# FHDA Program Review

**Limits:**

De Anza College > Physical Sciences/Math/Engin

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### Enrollment Trends
De Anza College > Physical Sciences/Math/Engin

|  | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 5-yr %Inc |
|---|---|---|---|---|---|---|
| 📈Unduplicated Headcount | 15,502 | 14,992 | 14,583 | 13,800 | 12,791 | -17.5% |
| 📈Census Enrollment | 33,235 | 32,559 | 31,678 | 29,798 | 26,866 | -19.2% |
| 📈Sections | 913 | 902 | 922 | 885 | 794 | -13.0% |
| 📈WSCH | 60,975 | 59,932 | 58,670 | 55,555 | 50,965 | -16.4% |
| 📈FTES (end of term) | 4,039 | 3,972 | 3,899 | 3,692 | 3,387 | -16.2% |
| 📈FTEF (end of term) | 104.9 | 105.9 | 109.0 | 104.9 | 92.9 | -11.4% |
| 📈Productivity (WSCH/FTEF) | 581 | 566 | 538 | 530 | 549 | -5.6% |

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### Faculty Workload
De Anza College > Physical Sciences/Math/Engin

|  | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 5-yr %Inc |
|---|---|---|---|---|---|---|
| **Full Time Load** | 37.9 | 38.6 | 39.2 | 37.8 | 37.7 | -1% |
| **Full Time %** | 36.2% | 36.5% | 36.0% | 36.0% | 40.5% | 12% |
| **Overload** | 16.6 | 17.1 | 17.1 | 14.3 | 14.3 | -14% |
| **Overload %** | 15.8% | 16.1% | 15.7% | 13.6% | 15.4% | -3% |
| **Part Time Load** | 50.3 | 50.2 | 52.7 | 52.8 | 41.0 | -19% |
| **Part Time %** | 48.0% | 47.4% | 48.3% | 50.3% | 44.1% | -8% |
| **Total FTEF** | 104.9 | 105.9 | 109.0 | 104.9 | 92.9 | -11% |

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### Course Success
De Anza College > Physical Sciences/Math/Engin

|  | 2014-15 | | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 | |
|---|---|---|---|---|---|---|---|---|---|---|
|  | **Grades** | **Percent** | **Grades** | **Percent** | **Grades** | **Percent** | **Grades** | **Percent** | **Grades** | **Percent** |
| **Success** | 22,384 | 67% | 22,416 | 69% | 21,530 | 68% | 20,589 | 69% | 18,769 | 70% |
| **Non Success** | 6,302 | 19% | 5,884 | 18% | 5,555 | 18% | 5,008 | 17% | 4,234 | 16% |
| **Withdrew** | 4,549 | 14% | 4,259 | 13% | 4,593 | 14% | 4,201 | 14% | 3,858 | 14% |
| **Total** | 33,235 | 100% | 32,559 | 100% | 31,678 | 100% | 29,798 | 100% | 26,861 | 100% |

## Course Success for Targeted Groups

| | 2014-15 | | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| Success | 6,236 | 56% | 6,333 | 58% | 6,474 | 58% | 6,074 | 59% | 4,778 | 57% |
| Non Success | 3,009 | 27% | 2,790 | 26% | 2,668 | 24% | 2,444 | 24% | 1,893 | 23% |
| Withdrew | 1,826 | 16% | 1,776 | 16% | 1,975 | 18% | 1,809 | 18% | 1,679 | 20% |
| Total | 11,071 | 100% | 10,899 | 100% | 11,117 | 100% | 10,327 | 100% | 8,350 | 100% |

## Course Success for Non Targeted Groups

| | 2014-15 | | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| Success | 16,148 | 73% | 16,083 | 74% | 15,056 | 73% | 14,515 | 75% | 13,991 | 76% |
| Non Success | 3,293 | 15% | 3,094 | 14% | 2,887 | 14% | 2,564 | 13% | 2,341 | 13% |
| Withdrew | 2,723 | 12% | 2,483 | 11% | 2,618 | 13% | 2,392 | 12% | 2,179 | 12% |
| Total | 22,164 | 100% | 21,660 | 100% | 20,561 | 100% | 19,471 | 100% | 18,511 | 100% |

