

# De Anza College Program Review

# Applied Technologies

| Dimension                                    | Actual  |         |         | Projections  |         |         |
|--|---------|---------|---------|--|---------|---------|
|  | 2005-06 | 2006-07 | 2007-08 | 2008-09  | 2009-10 | 2010-11 |
| Enrollment/Grades (Fiscal Year)              | 26,359  | 24,539  | 21,904  | 22,123   | 22,344  | 22,568  |
| WSCH (Fiscal Year)                           | 136,976 | 125,920 | 114,002 | 115,142  | 116,294 | 117,457 |
| Productivity (Fiscal Year)                   | 1,288   | 1,153   | 1,068   |  |         |         |
| Retention % (Fiscal Year)                    | 99%     | 96%     | 99%     | 99%  | 99%     | 99%     |
| Success % (Fiscal Year)                      | 87%     | 86%     | 85%     | 86%  | 87%     | 88%     |
| <b>Classroom Teaching FTEF (Academic Yr)</b> |         |         |         |  |         |         |
| Full-time FTEF                               | 8.43    | 9.47    | 9.29    | Projection Methodology<br>Enrollment and WSCH projections based on 1% annual increases from the last actual year. Retention and Success rate projections are one percentage point increases from the last actual year, unless the last actual year is greater than 90% in which case there is no change. |         |         |
| PT/Overload FTEF                             | 23.16   | 19.04   | 22.15   |  |         |         |
| Total FTEF                                   | 31.59   | 28.51   | 31.44   |  |         |         |
| Percent Full-time                            | 27%     | 33%     | 30%     |  |         |         |
| Reassigned FTEF                              | 0.00    | 0.00    | 0.00    |  |         |         |
| Number of Sections (Fiscal Yr)               | 370     | 377     | 369     |  |         |         |
| % Not Vocational                             | 1%      | 1%      | 1%      |  |         |         |
| % Transferable                               | 64%     | 65%     | 65%     |  |         |         |
| % Degree Applicable                          | 98%     | 98%     | 98%     |  |         |         |
| % Not Basic Skills                           | 100%    | 100%    | 100%    |  |         |         |

## Success Rates, Fiscal Year 2007-08

## Definitions

| Dimension        | Distribution  |            | Non-Success   |              |            | Percent         |             |                  |
|------------------|---------------|------------|---------------|--------------|------------|-----------------|-------------|------------------|
|                  | Count         | Col %      | Success       | success      | Withdraw   | Percent Success | Non-success | Percent Withdraw |
| <b>Ethnicity</b> |               |            |               |              |            |                 |             |                  |
| Asian            | 952           | 4          | 840           | 57           | 55         | 88              | 6           | 6                |
| Black            | 6,540         | 30         | 5,759         | 768          | 13         | 88              | 12          | 0                |
| Filipino         | 172           | 1          | 152           | 11           | 9          | 88              | 6           | 5                |
| Hispanic         | 12,037        | 55         | 9,870         | 2,088        | 79         | 82              | 17          | 1                |
| Native Am        | 111           | 1          | 92            | 19           | 0          | 83              | 17          | 0                |
| Pac Islander     | 149           | 1          | 138           | 8            | 3          | 93              | 5           | 2                |
| White            | 1,248         | 6          | 1,109         | 64           | 75         | 89              | 5           | 6                |
| Other            | 79            | 0          | 63            | 11           | 5          | 80              | 14          | 6                |
| Unrecorded       | 616           | 3          | 541           | 44           | 31         | 88              | 7           | 5                |
| <b>Total</b>     | <b>21,904</b> | <b>100</b> | <b>18,564</b> | <b>3,070</b> | <b>270</b> | <b>85</b>       | <b>14</b>   | <b>1</b>         |
| <b>Gender</b>    |               |            |               |              |            |                 |             |                  |
| Female           | 8,312         | 38         | 7,102         | 1,148        | 62         | 85              | 14          | 1                |
| Male             | 13,591        | 62         | 11,461        | 1,922        | 208        | 84              | 14          | 2                |
| Unrecorded       | 1             | 0          | 1             | 0            | 0          | 100             | 0           | 0                |
| <b>Total</b>     | <b>21,904</b> | <b>100</b> | <b>18,564</b> | <b>3,070</b> | <b>270</b> | <b>85</b>       | <b>14</b>   | <b>1</b>         |
| <b>Age</b>       |               |            |               |              |            |                 |             |                  |
| 19 or less       | 18,539        | 85         | 15,519        | 2,901        | 119        | 84              | 16          | 1                |
| 20 - 24          | 2,208         | 10         | 1,997         | 118          | 93         | 90              | 5           | 4                |
| 25 - 29          | 440           | 2          | 394           | 22           | 24         | 90              | 5           | 5                |
| 30 - 34          | 251           | 1          | 234           | 10           | 7          | 93              | 4           | 3                |
| 35 - 39          | 136           | 1          | 123           | 7            | 6          | 90              | 5           | 4                |
| 40 - 49          | 165           | 1          | 144           | 8            | 13         | 87              | 5           | 8                |
| 50 +             | 158           | 1          | 146           | 4            | 8          | 92              | 3           | 5                |
| Unrecorded       | 7             | 0          | 7             | 0            | 0          | 100             | 0           | 0                |
| <b>Total</b>     | <b>21,904</b> | <b>100</b> | <b>18,564</b> | <b>3,070</b> | <b>270</b> | <b>85</b>       | <b>14</b>   | <b>1</b>         |

