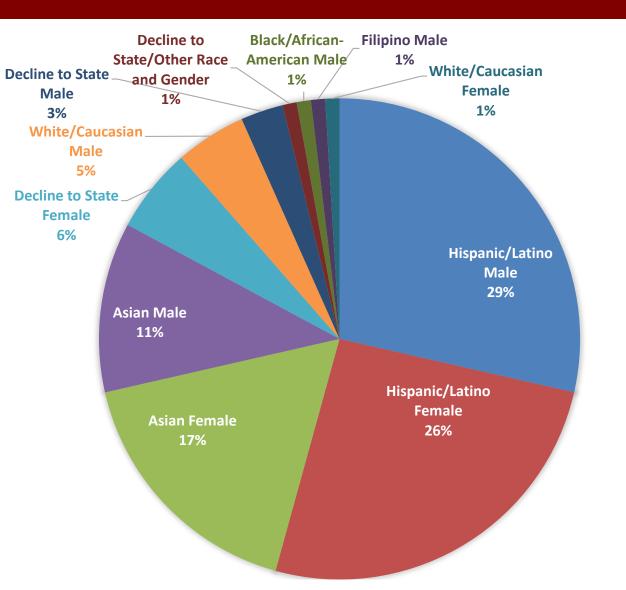


In What Subject Areas Are Business Administration Students Taking Classes That Do Not Fulfill General Education Or Major Requirements?



Demographics and Program Involvement of Study Subjects

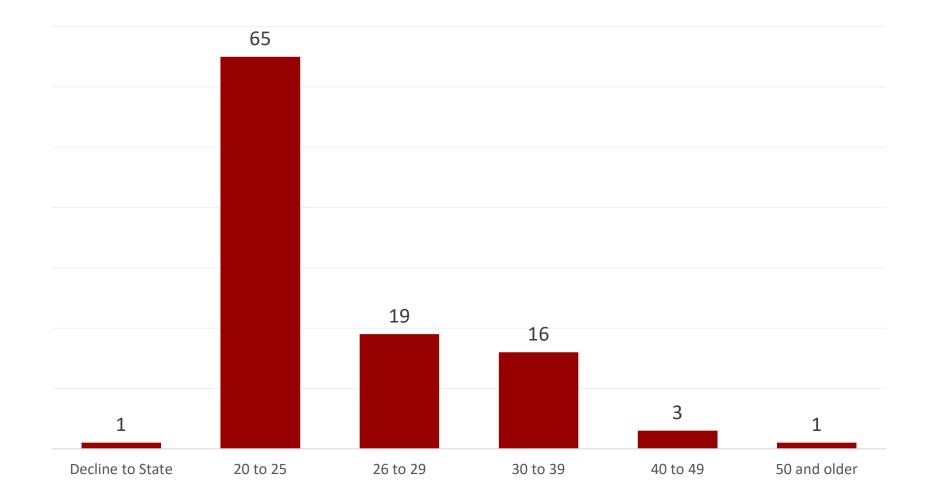
Race and Gender of Degree Recipients



| Racial Group | Number of Student | Percent of Sample |
|----------------------------|-------------------------|-------------------------|
| Hispanic/Latino | 57 | 54.3% |
| Asian | 30 | 28.6% |
| Decline to State | 10 | 9.5% |
| White/Caucasian | 6 | 5.7% |
| Black/African- American | 1 | 1.0% |
| Filipino | 1 | 1.0% |

| Gender | Number of Student | Percent of Sample |
|---------------------------|-------------------------|-------------------------|
| Male | 52 | 49.5% |
| Female | 52 | 49.5% |
| Decline to State/Other | 1 | 1.0% |

Age of Degree Recipients



Program Involvement

| Program Involvement | Number of Students | Percent of Sample |
|--|-----------------------|----------------------|
| No Programs | 83 | 79% |
| Adelante Participant | 7 | 7% |
| Freshman Experience Program Participant | 6 | 6% |
| Basic Skills Counseling Participant | 4 | 4% |
| SSTI Participant | 3 | 3% |
| Freshman Experience Program Participant; Adelante Participant; SSTI Participant | 1 | 1% |
| Adelante Participant; SSTI Participant | 1 | 1% |

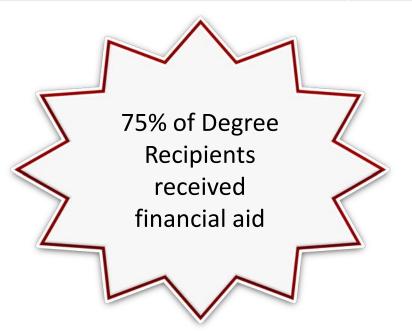
• 17% were involved in one program

• 2% were involved in two or more programs

79% were not involved in any programs

Financial Aid

| Financial Aid | Number of Students | Percent of Sample |
|------------------------------|-----------------------|----------------------|
| Dream Act (AB540 BOG Waiver) | 7 | 7% |
| BOG Waiver | 25 | 24% |
| No Financial Aid | 26 | 25% |
| Pell Grant & BOG Waiver | 47 | 44% |



Source and Department Information



Janice Love, M.A. Director of College Research

> Renee Limback Research Analyst

> Yan Ma, M.A. Research Analyst

Whitney Youngren, M.A. Research Analyst

Data Source Information

| Grade Distribution for Program Review Tool added to the Dashboard folder | ^ |
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| \star delete \leftarrow reply \leftarrow reply all \rightarrow forward \cdots | |
| Love, Janice Mark as unread | |
| Show all 144 recipients | |
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| Cc: Limback, Renee; Youngren, Whitney; 🗌 Ma, Yan; | |
| Enterprise Vault + Get more apps | |
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| You are receiving this email because Tableau Reader software has been added to your computer. This software will allow you to access and utilize dashboards that have been published to the following folder: | |

access and utilize dashboards that have been published to the following folder: <u>H:\Public\Research Department Tableau Files\Dashboards</u>.

"Grade Distribution for Program Review" is the 2nd dashboard added to the folder.

If you would like a training session regarding this tool, please contact the creator of the tool, Yan Ma, at <u>Ma_Yan@sac.edu</u>.

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