



# Productivity 2010/11 through 2014/15 Computer Information Systems (CIS)

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| <b><u>Productivity by Year</u></b> |                         |                              |             |             |             |             |                 |                   |                   |
|------------------------------------|-------------------------|------------------------------|-------------|-------------|-------------|-------------|-----------------|-------------------|-------------------|
|                                    | <b>Census Headcount</b> | <b>End of Term Headcount</b> | <b>FTEF</b> | <b>FTES</b> | <b>WSCH</b> | <b>Load</b> | <b>Sections</b> | <b>Max Enroll</b> | <b>Fill Rates</b> |
| 2010/11                            | 208                     | 145                          | 1.07        | 21.57       | 647         | 607         | 9               | 255               | 81.6%             |
| 2011/12                            | 342                     | 207                          | 1.67        | 33.90       | 1,017       | 610         | 14              | 405               | 84.4%             |
| 2012/13                            | 180                     | 139                          | 1.79        | 24.45       | 733         | 411         | 11              | 290               | 62.1%             |
| 2013/14                            | 363                     | 279                          | 3.99        | 62.15       | 1,865       | 468         | 15              | 512               | 70.9%             |
| 2014/15                            | 526                     | 375                          | 4.96        | 73.48       | 2,205       | 444         | 19              | 717               | 73.4%             |

Census Headcount: Number of duplicated headcount at final census. End of Term Headcount: Number of duplicated headcount at the end of the term.  
 FTEF: Total number of full time equivalent faculty assigned. FTES: Total number of full time equivalent students enrolled at first census.  
 WSCH: Weekly student contact hours generated by census enrollments. Load: The ratio of WSCH to FTEF, used to measure productivity.  
 Sections: Total number of sections offered per semester. Max Enroll: The enrollment capacity or maximum enrollment as defined in curriculum.  
 Fill Rate: Census Headcount divided by Max Enrollment.

### Productivity by Semester

|             | <b>Census<br/>Headcount</b> | <b>End of Term<br/>Headcount</b> | <b>FTEF</b> | <b>FTES</b> | <b>WSCH</b> | <b>Load</b> | <b>Sections</b> | <b>Max Enroll</b> | <b>Fill Rates</b> |
|-------------|-----------------------------|----------------------------------|-------------|-------------|-------------|-------------|-----------------|-------------------|-------------------|
| Fall 2010   | 75                          | 60                               | 0.40        | 8.44        | 253         | 633         | 3               | 90                | 83.3%             |
| Fall 2011   | 142                         | 95                               | 0.80        | 15.08       | 452         | 566         | 6               | 180               | 78.9%             |
| Fall 2012   | 63                          | 46                               | 0.76        | 10.89       | 327         | 430         | 3               | 85                | 74.1%             |
| Fall 2013   | 136                         | 110                              | 1.68        | 26.81       | 804         | 479         | 6               | 200               | 68.0%             |
| Fall 2014   | 192                         | 135                              | 1.92        | 25.79       | 774         | 403         | 8               | 260               | 73.8%             |
| Spring 2011 | 123                         | 78                               | 0.60        | 12.82       | 385         | 641         | 5               | 150               | 82.0%             |
| Spring 2012 | 191                         | 106                              | 0.80        | 18.55       | 556         | 696         | 7               | 210               | 91.0%             |
| Spring 2013 | 73                          | 61                               | 0.76        | 9.58        | 288         | 378         | 5               | 130               | 56.2%             |
| Spring 2014 | 160                         | 118                              | 1.52        | 22.58       | 678         | 446         | 7               | 217               | 73.7%             |
| Spring 2015 | 178                         | 129                              | 1.92        | 24.23       | 727         | 379         | 9               | 277               | 64.3%             |
| Summer 2010 | 10                          | 7                                | 0.07        | 0.31        | 9           | 139         | 1               | 15                | 66.7%             |
| Summer 2011 | 9                           | 6                                | 0.07        | 0.28        | 8           | 125         | 1               | 15                | 60.0%             |
| Summer 2012 | 44                          | 32                               | 0.27        | 3.98        | 119         | 448         | 3               | 75                | 58.7%             |
| Summer 2013 | 67                          | 51                               | 0.79        | 12.75       | 383         | 486         | 2               | 95                | 70.5%             |
| Summer 2014 | 156                         | 111                              | 1.12        | 23.46       | 704         | 628         | 2               | 180               | 86.7%             |

