

Report to the University Wide Council on Engineering  
Education UCEE

Henry Samueli School of Engineering and Applied Science  
University of California, Los Angeles

Fall 2008  
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## Admission, Enrollment & Degree Statistics

|           |   |
|-----------|---|
| Page 3    | General-Three-Year<br>Fall Enrollments                            |
| Page 4    | Enrollment by Departments<br>Undergraduate                        |
| Page 5    | Enrollment by Departments<br>Graduate                             |
| Pages 6-7 | Applications, Admission, Registration<br>Undergraduate & Graduate |
| Page 8    | Undergraduate Enrollment<br>Women, Minorities & Foreign           |
| Page 9    | Graduate Enrollment<br>Women, Minorities & Foreign                |
| Page 10   | Foreign & Domestic Graduate Enrollment<br>MS & PhD Degrees        |
| Page 11   | Degrees Granted – Three Year<br>BS, MS & PhD Degrees              |
| Page 12   | Faculty FTE<br>Current Recruitment Information                    |

### Enrollments – Fall Quarters

|                                  | <b>2006</b>  | <b>2007</b>  | <b>2008</b>  |
|----------------------------------|--------------|--------------|--------------|
| Undergraduate Enrollment         |              |              |              |
| Lower Division                   | 787          | 1107         | 1050         |
| Upper Division                   | 1526         | 1676         | 1956         |
| <b>Total Undergraduate</b>       | <b>2313</b>  | <b>2783</b>  | <b>3006</b>  |
| Graduate Enrollment              |              |              |              |
| Master's Degree                  | 495          | 606          | 681          |
| Doctoral Degree                  | 800          | 782          | 821          |
| <b>Total Graduate Enrollment</b> | <b>1295</b>  | <b>1388</b>  | <b>1502</b>  |
| <b>HSSEAS Total</b>              | <b>3599</b>  | <b>4171</b>  | <b>4508</b>  |
| <b>Campus Total</b>              | <b>36611</b> | <b>38896</b> | <b>38476</b> |

## Fall Undergraduate Enrollments by Major

|                 | <b>2006</b> | <b>2007</b> | <b>2008</b> |
|-----------------|-------------|-------------|-------------|
| Aerospace Engr  | 205         | 215         | 225         |
| Bioengineering  | 135         | 209         | 239         |
| Chemical Engr   | 280         | 374         | 383         |
| Civil Engr      | 254         | 302         | 361         |
| Computer Sci    | 220         | 253         | 274         |
| Computer Sci &  | 285         | 294         | 274         |
| Electrical Engr | 477         | 565         | 660         |
| Mechanical Engr | 386         | 495         | 509         |
| Materials Engr  | 70          | 76          | 81          |
| <b>Total</b>    | <b>2313</b> | <b>2783</b> | <b>3006</b> |

### Fall Graduate Enrollment and Support by Major

|                  | 2006        |          | 2007        |          | 2008        |          |
|------------------|-------------|----------|-------------|----------|-------------|----------|
|                  | Enrollment  | %Support | Enrollment  | %Support | Enrollment  | %Support |
| Aerospace Engr.  | 49          | 72%      | 60          | 68%      | 54          | 57%      |
| Biomedical IDP   | 114         | 95%      | 117         | 95%      | 110         | 75%      |
| Chemical         | 74          | 94%      | 75          | 94%      | 73          | 94%      |
| Civil            | 104         | 60%      | 114         | 58%      | 122         | 76%      |
| Computer Science | 285         | 40%      | 347         | 41%      | 372         | 47%      |
| Electrical       | 380         | 66%      | 331         | 69%      | 410         | 76%      |
| Mechanical       | 199         | *        | 195         | *        | 208         | *        |
| MS & E           | 89          | 82       | 83          | 73%      | 79          | 80%      |
| Manufacturing    | 1           | *        | 0           | *        | 0           | *        |
| Nuclear          | 0           | *        | 0           | *        | 0           | *        |
| MS Online        | 0           |          | 66          |          | 156         |          |
| <b>Total</b>     | <b>1295</b> |          | <b>1388</b> |          | <b>1584</b> |          |