**Enrollment/Grades:**  
Sum of end-of-term grade count including Ws.

**WSCH:**  
Sum of quarterly End-of-Term Weekly Student Contact Hours.

**Retention %:**  
Number of students receiving a successful or non-successful grade / total number of students receiving a grade.

**Success %:**  
Number of students receiving an A,B,C or CR grade / total number of students receiving a grade.

**FTEF:**  
Sum of teaching load factors for Fall, Winter, and Spring quarters by assignment type, excluding reassignments.

**Productivity:**  
Four-term total WSCH / four-term total FTEF, excluding reassignments.

**Reassigned FTEF:**  
Sum of load in 994, 995, 998, and 999 courses.

## Distribution and Success by Targeted Group

| Year/Demographic           | Count         | Col %      | Success       | Percent         |            |           | Percent<br>Success | Non-<br>success | Percent<br>Withdraw | Percent<br>Retained |
|----------------------------|---------------|------------|---------------|-----------------|------------|-----------|--------------------|-----------------|---------------------|---------------------|
|                            |               |            |               | Non-<br>success | Withdraw   | Success   |                    |                 |                     |                     |
| <b>Fiscal Year 2007-08</b> |               |            |               |                 |            |           |                    |                 |                     |                     |
| Targeted                   | 18,749        | 86         | 15,781        | 2,867           | 101        | 84        | 15                 | 1               | 99                  |                     |
| Not Targeted               | 3,155         | 14         | 2,783         | 203             | 169        | 88        | 6                  | 5               | 95                  |                     |
| <b>Total</b>               | <b>21,904</b> | <b>100</b> | <b>18,564</b> | <b>3,070</b>    | <b>270</b> | <b>85</b> | <b>14</b>          | <b>1</b>        | <b>99</b>           |                     |
| <b>Fiscal Year 2006-07</b> |               |            |               |                 |            |           |                    |                 |                     |                     |
| Targeted                   | 15,706        | 64         | 13,899        | 1,412           | 395        | 88        | 9                  | 3               | 97                  |                     |
| Not Targeted               | 8,833         | 36         | 7,287         | 985             | 561        | 82        | 11                 | 6               | 94                  |                     |
| <b>Total</b>               | <b>24,539</b> | <b>100</b> | <b>21,186</b> | <b>2,397</b>    | <b>956</b> | <b>86</b> | <b>10</b>          | <b>4</b>        | <b>96</b>           |                     |
| <b>Fiscal Year 2005-06</b> |               |            |               |                 |            |           |                    |                 |                     |                     |
| Targeted                   | 11,499        | 44         | 9,800         | 1,606           | 93         | 85        | 14                 | 1               | 99                  |                     |
| Not Targeted               | 14,860        | 56         | 13,217        | 1,486           | 157        | 89        | 10                 | 1               | 99                  |                     |
| <b>Total</b>               | <b>26,359</b> | <b>100</b> | <b>23,017</b> | <b>3,092</b>    | <b>250</b> | <b>87</b> | <b>12</b>          | <b>1</b>        | <b>99</b>           |                     |