**DE vs Non DE Courses**

|             |            | <b>Census<br/>Headcount</b> | <b>End of Term<br/>Headcount</b> | <b>FTEF</b> | <b>FTES</b> | <b>WSCH</b> | <b>Load</b> | <b>Sections</b> | <b>Max Enroll</b> | <b>Fill Rates</b> |
|-------------|------------|-----------------------------|----------------------------------|-------------|-------------|-------------|-------------|-----------------|-------------------|-------------------|
| Fall 2010   | FaceToFace | 46                          | 36                               | 0.40        | 5.05        | 152         | 379         | 2               | 60                | 76.7%             |
|             | Online     | 29                          | 24                               | 0.00        | 3.38        | 102         | #INF        | 1               | 30                | 96.7%             |
|             | Total      | 75                          | 60                               | 0.40        | 8.44        | 253         | 633         | 3               | 90                | 83.3%             |
| Fall 2011   | FaceToFace | 106                         | 67                               | 0.80        | 11.12       | 334         | 417         | 5               | 140               | 75.7%             |
|             | Online     | 36                          | 28                               | 0.00        | 3.96        | 119         | #INF        | 1               | 40                | 90.0%             |
|             | Total      | 142                         | 95                               | 0.80        | 15.08       | 452         | 566         | 6               | 180               | 78.9%             |
| Fall 2012   | FaceToFace | 39                          | 26                               | 0.56        | 6.01        | 180         | 322         | 2               | 55                | 70.9%             |
|             | Online     | 24                          | 20                               | 0.20        | 4.88        | 146         | 732         | 1               | 30                | 80.0%             |
|             | Total      | 63                          | 46                               | 0.76        | 10.89       | 327         | 430         | 3               | 85                | 74.1%             |
| Fall 2013   | FaceToFace | 108                         | 90                               | 1.32        | 20.93       | 628         | 476         | 5               | 160               | 67.5%             |
|             | Online     | 28                          | 20                               | 0.36        | 5.88        | 176         | 490         | 1               | 40                | 70.0%             |
|             | Total      | 136                         | 110                              | 1.68        | 26.81       | 804         | 479         | 6               | 200               | 68.0%             |
| Fall 2014   | FaceToFace | 163                         | 118                              | 1.56        | 19.70       | 591         | 379         | 7               | 220               | 74.1%             |
|             | Online     | 29                          | 17                               | 0.36        | 6.09        | 183         | 508         | 1               | 40                | 72.5%             |
|             | Total      | 192                         | 135                              | 1.92        | 25.79       | 774         | 403         | 8               | 260               | 73.8%             |
| Spring 2011 | FaceToFace | 70                          | 45                               | 0.60        | 6.99        | 210         | 350         | 3               | 90                | 77.8%             |
|             | Online     |                             |                                  |             |             |             |             |                 | 60                |                   |
|             |            | 53                          | 33                               | 0.00        | 5.83        | 175         | #INF        | 2               |                   | 88.3%             |
|             | Total      | 123                         | 78                               | 0.60        | 12.82       | 385         | 641         | 5               | 150               | 82.0%             |
| Spring 2012 | FaceToFace | 107                         | 63                               | 0.80        | 10.53       | 316         | 395         | 4               | 120               | 89.2%             |
|             | Online     |                             |                                  |             |             |             |             |                 | 90                |                   |
|             |            | 84                          | 43                               | 0.00        | 8.01        | 240         | #INF        | 3               |                   | 93.3%             |
|             | Total      | 191                         | 106                              | 0.80        | 18.55       | 556         | 696         | 7               | 210               | 91.0%             |
| Spring 2013 | FaceToFace | 60                          | 49                               | 0.76        | 8.15        | 245         | 322         | 4               | 100               | 60.0%             |
|             | Online     |                             |                                  |             |             |             |             |                 | 30                |                   |
|             |            | 13                          | 12                               | 0.00        | 1.43        | 43          | #INF        | 1               |                   | 43.3%             |
|             | Total      | 73                          | 61                               | 0.76        | 9.58        | 288         | 378         | 5               | 130               | 56.2%             |

**DE vs Non DE Courses**

|             |            | <b>Census<br/>Headcount</b> | <b>End of Term<br/>Headcount</b> | <b>FTEF</b> | <b>FTES</b> | <b>WSCH</b> | <b>Load</b> | <b>Sections</b> | <b>Max Enroll</b> | <b>Fill Rates</b> |
|-------------|------------|-----------------------------|----------------------------------|-------------|-------------|-------------|-------------|-----------------|-------------------|-------------------|
| Spring 2014 | FaceToFace | 125                         | 94                               | 1.16        | 15.23       | 457         | 394         | 6               | 182               | 68.7%             |
|             | Online     |                             |                                  |             |             |             |             |                 | 35                |                   |
|             | Total      | 35                          | 24                               | 0.36        | 7.35        | 221         | 613         | 1               |                   | 100.0%            |
| Spring 2015 | FaceToFace | 160                         | 118                              | 1.52        | 22.58       | 678         | 446         | 7               | 217               | 73.7%             |
|             | Online     | 144                         | 103                              | 1.56        | 17.20       | 516         | 331         | 8               | 242               | 59.5%             |
|             | Total      | 34                          | 26                               | 0.36        | 7.03        | 211         | 586         | 1               | 35                | 97.1%             |
| Summer 2010 | FaceToFace | 178                         | 129                              | 1.92        | 24.23       | 727         | 379         | 9               | 277               | 64.3%             |
|             | Total      | 10                          | 7                                | 0.07        | 0.31        | 9           | 139         | 1               | 15                | 66.7%             |
|             | Total      | 10                          | 7                                | 0.07        | 0.31        | 9           | 139         | 1               | 15                | 66.7%             |
| Summer 2011 | FaceToFace | 9                           | 6                                | 0.07        | 0.28        | 8           | 125         | 1               | 15                | 60.0%             |
|             | Total      | 9                           | 6                                | 0.07        | 0.28        | 8           | 125         | 1               | 15                | 60.0%             |
| Summer 2012 | FaceToFace | 26                          | 20                               | 0.27        | 2.03        | 61          | 228         | 2               | 45                | 57.8%             |
|             | Online     |                             |                                  |             |             |             |             |                 | 30                |                   |
|             | Total      | 18                          | 12                               | 0.00        | 1.95        | 59          | #INF        | 1               |                   | 60.0%             |
| Summer 2013 | FaceToFace | 44                          | 32                               | 0.27        | 3.98        | 119         | 448         | 3               | 75                | 58.7%             |
|             | Online     | 7                           | 5                                | 0.07        | 0.24        | 7           | 108         | 1               | 15                | 46.7%             |
|             | Total      | 60                          | 46                               | 0.72        | 12.51       | 375         | 521         | 1               | 80                | 75.0%             |
| Summer 2014 | FaceToFace | 67                          | 51                               | 0.79        | 12.75       | 383         | 486         | 2               | 95                | 70.5%             |
|             | Online     |                             |                                  |             |             |             |             |                 | 180               |                   |
|             | Total      | 156                         | 111                              | 1.12        | 23.46       | 704         | 628         | 2               |                   | 86.7%             |
|             | Total      | 156                         | 111                              | 1.12        | 23.46       | 704         | 628         | 2               | 180               | 86.7%             |