\* Students in the department of Mechanical and Aerospace Engineering.  
 The information about support is listed under Aerospace Engineering

## Undergraduate Admission Statistics

|                  | Freshmen    |             |              | Enrolled   | Transfers   |            |              |
|------------------|-------------|-------------|--------------|------------|-------------|------------|--------------|
|                  | Apps        | Admits      | Positive SIR |            | Apps        | Admits     | Positive SIR |
| <b>2008-2009</b> |             |             |              |            |             |            |              |
| Aerospace        | 803         | 161         | 49           | 49         | 82          | 20         | 11           |
| Bioengineering   | 1135        | 314         | 61           | 61         | 91          | 35         | 13           |
| Chemical         | 542         | 186         | 44           | 44         | 98          | 55         | 26           |
| Civil            | 1152        | 207         | 64           | 64         | 226         | 91         | 41           |
| C S & E          | 1180        | 211         | 41           | 41         | 131         | 49         | 22           |
| Com Sci          | 720         | 188         | 57           | 57         | 228         | 48         | 22           |
| Electrical       | 777         | 383         | 126          | 126        | 259         | 131        | 70           |
| Mechanical       | 1324        | 294         | 83           | 83         | 242         | 91         | 46           |
| Materials        | 141         | 87          | 25           | 25         | 24          | 13         | 8            |
| <b>Total</b>     | <b>7774</b> | <b>2031</b> | <b>550</b>   | <b>550</b> | <b>1381</b> | <b>533</b> | <b>259</b>   |

|                  | Freshmen    |             |            | Transfers   |            |            |
|------------------|-------------|-------------|------------|-------------|------------|------------|
|                  | Apps        | Admits      | Enrolled   | Apps        | Admits     | Enrolled   |
| <b>2007-2008</b> |             |             |            |             |            |            |
| Aerospace        | 633         | 146         | 60         | 48          | 25         | 16         |
| Bioengineering   | 949         | 308         | 61         | 79          | 40         | 12         |
| Chemical         | 516         | 278         | 121        | 112         | 67         | 33         |
| Civil            | 999         | 187         | 63         | 149         | 79         | 38         |
| C S & E          | 1018        | 258         | 91         | 105         | 37         | 20         |
| Com Sci          | 603         | 155         | 71         | 164         | 61         | 26         |
| Electrical       | 777         | 407         | 157        | 206         | 108        | 46         |
| Mechanical       | 1150        | 330         | 130        | 184         | 98         | 45         |
| Materials        | 113         | 67          | 29         | 18          | 9          | 1          |
| <b>Total</b>     | <b>6758</b> | <b>2136</b> | <b>783</b> | <b>1065</b> | <b>524</b> | <b>237</b> |

|                  | Freshmen    |             |            | Transfers   |            |            |
|------------------|-------------|-------------|------------|-------------|------------|------------|
|                  | Apps        | Admits      | Enrolled   | Apps        | Admits     | Enrolled   |
| <b>2006-2007</b> |             |             |            |             |            |            |
| Aerospace        | 687         | 142         | 45         | 57          | 23         | 11         |
| Bioengineering   | 960         | 317         | 63         | 72          | 19         | 4          |
| Chemical         | 505         | 226         | 72         | 81          | 43         | 20         |
| Civil            | 889         | 129         | 38         | 156         | 56         | 26         |
| C S & E          | 970         | 219         | 71         | 110         | 32         | 13         |
| Com Sci          | 539         | 123         | 38         | 162         | 44         | 17         |
| Electrical       | 672         | 273         | 82         | 226         | 96         | 51         |
| Mechanical       | 1021        | 226         | 62         | 188         | 80         | 38         |
| Materials        | 113         | 60          | 16         | 17          | 7          | 5          |
| <b>Total</b>     | <b>6356</b> | <b>1715</b> | <b>487</b> | <b>1069</b> | <b>400</b> | <b>185</b> |