## by Gender

|  | 2014-15 | | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 | |
|---|---|---|---|---|---|---|---|---|---|---|
|  | **Enr** | **Percent** | **Enr** | **Percent** | **Enr** | **Percent** | **Enr** | **Percent** | **Enr** | **Percent** |
| **Female** | 14,050 | 42% | 13,954 | 43% | 13,630 | 43% | 12,725 | 43% | 11,492 | 43% |
| **Male** | 19,185 | 58% | 18,605 | 57% | 18,048 | 57% | 17,073 | 57% | 15,366 | 57% |
| **Non-Binary** | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 8 | 0% |
| **Total** | 33,235 | 100% | 32,559 | 100% | 31,678 | 100% | 29,798 | 100% | 26,866 | 100% |

## by Ethnicity

|  | 2014-15 | | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 | |
|---|---|---|---|---|---|---|---|---|---|---|
|  | **Enr** | **Percent** | **Enr** | **Percent** | **Enr** | **Percent** | **Enr** | **Percent** | **Enr** | **Percent** |
| **African American** | 1,193 | 4% | 1,136 | 3% | 1,184 | 4% | 1,068 | 4% | 802 | 3% |
| **Asian** | 15,827 | 48% | 15,806 | 49% | 15,119 | 48% | 14,258 | 48% | 13,824 | 51% |
| **Filipinx** | 2,282 | 7% | 2,307 | 7% | 2,248 | 7% | 1,957 | 7% | 1,647 | 6% |
| **Latinx** | 7,596 | 23% | 7,456 | 23% | 7,685 | 24% | 7,302 | 25% | 5,903 | 22% |
| **Native American** | 126 | 0% | 72 | 0% | 105 | 0% | 101 | 0% | 94 | 0% |
| **Pacific Islander** | 216 | 1% | 220 | 1% | 207 | 1% | 196 | 1% | 151 | 1% |
| **White** | 5,310 | 16% | 4,843 | 15% | 4,604 | 15% | 4,543 | 15% | 4,096 | 15% |
| **Decline to State** | 685 | 2% | 719 | 2% | 526 | 2% | 373 | 1% | 349 | 1% |
| **Total** | 33,235 | 100% | 32,559 | 100% | 31,678 | 100% | 29,798 | 100% | 26,866 | 100% |

## by Age

|  | 2014-15 | | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 | |
|---|---|---|---|---|---|---|---|---|---|---|
|  | **Enr** | **Percent** | **Enr** | **Percent** | **Enr** | **Percent** | **Enr** | **Percent** | **Enr** | **Percent** |
| **19 or less** | 10,862 | 33% | 10,194 | 31% | 9,454 | 30% | 8,443 | 28% | 8,414 | 31% |
| **20-24** | 17,291 | 52% | 17,517 | 54% | 17,470 | 55% | 16,406 | 55% | 14,095 | 52% |
| **25-39** | 4,532 | 14% | 4,373 | 13% | 4,260 | 13% | 4,504 | 15% | 3,943 | 15% |
| **40 +** | 550 | 2% | 475 | 1% | 494 | 2% | 445 | 1% | 414 | 2% |
| **Total** | 33,235 | 100% | 32,559 | 100% | 31,678 | 100% | 29,798 | 100% | 26,866 | 100% |