Targeted groups = Hispanic, Black, Filipino

## Distribution and Success by Ethnicity

| Year/Demographic           | Count         | Col %      | Success       | Percent         |            |           | Percent<br>Success | Non-<br>success | Percent<br>Withdraw | Percent<br>Retained |
|----------------------------|---------------|------------|---------------|-----------------|------------|-----------|--------------------|-----------------|---------------------|---------------------|
|                            |               |            |               | Non-<br>success | Withdraw   | Success   |                    |                 |                     |                     |
| <b>Fiscal Year 2007-08</b> |               |            |               |                 |            |           |                    |                 |                     |                     |
| Asian                      | 952           | 4          | 840           | 57              | 55         | 88        | 6                  | 6               | 94                  |                     |
| Black                      | 6,540         | 30         | 5,759         | 768             | 13         | 88        | 12                 | 0               | 100                 |                     |
| Filipino                   | 172           | 1          | 152           | 11              | 9          | 88        | 6                  | 5               | 95                  |                     |
| Hispanic                   | 12,037        | 55         | 9,870         | 2,088           | 79         | 82        | 17                 | 1               | 99                  |                     |
| Native Am                  | 111           | 1          | 92            | 19              | 0          | 83        | 17                 | 0               | 100                 |                     |
| Pac Islander               | 149           | 1          | 138           | 8               | 3          | 93        | 5                  | 2               | 98                  |                     |
| White                      | 1,248         | 6          | 1,109         | 64              | 75         | 89        | 5                  | 6               | 94                  |                     |
| Other                      | 79            | 0          | 63            | 11              | 5          | 80        | 14                 | 6               | 94                  |                     |
| Unrecorded                 | 616           | 3          | 541           | 44              | 31         | 88        | 7                  | 5               | 95                  |                     |
| <b>Total</b>               | <b>21,904</b> | <b>100</b> | <b>18,564</b> | <b>3,070</b>    | <b>270</b> | <b>85</b> | <b>14</b>          | <b>1</b>        | <b>99</b>           |                     |
| <b>Fiscal Year 2006-07</b> |               |            |               |                 |            |           |                    |                 |                     |                     |
| Asian                      | 1,210         | 5          | 1,103         | 38              | 69         | 91        | 3                  | 6               | 94                  |                     |
| Black                      | 6,127         | 25         | 5,717         | 335             | 75         | 93        | 5                  | 1               | 99                  |                     |
| Filipino                   | 246           | 1          | 207           | 19              | 20         | 84        | 8                  | 8               | 92                  |                     |
| Hispanic                   | 9,333         | 38         | 7,975         | 1,058           | 300        | 85        | 11                 | 3               | 97                  |                     |
| Native Am                  | 149           | 1          | 122           | 22              | 5          | 82        | 15                 | 3               | 97                  |                     |
| Pac Islander               | 112           | 0          | 101           | 6               | 5          | 90        | 5                  | 4               | 96                  |                     |
| White                      | 1,497         | 6          | 1,370         | 36              | 91         | 92        | 2                  | 6               | 94                  |                     |
| Other                      | 89            | 0          | 74            | 7               | 8          | 83        | 8                  | 9               | 91                  |                     |
| Unrecorded                 | 5,776         | 24         | 4,517         | 876             | 383        | 78        | 15                 | 7               | 93                  |                     |
| <b>Total</b>               | <b>24,539</b> | <b>100</b> | <b>21,186</b> | <b>2,397</b>    | <b>956</b> | <b>86</b> | <b>10</b>          | <b>4</b>        | <b>96</b>           |                     |
| <b>Fiscal Year 2005-06</b> |               |            |               |                 |            |           |                    |                 |                     |                     |
| Asian                      | 906           | 3          | 799           | 41              | 66         | 88        | 5                  | 7               | 93                  |                     |
| Black                      | 4,953         | 19         | 4,368         | 570             | 15         | 88        | 12                 | 0               | 100                 |                     |
| Filipino                   | 141           | 1          | 120           | 7               | 14         | 85        | 5                  | 10              | 90                  |                     |
| Hispanic                   | 6,405         | 24         | 5,312         | 1,029           | 64         | 83        | 16                 | 1               | 99                  |                     |
| Native Am                  | 111           | 0          | 104           | 6               | 1          | 94        | 5                  | 1               | 99                  |                     |
| Pac Islander               | 69            | 0          | 61            | 3               | 5          | 88        | 4                  | 7               | 93                  |                     |
| White                      | 1,268         | 5          | 1,160         | 47              | 61         | 91        | 4                  | 5               | 95                  |                     |
| Other                      | 89            | 0          | 79            | 4               | 6          | 89        | 4                  | 7               | 93                  |                     |
| Unrecorded                 | 12,417        | 47         | 11,01         | 1,385           | 18         | 89        | 11                 | 0               | 100                 |                     |
| <b>Total</b>               | <b>26,359</b> | <b>100</b> | <b>23,01</b>  | <b>3,092</b>    | <b>250</b> | <b>87</b> | <b>12</b>          | <b>1</b>        | <b>99</b>           |                     |