**Basic Skills vs Non Basic Skills Courses**

|             |                  | <b>Census<br/>Headcount</b> | <b>End of Term<br/>Headcount</b> | <b>FTEF</b> | <b>FTES</b> | <b>WSCH</b> | <b>Load</b> | <b>Sections</b> | <b>Max Enroll</b> | <b>Fill Rates</b> |
|-------------|------------------|-----------------------------|----------------------------------|-------------|-------------|-------------|-------------|-----------------|-------------------|-------------------|
| Fall 2010   | Non Basic Skills | 75                          | 60                               | 0.40        | 8.44        | 253         | 633         | 3               | 90                | 83.3%             |
|             | Total            | 75                          | 60                               | 0.40        | 8.44        | 253         | 633         | 3               | 90                | 83.3%             |
| Fall 2011   | Non Basic Skills | 142                         | 95                               | 0.80        | 15.08       | 452         | 566         | 6               | 180               | 78.9%             |
|             | Total            | 142                         | 95                               | 0.80        | 15.08       | 452         | 566         | 6               | 180               | 78.9%             |
| Fall 2012   | Non Basic Skills | 63                          | 46                               | 0.76        | 10.89       | 327         | 430         | 3               | 85                | 74.1%             |
|             | Total            | 63                          | 46                               | 0.76        | 10.89       | 327         | 430         | 3               | 85                | 74.1%             |
| Fall 2013   | Non Basic Skills | 136                         | 110                              | 1.68        | 26.81       | 804         | 479         | 6               | 200               | 68.0%             |
|             | Total            | 136                         | 110                              | 1.68        | 26.81       | 804         | 479         | 6               | 200               | 68.0%             |
| Fall 2014   | Non Basic Skills | 192                         | 135                              | 1.92        | 25.79       | 774         | 403         | 8               | 260               | 73.8%             |
|             | Total            | 192                         | 135                              | 1.92        | 25.79       | 774         | 403         | 8               | 260               | 73.8%             |
| Spring 2011 | Non Basic Skills | 123                         | 78                               | 0.60        | 12.82       | 385         | 641         | 5               | 150               | 82.0%             |
|             | Total            | 123                         | 78                               | 0.60        | 12.82       | 385         | 641         | 5               | 150               | 82.0%             |
| Spring 2012 | Non Basic Skills | 191                         | 106                              | 0.80        | 18.55       | 556         | 696         | 7               | 210               | 91.0%             |
|             | Total            | 191                         | 106                              | 0.80        | 18.55       | 556         | 696         | 7               | 210               | 91.0%             |
| Spring 2013 | Non Basic Skills | 73                          | 61                               | 0.76        | 9.58        | 288         | 378         | 5               | 130               | 56.2%             |
|             | Total            | 73                          | 61                               | 0.76        | 9.58        | 288         | 378         | 5               | 130               | 56.2%             |
| Spring 2014 | Non Basic Skills | 160                         | 118                              | 1.52        | 22.58       | 678         | 446         | 7               | 217               | 73.7%             |
|             | Total            | 160                         | 118                              | 1.52        | 22.58       | 678         | 446         | 7               | 217               | 73.7%             |
| Spring 2015 | Non Basic Skills | 178                         | 129                              | 1.92        | 24.23       | 727         | 379         | 9               | 277               | 64.3%             |
|             | Total            | 178                         | 129                              | 1.92        | 24.23       | 727         | 379         | 9               | 277               | 64.3%             |
| Summer 2010 | Non Basic Skills | 10                          | 7                                | 0.07        | 0.31        | 9           | 139         | 1               | 15                | 66.7%             |
|             | Total            | 10                          | 7                                | 0.07        | 0.31        | 9           | 139         | 1               | 15                | 66.7%             |
| Summer 2011 | Non Basic Skills | 9                           | 6                                | 0.07        | 0.28        | 8           | 125         | 1               | 15                | 60.0%             |
|             | Total            | 9                           | 6                                | 0.07        | 0.28        | 8           | 125         | 1               | 15                | 60.0%             |
| Summer 2012 | Non Basic Skills | 44                          | 32                               | 0.27        | 3.98        | 119         | 448         | 3               | 75                | 58.7%             |

**Basic Skills vs Non Basic Skills Courses**

|             |                  | <b>Census<br/>Headcount</b> | <b>End of Term<br/>Headcount</b> | <b>FTEF</b> | <b>FTES</b> | <b>WSCH</b> | <b>Load</b> | <b>Sections</b> | <b>Max Enroll</b> | <b>Fill Rates</b> |
|-------------|------------------|-----------------------------|----------------------------------|-------------|-------------|-------------|-------------|-----------------|-------------------|-------------------|
| Summer 2013 | Total            | 44                          | 32                               | 0.27        | 3.98        | 119         | 448         | 3               | 75                | 58.7%             |
|             | Non Basic Skills | 67                          | 51                               | 0.79        | 12.75       | 383         | 486         | 2               | 95                | 70.5%             |
| Summer 2014 | Total            | 67                          | 51                               | 0.79        | 12.75       | 383         | 486         | 2               | 95                | 70.5%             |
|             | Non Basic Skills | 156                         | 111                              | 1.12        | 23.46       | 704         | 628         | 2               | 180               | 86.7%             |
|             | Total            | 156                         | 111                              | 1.12        | 23.46       | 704         | 628         | 2               | 180               | 86.7%             |