## by Education Level

|  | 2014-15 | | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 | |
|---|---|---|---|---|---|---|---|---|---|---|
|  | **Enr** | **Percent** | **Enr** | **Percent** | **Enr** | **Percent** | **Enr** | **Percent** | **Enr** | **Percent** |
| **Bachelor or higher** | 607 | 2% | 564 | 2% | 598 | 2% | 659 | 2% | 734 | 3% |
| **Associate** | 514 | 2% | 510 | 2% | 505 | 2% | 544 | 2% | 432 | 2% |
| **HS/Equivalent** | 29,383 | 88% | 28,889 | 89% | 28,093 | 89% | 26,185 | 88% | 23,501 | 87% |
| **All Other** | 2,731 | 8% | 2,596 | 8% | 2,482 | 8% | 2,410 | 8% | 2,199 | 8% |
| **Total** | 33,235 | 100% | 32,559 | 100% | 31,678 | 100% | 29,798 | 100% | 26,866 | 100% |

Some courses may continue to be listed but no longer have data due to renumbering or because the course was not offered in the past five years.

## 2018-19

| | Success | | Non Success | | Withdrew | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| Female | 8,233 | 72% | 1,632 | 14% | 1,624 | 14% | 11,489 | 100% |
| Male | 10,531 | 69% | 2,599 | 17% | 2,234 | 15% | 15,364 | 100% |
| Non-Binary | 5 | 63% | 3 | 38% | 0 | 0% | 8 | 100% |
| All | 18,769 | 70% | 4,234 | 16% | 3,858 | 14% | 26,861 | 100% |

## 2017-18

| | Success | | Non Success | | Withdrew | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| Female | 9,216 | 72% | 1,861 | 15% | 1,648 | 13% | 12,725 | 100% |
| Male | 11,373 | 67% | 3,147 | 18% | 2,553 | 15% | 17,073 | 100% |
| Non-Binary | 0 | N/A | 0 | N/A | 0 | N/A | 0 | 100% |
| All | 20,589 | 69% | 5,008 | 17% | 4,201 | 14% | 29,798 | 100% |

## 2016-17

| | Success | | Non Success | | Withdrew | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| Female | 9,608 | 70% | 2,199 | 16% | 1,823 | 13% | 13,630 | 100% |
| Male | 11,922 | 66% | 3,356 | 19% | 2,770 | 15% | 18,048 | 100% |
| Non-Binary | 0 | N/A | 0 | N/A | 0 | N/A | 0 | 100% |
| All | 21,530 | 68% | 5,555 | 18% | 4,593 | 14% | 31,678 | 100% |

## 2015-16

| | Success | | Non Success | | Withdrew | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| Female | 9,886 | 71% | 2,379 | 17% | 1,689 | 12% | 13,954 | 100% |
| Male | 12,530 | 67% | 3,505 | 19% | 2,570 | 14% | 18,605 | 100% |
| Non-Binary | 0 | N/A | 0 | N/A | 0 | N/A | 0 | 100% |
| All | 22,416 | 69% | 5,884 | 18% | 4,259 | 13% | 32,559 | 100% |

## 2014-15

| | Success | | Non Success | | Withdrew | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| Female | 9,844 | 70% | 2,417 | 17% | 1,789 | 13% | 14,050 | 100% |
| Male | 12,540 | 65% | 3,885 | 20% | 2,760 | 14% | 19,185 | 100% |
| Non-Binary | 0 | N/A | 0 | N/A | 0 | N/A | 0 | 100% |
| All | 22,384 | 67% | 6,302 | 19% | 4,549 | 14% | 33,235 | 100% |

# Success Rates by Age

De Anza College > Physical Sciences/Math/Engin

## 2018-19

| | Success | | Non Success | | Withdrew | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| **19 or less** | 6,316 | 75% | 1,150 | 14% | 947 | 11% | 8,413 | 100% |
| **20-24** | 9,536 | 68% | 2,417 | 17% | 2,139 | 15% | 14,092 | 100% |
| **25-39** | 2,636 | 67% | 619 | 16% | 687 | 17% | 3,942 | 100% |
| **40 +** | 281 | 68% | 48 | 12% | 85 | 21% | 414 | 100% |
| **All** | 18,769 | 70% | 4,234 | 16% | 3,858 | 14% | 26,861 | 100% |