### Graduate Admission Statistics

|                  | Applicants  |             | Admissions |            | Enrollments |            | Positive SIR |            |
|------------------|-------------|-------------|------------|------------|-------------|------------|--------------|------------|
|                  | Domestic    | Foreign     | Domestic   | Foreign    | Domestic    | Foreign    | Domestic     | Foreign    |
| <b>2008-2009</b> |             |             |            |            |             |            |              |            |
| Aerospace        | 59          | 30          | 43         | 5          | 17          | 2          | 17           | 2          |
| Biomedical       | 110         | 81          | 77         | 45         | 29          | 10         | 29           | 10         |
| Chemical         | 81          | 119         | 36         | 5          | 11          | 3          | 11           | 3          |
| Civil            | 83          | 108         | 65         | 55         | 31          | 22         | 31           | 22         |
| Comp Sci         | 193         | 557         | 122        | 98         | 53          | 49         | 53           | 49         |
| Electrical       | 263         | 836         | 170        | 193        | 88          | 78         | 88           | 78         |
| Mechanical       | 149         | 159         | 106        | 41         | 41          | 30         | 41           | 30         |
| M S & E          | 38          | 120         | 24         | 25         | 11          | 9          | 11           | 9          |
| Manufacturing    | 1           | 3           | 1          | 0          | 1           | 0          | 1            | 0          |
| MS Online        | 139         | 0           | 93         | 0          | 87          | 0          | 87           | 0          |
| <b>Total</b>     | <b>1116</b> | <b>2013</b> | <b>737</b> | <b>467</b> | <b>369</b>  | <b>203</b> | <b>369</b>   | <b>203</b> |
| %Foreign         |             | 64.30%      |            | 38.70%     |             | 32.10%     |              | 32.10%     |
| <b>2007-2008</b> |             |             |            |            |             |            |              |            |
| Aerospace        | 60          | 33          | 51         | 3          | 27          | 2          |              |            |
| Biomedical       | 132         | 74          | 82         | 38         | 30          | 13         |              |            |
| Chemical         | 63          | 131         | 32         | 11         | 7           | 5          |              |            |
| Civil            | 104         | 108         | 82         | 49         | 32          | 19         |              |            |
| Comp Sci         | 220         | 593         | 184        | 92         | 94          | 51         |              |            |
| Electrical       | 289         | 915         | 139        | 107        | 45          | 34         |              |            |
| Mechanical       | 148         | 199         | 132        | 26         | 60          | 17         |              |            |
| M S & E          | 33          | 123         | 30         | 64         | 14          | 21         |              |            |
| Manufacturing    | 1           | 0           | 1          | 0          | 0           | 0          |              |            |
| MS Online        | 94          | 7           | 75         | 0          | 67          | 0          |              |            |
| <b>Total</b>     | <b>1144</b> | <b>2183</b> | <b>808</b> | <b>390</b> | <b>376</b>  | <b>162</b> |              |            |
| %Foreign         |             |             |            |            |             |            |              |            |
| <b>2006-2007</b> |             |             |            |            |             |            |              |            |
| Aerospace        | 49          | 28          | 41         | 7          | 17          | 4          |              |            |
| Biomedical       | 157         | 53          | 73         | 27         | 19          | 7          |              |            |
| Chemical         | 56          | 92          | 31         | 13         | 9           | 8          |              |            |
| Civil            | 90          | 82          | 71         | 46         | 30          | 12         |              |            |
| Comp Sci         | 211         | 518         | 163        | 55         | 68          | 24         |              |            |
| Electrical       | 317         | 806         | 140        | 141        | 42          | 57         |              |            |
| Mechanical       | 140         | 181         | 117        | 30         | 57          | 17         |              |            |
| M S & E          | 40          | 88          | 29         | 55         | 8           | 22         |              |            |
| Manufacturing    | 3           | 4           | 2          | 0          | 1           | 0          |              |            |
| <b>Total</b>     | <b>1063</b> | <b>1852</b> | <b>667</b> | <b>374</b> | <b>251</b>  | <b>151</b> |              |            |
| %Foreign         |             | 63.50%      |            | 35.90%     |             | 37.60%     |              |            |