**CTE vs NonCTE Courses**

|             |         | <b>Census<br/>Headcount</b> | <b>End of Term<br/>Headcount</b> | <b>FTEF</b> | <b>FTEs</b> | <b>WSCH</b> | <b>Load</b> | <b>Sections</b> | <b>Max<br/>Enroll</b> | <b>Fill Rates</b> |
|-------------|---------|-----------------------------|----------------------------------|-------------|-------------|-------------|-------------|-----------------|-----------------------|-------------------|
| Fall 2010   | CTE     | 58                          | 47                               | 0.20        | 6.28        | 189         | 943         | 2               | 60                    | 96.7%             |
|             | Non CTE | 17                          | 13                               | 0.20        | 2.15        | 65          | 323         | 1               | 30                    | 56.7%             |
|             | Total   | 75                          | 60                               | 0.40        | 8.44        | 253         | 633         | 3               | 90                    | 83.3%             |
| Fall 2011   | CTE     | 108                         | 68                               | 0.40        | 11.34       | 340         | 851         | 4               | 120                   | 90.0%             |
|             | Non CTE | 34                          | 27                               | 0.40        | 3.74        | 112         | 281         | 2               | 60                    | 56.7%             |
|             | Total   | 142                         | 95                               | 0.80        | 15.08       | 452         | 566         | 6               | 180                   | 78.9%             |
| Fall 2012   | CTE     | 46                          | 34                               | 0.56        | 8.90        | 267         | 477         | 2               | 55                    | 83.6%             |
|             | Non CTE | 17                          | 12                               | 0.20        | 1.98        | 60          | 298         | 1               | 30                    | 56.7%             |
|             | Total   | 63                          | 46                               | 0.76        | 10.89       | 327         | 430         | 3               | 85                    | 74.1%             |
| Fall 2013   | CTE     | 118                         | 97                               | 1.48        | 24.71       | 741         | 501         | 5               | 170                   | 69.4%             |
|             | Non CTE | 18                          | 13                               | 0.20        | 2.10        | 63          | 315         | 1               | 30                    | 60.0%             |
|             | Total   | 136                         | 110                              | 1.68        | 26.81       | 804         | 479         | 6               | 200                   | 68.0%             |
| Fall 2014   | CTE     | 153                         | 109                              | 1.52        | 21.69       | 651         | 428         | 6               | 200                   | 76.5%             |
|             | Non CTE | 39                          | 26                               | 0.40        | 4.10        | 123         | 308         | 2               | 60                    | 65.0%             |
|             | Total   | 192                         | 135                              | 1.92        | 25.79       | 774         | 403         | 8               | 260                   | 73.8%             |
| Spring 2011 | CTE     | 106                         | 66                               | 0.40        | 11.12       | 334         | 834         | 4               | 120                   | 88.3%             |
|             | Non CTE | 17                          | 12                               | 0.20        | 1.70        | 51          | 255         | 1               | 30                    | 56.7%             |
|             | Total   | 123                         | 78                               | 0.60        | 12.82       | 385         | 641         | 5               | 150                   | 82.0%             |
| Spring 2012 | CTE     | 168                         | 86                               | 0.60        | 16.25       | 487         | 812         | 6               | 180                   | 93.3%             |
|             | Non CTE | 23                          | 20                               | 0.20        | 2.30        | 69          | 345         | 1               | 30                    | 76.7%             |
|             | Total   | 191                         | 106                              | 0.80        | 18.55       | 556         | 696         | 7               | 210                   | 91.0%             |
| Spring 2013 | CTE     | 45                          | 41                               | 0.56        | 6.78        | 204         | 363         | 3               | 90                    | 50.0%             |
|             | Non CTE | 28                          | 20                               | 0.20        | 2.80        | 84          | 420         | 2               | 40                    | 70.0%             |
|             | Total   | 73                          | 61                               | 0.76        | 9.58        | 288         | 378         | 5               | 130                   | 56.2%             |
| Spring 2014 | CTE     | 116                         | 87                               | 1.12        | 18.65       | 560         | 500         | 4               | 150                   | 77.3%             |
|             | Non CTE | 44                          | 31                               | 0.40        | 3.93        | 118         | 295         | 3               | 67                    | 65.7%             |

**CTE vs NonCTE Courses**

|             |         | <b>Census<br/>Headcount</b> | <b>End of Term<br/>Headcount</b> | <b>FTEF</b> | <b>FTES</b> | <b>WSCH</b> | <b>Load</b> | <b>Sections</b> | <b>Max<br/>Enroll</b> | <b>Fill Rates</b> |
|-------------|---------|-----------------------------|----------------------------------|-------------|-------------|-------------|-------------|-----------------|-----------------------|-------------------|
| Spring 2015 | Total   | 160                         | 118                              | 1.52        | 22.58       | 678         | 446         | 7               | 217                   | 73.7%             |
|             | CTE     | 156                         | 117                              | 1.72        | 22.33       | 670         | 389         | 7               | 240                   | 65.0%             |
|             | Non CTE | 22                          | 12                               | 0.20        | 1.90        | 57          | 286         | 2               | 37                    | 59.5%             |
| Summer 2010 | Total   | 178                         | 129                              | 1.92        | 24.23       | 727         | 379         | 9               | 277                   | 64.3%             |
|             | Non CTE | 10                          | 7                                | 0.07        | 0.31        | 9           | 139         | 1               | 15                    | 66.7%             |
| Summer 2011 | Total   | 10                          | 7                                | 0.07        | 0.31        | 9           | 139         | 1               | 15                    | 66.7%             |
|             | Non CTE | 9                           | 6                                | 0.07        | 0.28        | 8           | 125         | 1               | 15                    | 60.0%             |
| Summer 2012 | Total   | 9                           | 6                                | 0.07        | 0.28        | 8           | 125         | 1               | 15                    | 60.0%             |
|             | CTE     | 34                          | 23                               | 0.20        | 3.64        | 109         | 545         | 2               | 60                    | 56.7%             |
|             | Non CTE | 10                          | 9                                | 0.07        | 0.34        | 10          | 154         | 1               | 15                    | 66.7%             |
| Summer 2013 | Total   | 44                          | 32                               | 0.27        | 3.98        | 119         | 448         | 3               | 75                    | 58.7%             |
|             | CTE     | 60                          | 46                               | 0.72        | 12.51       | 375         | 521         | 1               | 80                    | 75.0%             |
|             | Non CTE | 7                           | 5                                | 0.07        | 0.24        | 7           | 108         | 1               | 15                    | 46.7%             |
| Summer 2014 | Total   | 67                          | 51                               | 0.79        | 12.75       | 383         | 486         | 2               | 95                    | 70.5%             |
|             | CTE     | 156                         | 111                              | 1.12        | 23.46       | 704         | 628         | 2               | 180                   | 86.7%             |
|             | Total   | 156                         | 111                              | 1.12        | 23.46       | 704         | 628         | 2               | 180                   | 86.7%             |