## 2017-18

| | Success | | Non Success | | Withdrew | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| **19 or less** | 6,241 | 74% | 1,325 | 16% | 877 | 10% | 8,443 | 100% |
| **20-24** | 10,954 | 67% | 2,966 | 18% | 2,486 | 15% | 16,406 | 100% |
| **25-39** | 3,068 | 68% | 673 | 15% | 763 | 17% | 4,504 | 100% |
| **40 +** | 326 | 73% | 44 | 10% | 75 | 17% | 445 | 100% |
| **All** | 20,589 | 69% | 5,008 | 17% | 4,201 | 14% | 29,798 | 100% |

## 2016-17

| | Success | | Non Success | | Withdrew | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| **19 or less** | 6,789 | 72% | 1,569 | 17% | 1,096 | 12% | 9,454 | 100% |
| **20-24** | 11,513 | 66% | 3,283 | 19% | 2,674 | 15% | 17,470 | 100% |
| **25-39** | 2,875 | 67% | 639 | 15% | 746 | 18% | 4,260 | 100% |
| **40 +** | 353 | 71% | 64 | 13% | 77 | 16% | 494 | 100% |
| **All** | 21,530 | 68% | 5,555 | 18% | 4,593 | 14% | 31,678 | 100% |

## 2015-16

| | Success | | Non Success | | Withdrew | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| **19 or less** | 7,542 | 74% | 1,714 | 17% | 938 | 9% | 10,194 | 100% |
| **20-24** | 11,581 | 66% | 3,403 | 19% | 2,533 | 14% | 17,517 | 100% |
| **25-39** | 2,959 | 68% | 702 | 16% | 712 | 16% | 4,373 | 100% |
| **40 +** | 334 | 70% | 65 | 14% | 76 | 16% | 475 | 100% |
| **All** | 22,416 | 69% | 5,884 | 18% | 4,259 | 13% | 32,559 | 100% |

## 2014-15

| | Success | | Non Success | | Withdrew | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| **19 or less** | 7,712 | 71% | 1,991 | 18% | 1,159 | 11% | 10,862 | 100% |
| **20-24** | 11,268 | 65% | 3,531 | 20% | 2,492 | 14% | 17,291 | 100% |
| **25-39** | 3,044 | 67% | 696 | 15% | 792 | 17% | 4,532 | 100% |
| **40 +** | 360 | 65% | 84 | 15% | 106 | 19% | 550 | 100% |
| **All** | 22,384 | 67% | 6,302 | 19% | 4,549 | 14% | 33,235 | 100% |

# Success Rates by Ethnicity

De Anza College > Physical Sciences/Math/Engin

## 2018-19

| | Success | | Non Success | | Withdrew | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| African American | 430 | 54% | 210 | 26% | 162 | 20% | 802 | 100% |
| Asian | 10,616 | 77% | 1,676 | 12% | 1,530 | 11% | 13,822 | 100% |
| Filipinx | 1,089 | 66% | 278 | 17% | 280 | 17% | 1,647 | 100% |
| Latinx | 3,259 | 55% | 1,405 | 24% | 1,237 | 21% | 5,901 | 100% |
| Native American | 52 | 55% | 25 | 27% | 17 | 18% | 94 | 100% |
| Pacific Islander | 84 | 56% | 44 | 29% | 23 | 15% | 151 | 100% |
| White | 2,969 | 73% | 546 | 13% | 580 | 14% | 4,095 | 100% |
| Decline to State | 270 | 77% | 50 | 14% | 29 | 8% | 349 | 100% |
| All | 18,769 | 70% | 4,234 | 16% | 3,858 | 14% | 26,861 | 100% |