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Undergraduate  
 Foreign, Minorities, Women

|      | <b>Total<br/>Enrolled</b> | <b>Women</b>  |                | <b>Minorities</b> |                | <b>Foreign</b> |                |
|------|---------------------------|---------------|----------------|-------------------|----------------|----------------|----------------|
|      |                           | <b>Number</b> | <b>Percent</b> | <b>Number</b>     | <b>Percent</b> | <b>Number</b>  | <b>Percent</b> |
| 2008 | 3006                      | 574           | 19.10%         | 282               | 9.38%          | 255            | 8.48%          |
| 2007 | 2783                      | 521           | 18.72%         | 256               | 9.20%          | 182            | 6.54%          |
| 2006 | 2313                      | 431           | 18.63%         | 200               | 8.65%          | 123            | 5.32%          |

Gender Breakdown by Major

| <b>Fall 2008</b>        | <b>Female</b> | <b>Male</b> |
|-------------------------|---------------|-------------|
| Aerospace Engineering   | 30            | 195         |
| Bioengineering          | 87            | 152         |
| Chemical Engineering    | 142           | 241         |
| Civil Engineering       | 108           | 253         |
| Computer Science        | 29            | 245         |
| Computer Science & Engr | 27            | 247         |
| Electrical Engineering  | 80            | 580         |
| Materials Engineering   | 15            | 66          |
| Mechanical Engineering  | 56            | 453         |
| <b>TOTAL</b>            | <b>574</b>    | <b>2432</b> |



Henry Samueli School of Engineering and Applied Science  
 University of California, Los Angeles

Graduate  
 Foreign, Minorities, Women

|      | <b>Total<br/>Enrolled</b> | <b>Women</b>  |                | <b>Minorities</b> |                | <b>Foreign</b> |                |
|------|---------------------------|---------------|----------------|-------------------|----------------|----------------|----------------|
|      |                           | <b>Number</b> | <b>Percent</b> | <b>Number</b>     | <b>Percent</b> | <b>Number</b>  | <b>Percent</b> |
| 2008 | 1502                      | 275           | 18.31%         | 77                | 5.12%          | 540            | 35.95%         |
| 2007 | 1388                      | 260           | 18.73%         | 75                | 5.40%          | 501            | 36.10%         |
| 2006 | 1295                      | 264           | 20.39%         | 50                | 3.86%          | 516            | 39.85%         |

Gender Breakdown by Major

| <b>Fall 2008</b>  | <b>Female</b> | <b>Male</b> |
|-------------------|---------------|-------------|
| Master's          |               |             |
| Aerospace         | 1             | 22          |
| Engineering       |               |             |
| Biomedical        | 10            | 26          |
| Engineering       |               |             |
| Chemical          | 3             | 4           |
| Engineering       |               |             |
| Civil and         | 25            | 28          |
| Environmental     |               |             |
| Ener.             |               |             |
| Computer Science  | 21            | 133         |
| Electrical        | 23            | 141         |
| Materials Science | 7             | 10          |
| Engineering       |               |             |
| Manufacturing     | 0             | 0           |
| Mechanical        | 11            | 67          |
| Engineering       |               |             |
| MS Online         | 29            | 120         |
| Sub-Total         | 130           | 551         |
|                   | <b>Female</b> | <b>Male</b> |
| Ph.D.             |               |             |
| Aerospace         | 3             | 28          |
| Engineering       |               |             |
| Biomedical        | 25            | 56          |
| Engineering       |               |             |
| Chemical          | 19            | 47          |
| Engineering       |               |             |
| Civil and         | 21            | 38          |
| Environmental     |               |             |
| Ener.             |               |             |
| Computer Science  | 20            | 169         |
| Electrical        | 22            | 185         |
| Materials Science | 15            | 50          |
| Engineering       |               |             |
| Manufacturing     | 0             | 0           |
| Mechanical        | 20            | 103         |
| Engineering       |               |             |
| Sub-Total         | 145           | 676         |
| <b>TOTAL</b>      | <b>275</b>    | <b>1227</b> |