### Transfer vs Non Transfer Courses

|                |       | <b>Census<br/>Headcount</b> | <b>End of Term<br/>Headcount</b> | <b>FTEF</b> | <b>FTES</b> | <b>WSCH</b> | <b>Load</b> | <b>Sections</b> | <b>Max Enroll</b> | <b>Fill Rates</b> |
|----------------|-------|-----------------------------|----------------------------------|-------------|-------------|-------------|-------------|-----------------|-------------------|-------------------|
| Fall 2010      | Y     | 75                          | 60                               | 0.40        | 8.44        | 253         | 633         | 3               | 90                | 83.3%             |
|                | Total | 75                          | 60                               | 0.40        | 8.44        | 253         | 633         | 3               | 90                | 83.3%             |
| Fall 2011      | Y     | 142                         | 95                               | 0.80        | 15.08       | 452         | 566         | 6               | 180               | 78.9%             |
|                | Total | 142                         | 95                               | 0.80        | 15.08       | 452         | 566         | 6               | 180               | 78.9%             |
| Fall 2012      | Y     | 63                          | 46                               | 0.76        | 10.89       | 327         | 430         | 3               | 85                | 74.1%             |
|                | Total | 63                          | 46                               | 0.76        | 10.89       | 327         | 430         | 3               | 85                | 74.1%             |
| Fall 2013      | Y     | 136                         | 110                              | 1.68        | 26.81       | 804         | 479         | 6               | 200               | 68.0%             |
|                | Total | 136                         | 110                              | 1.68        | 26.81       | 804         | 479         | 6               | 200               | 68.0%             |
| Fall 2014      | Y     | 192                         | 135                              | 1.92        | 25.79       | 774         | 403         | 8               | 260               | 73.8%             |
|                | Total | 192                         | 135                              | 1.92        | 25.79       | 774         | 403         | 8               | 260               | 73.8%             |
| Spring 2011    | Y     | 123                         | 78                               | 0.60        | 12.82       | 385         | 641         | 5               | 150               | 82.0%             |
|                | Total | 123                         | 78                               | 0.60        | 12.82       | 385         | 641         | 5               | 150               | 82.0%             |
| Spring 2012    | Y     | 191                         | 106                              | 0.80        | 18.55       | 556         | 696         | 7               | 210               | 91.0%             |
|                | Total | 191                         | 106                              | 0.80        | 18.55       | 556         | 696         | 7               | 210               | 91.0%             |
| Spring 2013    | Y     | 73                          | 61                               | 0.76        | 9.58        | 288         | 378         | 5               | 130               | 56.2%             |
|                | Total | 73                          | 61                               | 0.76        | 9.58        | 288         | 378         | 5               | 130               | 56.2%             |
| Spring 2014    | Y     | 160                         | 118                              | 1.52        | 22.58       | 678         | 446         | 7               | 217               | 73.7%             |
|                | Total | 160                         | 118                              | 1.52        | 22.58       | 678         | 446         | 7               | 217               | 73.7%             |
| Spring 2015    | Y     | 178                         | 129                              | 1.92        | 24.23       | 727         | 379         | 9               | 277               | 64.3%             |
|                | Total | 178                         | 129                              | 1.92        | 24.23       | 727         | 379         | 9               | 277               | 64.3%             |
| Summer<br>2010 | Y     | 10                          | 7                                | 0.07        | 0.31        | 9           | 139         | 1               | 15                | 66.7%             |
|                | Total | 10                          | 7                                | 0.07        | 0.31        | 9           | 139         | 1               | 15                | 66.7%             |

**Transfer vs Non Transfer Courses**

|             |       | <b>Census<br/>Headcount</b> | <b>End of Term<br/>Headcount</b> | <b>FTEF</b> | <b>FTES</b> | <b>WSCH</b> | <b>Load</b> | <b>Sections</b> | <b>Max Enroll</b> | <b>Fill Rates</b> |
|-------------|-------|-----------------------------|----------------------------------|-------------|-------------|-------------|-------------|-----------------|-------------------|-------------------|
| Summer 2011 | Y     | 9                           | 6                                | 0.07        | 0.28        | 8           | 125         | 1               | 15                | 60.0%             |
|             | Total | 9                           | 6                                | 0.07        | 0.28        | 8           | 125         | 1               | 15                | 60.0%             |
| Summer 2012 | Y     | 44                          | 32                               | 0.27        | 3.98        | 119         | 448         | 3               | 75                | 58.7%             |
|             | Total | 44                          | 32                               | 0.27        | 3.98        | 119         | 448         | 3               | 75                | 58.7%             |
| Summer 2013 | Y     | 67                          | 51                               | 0.79        | 12.75       | 383         | 486         | 2               | 95                | 70.5%             |
|             | Total | 67                          | 51                               | 0.79        | 12.75       | 383         | 486         | 2               | 95                | 70.5%             |
| Summer 2014 | Y     | 156                         | 111                              | 1.12        | 23.46       | 704         | 628         | 2               | 180               | 86.7%             |
|             | Total | 156                         | 111                              | 1.12        | 23.46       | 704         | 628         | 2               | 180               | 86.7%             |