## 2017-18

| | Success | | Non Success | | Withdrew | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| African American | 623 | 58% | 260 | 24% | 185 | 17% | 1,068 | 100% |
| Asian | 10,763 | 75% | 1,819 | 13% | 1,676 | 12% | 14,258 | 100% |
| Filipinx | 1,284 | 66% | 356 | 18% | 317 | 16% | 1,957 | 100% |
| Latinx | 4,167 | 57% | 1,828 | 25% | 1,307 | 18% | 7,302 | 100% |
| Native American | 57 | 56% | 25 | 25% | 19 | 19% | 101 | 100% |
| Pacific Islander | 103 | 53% | 49 | 25% | 44 | 22% | 196 | 100% |
| White | 3,305 | 73% | 611 | 13% | 627 | 14% | 4,543 | 100% |
| Decline to State | 287 | 77% | 60 | 16% | 26 | 7% | 373 | 100% |
| All | 20,589 | 69% | 5,008 | 17% | 4,201 | 14% | 29,798 | 100% |

## 2016-17

| | Success | | Non Success | | Withdrew | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| African American | 682 | 58% | 280 | 24% | 222 | 19% | 1,184 | 100% |
| Asian | 11,210 | 74% | 2,081 | 14% | 1,828 | 12% | 15,119 | 100% |
| Filipinx | 1,452 | 65% | 454 | 20% | 342 | 15% | 2,248 | 100% |
| Latinx | 4,340 | 56% | 1,934 | 25% | 1,411 | 18% | 7,685 | 100% |
| Native American | 69 | 66% | 23 | 22% | 13 | 12% | 105 | 100% |
| Pacific Islander | 115 | 56% | 53 | 26% | 39 | 19% | 207 | 100% |
| White | 3,246 | 71% | 666 | 14% | 692 | 15% | 4,604 | 100% |
| Decline to State | 416 | 79% | 64 | 12% | 46 | 9% | 526 | 100% |
| All | 21,530 | 68% | 5,555 | 18% | 4,593 | 14% | 31,678 | 100% |

## 2015-16

| | Success | | Non Success | | Withdrew | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| African American | 654 | 58% | 299 | 26% | 183 | 16% | 1,136 | 100% |
| Asian | 11,922 | 75% | 2,185 | 14% | 1,699 | 11% | 15,806 | 100% |
| Filipinx | 1,476 | 64% | 466 | 20% | 365 | 16% | 2,307 | 100% |
| Latinx | 4,203 | 56% | 2,025 | 27% | 1,228 | 16% | 7,456 | 100% |
| Native American | 49 | 68% | 14 | 19% | 9 | 13% | 72 | 100% |
| Pacific Islander | 136 | 62% | 46 | 21% | 38 | 17% | 220 | 100% |
| White | 3,420 | 71% | 745 | 15% | 678 | 14% | 4,843 | 100% |
| Decline to State | 556 | 77% | 104 | 14% | 59 | 8% | 719 | 100% |
| All | 22,416 | 69% | 5,884 | 18% | 4,259 | 13% | 32,559 | 100% |

## 2014-15

| | Success | | Non Success | | Withdrew | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| African American | 633 | 53% | 348 | 29% | 212 | 18% | 1,193 | 100% |
| Asian | 11,732 | 74% | 2,257 | 14% | 1,838 | 12% | 15,827 | 100% |
| Filipinx | 1,444 | 63% | 493 | 22% | 345 | 15% | 2,282 | 100% |
| Latinx | 4,159 | 55% | 2,168 | 29% | 1,269 | 17% | 7,596 | 100% |
| Native American | 75 | 60% | 31 | 25% | 20 | 16% | 126 | 100% |
| Pacific Islander | 137 | 63% | 49 | 23% | 30 | 14% | 216 | 100% |
| White | 3,683 | 69% | 841 | 16% | 786 | 15% | 5,310 | 100% |
| Decline to State | 521 | 76% | 115 | 17% | 49 | 7% | 685 | 100% |
| All | 22,384 | 67% | 6,302 | 19% | 4,549 | 14% | 33,235 | 100% |