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M.S. & Ph.D. Graduate – Foreign & Domestic

|      | <b>Total</b> |            | <b>Domestic</b> |            | <b>Foreign</b> |            |
|------|--------------|------------|-----------------|------------|----------------|------------|
|      | <b>MS</b>    | <b>PhD</b> | <b>MS</b>       | <b>PhD</b> | <b>MS</b>      | <b>PhD</b> |
| 2008 | 681          | 821        | 542             | 420        | 139            | 401        |
| 2007 | 606          | 782        | 488             | 399        | 118            | 383        |
| 2006 | 495          | 800        | 389             | 390        | 106            | 410        |

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Undergraduate- Degrees Awarded by Major

|                   | <b>2005-<br/>2006</b> | <b>2006-<br/>2007</b> | <b>2007-<br/>2008</b> |
|-------------------|-----------------------|-----------------------|-----------------------|
| <b>B.S. TOTAL</b> | <b>537</b>            | <b>519</b>            | <b>461</b>            |
| Aerospace         | 46                    | 42                    | 36                    |
| Bioengineering*   | 0                     | 6                     | 26                    |
| Chemical          | 53                    | 57                    | 47                    |
| Civil             | 51                    | 64                    | 45                    |
| Computer Science  | 62                    | 62                    | 51                    |
| Com Sci & Engr    | 73                    | 68                    | 40                    |
| Electrical        | 147                   | 121                   | 109                   |
| Materials         | 21                    | 18                    | 15                    |
| Mechanical        | 84                    | 81                    | 92                    |

\*new undergraduate major as of Fall 2004

Graduate- Degrees Awarded by Major

|                    | <b>2005-<br/>2006</b> | <b>2006-<br/>2007</b> | <b>2007-<br/>2008</b> |
|--------------------|-----------------------|-----------------------|-----------------------|
| <b>M.S. TOTAL</b>  | <b>307</b>            | <b>284</b>            | <b>324</b>            |
| (breakdown)        |                       |                       |                       |
| Aerospace          | 8                     | 17                    | 14                    |
| Biomedical         | 39                    | 26                    | 22                    |
| Chemical Eng       | 8                     | 8                     | 10                    |
| Civil Engineering  | 40                    | 40                    | 44                    |
| Computer Science   | 65                    | 47                    | 66                    |
| Electrical         | 82                    | 80                    | 81                    |
| Manufacturing      | 0                     | 1                     | 1                     |
| Materials Science  | 11                    | 14                    | 15                    |
| Mechanical         | 54                    | 51                    | 71                    |
| <b>Ph.D. TOTAL</b> | <b>142</b>            | <b>157</b>            | <b>134</b>            |
| (breakdown)        |                       |                       |                       |
| Aerospace          | 2                     | 0                     | 5                     |
| Biomedical         | 16                    | 13                    | 22                    |
| Chemical Eng       | 5                     | 15                    | 7                     |
| Civil Engineering  | 15                    | 7                     | 11                    |
| Computer Science   | 35                    | 27                    | 18                    |
| Electrical         | 36                    | 56                    | 36                    |
| Manufacturing      | 0                     | 0                     | 0                     |
| Materials Science  | 12                    | 15                    | 11                    |
| Mechanical         | 21                    | 24                    | 24                    |
| Nuclear            | 0                     | 0                     | 0                     |
| Engineer Degree    | 4                     | 2                     | 3                     |
| <b>GRAD TOTAL</b>  | <b>453</b>            | <b>443</b>            | <b>458</b>            |