### Day vs Evening Courses

|             |   | <b>Census<br/>Headcount</b> | <b>End of Term<br/>Headcount</b> | <b>FTEF</b> | <b>FTES</b> | <b>WSCH</b> | <b>Load</b> | <b>Sections</b> | <b>Max Enroll</b> | <b>Fill Rates</b> |
|-------------|---|-----------------------------|----------------------------------|-------------|-------------|-------------|-------------|-----------------|-------------------|-------------------|
| Fall 2010   | D | 29                          | 23                               | 0.20        | 2.90        | 87          | 435         | 1               | 30                | 96.7%             |
|             | E | 46                          | 37                               | 0.20        | 5.54        | 166         | 831         | 2               | 60                | 76.7%             |
| Fall 2011   | D | 54                          | 32                               | 0.40        | 5.40        | 162         | 405         | 2               | 60                | 90.0%             |
|             | E | 88                          | 63                               | 0.40        | 9.68        | 290         | 726         | 4               | 120               | 73.3%             |
| Fall 2012   | D | 24                          | 20                               | 0.20        | 4.88        | 146         | 732         | 1               | 30                | 80.0%             |
|             | E | 39                          | 26                               | 0.56        | 6.01        | 180         | 322         | 2               | 55                | 70.9%             |
| Fall 2013   | D | 90                          | 77                               | 1.12        | 18.83       | 565         | 505         | 4               | 130               | 69.2%             |
|             | E | 46                          | 33                               | 0.56        | 7.98        | 239         | 428         | 2               | 70                | 65.7%             |
| Fall 2014   | D | 143                         | 105                              | 1.36        | 17.50       | 525         | 386         | 6               | 190               | 75.3%             |
|             | E | 49                          | 30                               | 0.56        | 8.29        | 249         | 444         | 2               | 70                | 70.0%             |
| Spring 2011 | D | 27                          | 19                               | 0.20        | 2.52        | 76          | 378         | 1               | 30                | 90.0%             |
|             | E | 96                          | 59                               | 0.40        | 10.30       | 309         | 773         | 4               | 120               | 80.0%             |
| Spring 2012 | D | 59                          | 32                               | 0.40        | 5.73        | 172         | 430         | 2               | 60                | 98.3%             |
|             | E | 132                         | 74                               | 0.40        | 12.81       | 384         | 961         | 5               | 150               | 88.0%             |
| Spring 2013 | D | 32                          | 29                               | 0.56        | 5.35        | 161         | 287         | 2               | 60                | 53.3%             |
|             | E | 41                          | 32                               | 0.20        | 4.23        | 127         | 635         | 3               | 70                | 58.6%             |
| Spring 2014 | D | 101                         | 77                               | 0.96        | 12.83       | 385         | 401         | 5               | 152               | 66.4%             |
|             | E | 59                          | 41                               | 0.56        | 9.75        | 293         | 522         | 2               | 65                | 90.8%             |
| Spring 2015 | D | 128                         | 97                               | 1.36        | 15.60       | 468         | 344         | 7               | 212               | 60.4%             |
|             | E | 50                          | 32                               | 0.56        | 8.63        | 259         | 462         | 2               | 65                | 76.9%             |
| Summer 2010 | E | 10                          | 7                                | 0.07        | 0.31        | 9           | 139         | 1               | 15                | 66.7%             |
| Summer 2011 | E | 9                           | 6                                | 0.07        | 0.28        | 8           | 125         | 1               | 15                | 60.0%             |
| Summer 2012 | D | 16                          | 11                               | 0.20        | 1.68        | 50          | 252         | 1               | 30                | 53.3%             |
|             | E | 28                          | 21                               | 0.07        | 2.30        | 69          | 1,033       | 2               | 45                | 62.2%             |
| Summer 2013 | E | 67                          | 51                               | 0.79        | 12.75       | 383         | 486         | 2               | 95                | 70.5%             |
| Summer 2014 | E | 156                         | 111                              | 1.12        | 23.46       | 704         | 628         | 2               | 180               | 86.7%             |

## Productivity by Courses by Semester

|                    |       |                        |                                | Census<br>Headcount | End of Term<br>Headcount | FTEF  | FTES  | WSCH | Load | Sections | Max Enroll | Fill Rate |
|--------------------|-------|------------------------|--------------------------------|---------------------|--------------------------|-------|-------|------|------|----------|------------|-----------|
| <b>Fall 2010</b>   | CIS   | 118                    | Intro to Object-Oriented Prgm  | 29                  | 23                       | 0.20  | 2.90  | 87   | 435  | 1        | 30         | 97%       |
|                    |       | 119                    | Open Computer Lab I            | 29                  | 24                       | 0.00  | 3.38  | 102  | #INF | 1        | 30         | 97%       |
|                    |       | 321                    | Programming for the iPhone     | 17                  | 13                       | 0.20  | 2.15  | 65   | 323  | 1        | 30         | 57%       |
|                    | Total |                        |                                | 75                  | 60                       | 0.40  | 8.44  | 253  | 633  | 3        | 90         | 83%       |
| <b>Fall 2011</b>   | CIS   | 118                    | Intro to Object-Oriented Prgm  | 54                  | 32                       | 0.40  | 5.40  | 162  | 405  | 2        | 60         | 90%       |
|                    |       | 119                    | Open Computer Lab              | 18                  | 8                        | 0.00  | 1.98  | 59   | #INF | 1        | 20         | 90%       |
|                    |       |                        | Open Computer Lab I            | 36                  | 28                       | 0.00  | 3.96  | 119  | #INF | 1        | 40         | 90%       |
|                    |       | 321                    | Programming for the iPhone     | 25                  | 21                       | 0.20  | 2.75  | 83   | 413  | 1        | 30         | 83%       |
|                    | 680CD | JavaScript for Web 2.0 | 9                              | 6                   | 0.20                     | 0.99  | 30    | 149  | 1    | 30       | 30%        |           |
| Total              |       |                        | 142                            | 95                  | 0.80                     | 15.08 | 452   | 566  | 6    | 180      | 79%        |           |
| <b>Fall 2012</b>   | CIS   | 118                    | Intro to Object-Oriented Prgm  | 46                  | 34                       | 0.56  | 8.90  | 267  | 477  | 2        | 55         | 84%       |
|                    |       | 321                    | iOS Programming                | 17                  | 12                       | 0.20  | 1.98  | 60   | 298  | 1        | 30         | 57%       |
|                    | Total |                        |                                | 63                  | 46                       | 0.76  | 10.89 | 327  | 430  | 3        | 85         | 74%       |
| <b>Fall 2013</b>   | CIS   | 118                    | Intro. to Computer Science     | 82                  | 73                       | 1.08  | 21.11 | 633  | 587  | 3        | 110        | 75%       |
|                    |       | 250                    | Intro to Obj Ori Program.: C++ | 36                  | 24                       | 0.40  | 3.60  | 108  | 270  | 2        | 60         | 60%       |
|                    |       | 321                    | iOS Programming                | 18                  | 13                       | 0.20  | 2.10  | 63   | 315  | 1        | 30         | 60%       |
|                    | Total |                        |                                | 136                 | 110                      | 1.68  | 26.81 | 804  | 479  | 6        | 200        | 68%       |
| <b>Fall 2014</b>   | CIS   | 118                    | Intro. to Computer Science     | 61                  | 42                       | 0.72  | 12.49 | 375  | 520  | 2        | 80         | 76%       |
|                    |       | 242                    | Comp. Arch. & Assembly Lang.   | 19                  | 13                       | 0.20  | 1.90  | 57   | 285  | 1        | 30         | 63%       |
|                    |       | 250                    | Intro to Obj Ori Program.: C++ | 54                  | 39                       | 0.40  | 5.40  | 162  | 405  | 2        | 60         | 90%       |
|                    |       | 252                    | Intro to Data Struct.: C++     | 24                  | 20                       | 0.20  | 2.40  | 72   | 360  | 1        | 30         | 80%       |
|                    |       | 284                    | Intro to Obj Orien Prog - Java | 14                  | 8                        | 0.20  | 1.40  | 42   | 210  | 1        | 30         | 47%       |
|                    | 321   | iOS Programming        | 20                             | 13                  | 0.20                     | 2.20  | 66    | 330  | 1    | 30       | 67%        |           |
| Total              |       |                        | 192                            | 135                 | 1.92                     | 25.79 | 774   | 403  | 8    | 260      | 74%        |           |
| <b>Spring 2011</b> | CIS   | 118                    | Intro to Object-Oriented Prgm  | 26                  | 14                       | 0.20  | 2.77  | 83   | 416  | 1        | 30         | 87%       |
|                    |       | 119                    | Open Computer Lab I            | 26                  | 14                       | 0.00  | 2.86  | 86   | #INF | 1        | 30         | 87%       |
|                    |       | 250                    | Programming Methods I: C++     | 27                  | 19                       | 0.20  | 2.52  | 76   | 378  | 1        | 30         | 90%       |

## Productivity by Courses by Semester

|                    |       |       |                                | Census    | End of Term | FTEF | FTES  | WSCH  | Load | Sections | Max Enroll | Fill Rate |
|--------------------|-------|-------|--------------------------------|-----------|-------------|------|-------|-------|------|----------|------------|-----------|
|                    |       |       |                                | Headcount | Headcount   |      |       |       |      |          |            |           |
|                    |       | 251   | Open Computer Lab I: C++       | 27        | 19          | 0.00 | 2.97  | 89    | #INF | 1        | 30         | 90%       |
|                    |       | 321   | Programming for the iPhone     | 17        | 12          | 0.20 | 1.70  | 51    | 255  | 1        | 30         | 57%       |
|                    | Total |       |                                | 123       | 78          | 0.60 | 12.82 | 385   | 641  | 5        | 150        | 82%       |
| <b>Spring 2012</b> | CIS   | 118   | Intro to Object-Oriented Prgm  | 59        | 23          | 0.40 | 5.90  | 177   | 443  | 2        | 60         | 98%       |
|                    |       | 119   | Open Computer Lab              | 25        | 11          | 0.00 | 2.25  | 68    | #INF | 1        | 30         | 83%       |
|                    |       |       | Open Computer Lab I            | 34        | 12          | 0.00 | 3.51  | 105   | #INF | 1        | 30         | 113%      |
|                    |       | 250   | Programming Methods I: C++     | 25        | 20          | 0.20 | 2.33  | 70    | 350  | 1        | 30         | 83%       |
|                    |       | 251   | Open Computer Lab I: C++       | 25        | 20          | 0.00 | 2.25  | 68    | #INF | 1        | 30         | 83%       |
|                    |       | 321   | iOS Programming                | 23        | 20          | 0.20 | 2.30  | 69    | 345  | 1        | 30         | 77%       |
|                    |       | Total |                                |           | 191         | 106  | 0.80  | 18.55 | 556  | 696      | 7          | 210       |
| <b>Spring 2013</b> | CIS   | 118   | Intro to Object-Oriented Prgm  | 19        | 17          | 0.36 | 4.05  | 122   | 338  | 1        | 30         | 63%       |
|                    |       | 250   | Programming Methods I: C++     | 13        | 12          | 0.20 | 1.30  | 39    | 195  | 1        | 30         | 43%       |
|                    |       | 251   | Open Computer Lab I: C++       | 13        | 12          | 0.00 | 1.43  | 43    | #INF | 1        | 30         | 43%       |
|                    |       | 321   | iOS Programming                | 28        | 20          | 0.20 | 2.80  | 84    | 420  | 2        | 80         | 35%       |
|                    |       | Total |                                |           | 73          | 61   | 0.76  | 9.58  | 288  | 378      | 5          | 170       |
| <b>Spring 2014</b> | CIS   | 118   | Intro. to Computer Science     | 67        | 51          | 0.72 | 13.75 | 413   | 573  | 2        | 70         | 96%       |
|                    |       | 242   | Comp. Arch. & Assembly Lang.   | 13        | 7           | 0.20 | 1.30  | 39    | 195  | 1        | 30         | 43%       |
|                    |       | 250   | Intro to Obj Ori Program.: C++ | 49        | 36          | 0.40 | 4.90  | 147   | 368  | 2        | 80         | 61%       |
|                    |       | 321   | iOS Programming                | 24        | 17          | 0.20 | 2.40  | 72    | 360  | 1        | 30         | 80%       |
|                    |       | 695   | Independent Study              | 7         | 7           | 0.00 | 0.23  | 7     | #INF | 1        | 7          | 100%      |
|                    |       | Total |                                |           | 160         | 118  | 1.52  | 22.58 | 678  | 446      | 7          | 217       |
| <b>Spring 2015</b> | CIS   | 118   | Intro. to Computer Science     | 65        | 49          | 0.72 | 13.23 | 397   | 551  | 2        | 70         | 93%       |
|                    |       | 250   | Intro to Obj Ori Program.: C++ | 48        | 37          | 0.40 | 4.80  | 144   | 360  | 2        | 80         | 60%       |
|                    |       | 252   | Intro to Data Structures - C++ | 23        | 15          | 0.20 | 2.30  | 69    | 345  | 1        | 30         | 77%       |
|                    |       | 262   | Discrete Math. for Comp Scienc | 11        | 10          | 0.20 | 1.10  | 33    | 165  | 1        | 30         | 37%       |
|                    |       | 284   | Intro to Obj Orien Prog - Java | 9         | 6           | 0.20 | 0.90  | 27    | 135  | 1        | 30         | 30%       |
|                    |       | 321   | iOS Programming                | 16        | 6           | 0.20 | 1.60  | 48    | 240  | 1        | 30         | 53%       |
|                    |       | 695   | Independent Study              | 6         | 6           | 0.00 | 0.30  | 9     | #INF | 1        | 7          | 86%       |

## Productivity by Courses by Semester

|                        |       |       |                                | Census<br>Headcount | End of Term<br>Headcount | FTEF | FTES  | WSCH  | Load | Sections | Max Enroll | Fill Rate |
|------------------------|-------|-------|--------------------------------|---------------------|--------------------------|------|-------|-------|------|----------|------------|-----------|
| Total                  |       |       |                                | 178                 | 129                      | 1.92 | 24.23 | 727   | 379  | 9        | 277        | 64%       |
| <b>Summer<br/>2010</b> | CIS   | 680CC | World Building with Alice      | 10                  | 7                        | 0.07 | 0.31  | 9     | 139  | 1        | 30         | 33%       |
|                        | Total |       |                                |                     | 10                       | 7    | 0.07  | 0.31  | 9    | 139      | 1          | 30        |
| <b>Summer<br/>2011</b> | CIS   | 680CC | World Building with Alice      | 9                   | 6                        | 0.07 | 0.28  | 8     | 125  | 1        | 30         | 30%       |
|                        | Total |       |                                |                     | 9                        | 6    | 0.07  | 0.28  | 8    | 125      | 1          | 30        |
| <b>Summer<br/>2012</b> | CIS   | 118   | Intro to Object-Oriented Prgm  | 16                  | 11                       | 0.20 | 1.68  | 50    | 252  | 1        | 30         | 53%       |
|                        |       | 119   | Open Computer Lab I            | 18                  | 12                       | 0.00 | 1.95  | 59    | #INF | 1        | 30         | 60%       |
|                        |       | 680CC | World Building with Alice      | 10                  | 9                        | 0.07 | 0.34  | 10    | 154  | 1        | 30         | 33%       |
|                        | Total |       |                                |                     | 44                       | 32   | 0.27  | 3.98  | 119  | 448      | 3          | 90        |
| <b>Summer<br/>2013</b> | CIS   | 118   | Intro to Object-Oriented Prgm  | 60                  | 46                       | 0.72 | 12.51 | 375   | 521  | 1        | 80         | 75%       |
|                        |       | 680CC | World Building with Alice      | 7                   | 5                        | 0.07 | 0.24  | 7     | 108  | 1        | 30         | 23%       |
|                        | Total |       |                                |                     | 67                       | 51   | 0.79  | 12.75 | 383  | 486      | 2          | 110       |
| <b>Summer<br/>2014</b> | CIS   | 118   | Intro. to Computer Science     | 86                  | 63                       | 0.72 | 16.46 | 494   | 686  | 1        | 90         | 96%       |
|                        |       | 250   | Intro to Obj Ori Program.: C++ | 70                  | 48                       | 0.40 | 7.00  | 210   | 525  | 1        | 90         | 78%       |
|                        | Total |       |                                |                     | 156                      | 111  | 1.12  | 23.46 | 704  | 628      | 2          | 180       |

**Productivity by Cross listed Courses by Semester**

|            |     |    |       | <b>Census<br/>Headcount</b> | <b>End of Term<br/>Headcount</b> | <b>FTEF</b> | <b>WSCH<br/>Combined</b> | <b>Load<br/>Combined</b> | <b>Section</b> |   |
|------------|-----|----|-------|-----------------------------|----------------------------------|-------------|--------------------------|--------------------------|----------------|---|
| Spring 201 | CIS | RC | 321   | iOS Programming             | 28                               | 20          | 0.20                     | 84                       | 420            | 2 |
| Summer 2   | CIS | RC | 680CC | World Building with Alice   | 10                               | 7           | 0.07                     | 9                        | 139            | 1 |
| Summer 2   | CIS | RC | 680CC | World Building with Alice   | 9                                | 6           | 0.07                     | 8                        | 125            | 1 |
| Summer 2   | CIS | RC | 680CC | World Building with Alice   | 10                               | 9           | 0.07                     | 10                       | 154            | 1 |
| Summer 2   | CIS | RC | 680CC | World Building with Alice   | 7                                | 5           | 0.07                     | 7                        | 108            | 1 |