

**ACT Student Opinion Survey Demographics  
Mechanical Engineering Majors**

|                                  | 2000      |         | 2001      |         | 2002      |         | 2003      |         | 2004      |         |
|----------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
|                                  | Count     | Percent | Count     | Percent | Count     | Percent | Count     | Percent | Count     | Percent |
| <b>Age</b>                       |           |         |           |         |           |         |           |         |           |         |
| 18 or Under                      | 6         | 18.2%   |           | 0.0%    | 3         | 9.7%    |           | 0.0%    | 3         | 20.0%   |
| 19                               | 7         | 21.2%   | 3         | 11.5%   | 7         | 22.6%   | 2         | 6.1%    | 2         | 13.3%   |
| 20                               | 7         | 21.2%   | 4         | 15.4%   | 6         | 19.4%   | 11        | 33.3%   | 2         | 13.3%   |
| 21                               | 5         | 15.2%   | 5         | 19.2%   | 5         | 16.1%   | 4         | 12.1%   |           | 0.0%    |
| 22                               | 4         | 12.1%   | 6         | 23.1%   | 4         | 12.9%   | 5         | 15.2%   | 4         | 26.7%   |
| 23 to 25                         | 3         | 9.1%    | 5         | 19.2%   | 3         | 9.7%    | 9         | 27.3%   | 3         | 20.0%   |
| 26 to 29                         | 1         | 3.0%    | 2         | 7.7%    |           | 0.0%    | 1         | 3.0%    | 1         | 6.7%    |
| 30 to 39                         |           | 0.0%    | 1         | 3.8%    | 3         | 9.7%    | 1         | 3.0%    |           | 0.0%    |
| 40 to 61                         |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| 62 or Over                       |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| <b>Total</b>                     | <b>33</b> |         | <b>26</b> |         | <b>31</b> |         | <b>33</b> |         | <b>15</b> |         |
| <b>Race</b>                      |           |         |           |         |           |         |           |         |           |         |
| African American or Black        | 27        | 81.8%   | 25        | 96.2%   | 30        | 96.8%   | 29        | 87.9%   | 14        | 93.3%   |
| Native American                  |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| Caucasian or White               | 1         | 3.0%    |           | 0.0%    | 1         | 3.2%    | 1         | 3.0%    |           | 0.0%    |
| Mexican                          |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| Asian                            |           | 0.0%    |           | 0.0%    |           | 0.0%    | 2         | 6.1%    |           | 0.0%    |
| Hispanic                         |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    | 1         | 6.7%    |
| Other                            | 4         | 12.1%   |           | 0.0%    |           | 0.0%    | 1         | 3.0%    |           | 0.0%    |
| I prefer not to respond.         | 1         | 3.0%    | 1         | 3.8%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| <b>Total</b>                     | <b>33</b> |         | <b>26</b> |         | <b>31</b> |         | <b>33</b> |         | <b>15</b> |         |
| <b>Class</b>                     |           |         |           |         |           |         |           |         |           |         |
| Freshman                         | 10        | 30.3%   |           | 0.0%    | 4         | 12.9%   |           | 0.0%    | 4         | 26.7%   |
| Sophomore                        | 9         | 27.3%   | 5         | 19.2%   | 12        | 38.7%   | 5         | 15.2%   | 3         | 20.0%   |
| Junior                           | 7         | 21.2%   | 4         | 15.4%   | 9         | 29.0%   | 14        | 42.4%   | 2         | 13.3%   |
| Senior                           | 7         | 21.2%   | 17        | 65.4%   | 6         | 19.4%   | 14        | 42.4%   | 6         | 40.0%   |
| Graduate or Professional Student |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| Special Student                  |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| Other/Unclassified               |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| <b>Total</b>                     | <b>33</b> |         | <b>26</b> |         | <b>31</b> |         | <b>33</b> |         | <b>15</b> |         |

**ACT Student Opinion Survey Demographics  
Mechanical Engineering Majors**

|   | 2000      |         | 2001      |         | 2002      |         | 2003      |         | 2004      |         |
|---|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
|   | Count     | Percent | Count     | Percent | Count     | Percent | Count     | Percent | Count     | Percent |
| <b>Purpose</b>  |           |         |           |         |           |         |           |         |           |         |
| No Definite Purpose in Mind                                   | 1         | 3.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    | 2         | 13.3%   |
| To Take a Few Job-Related Courses                             |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| To Take a Few Courses for Self-Improvement                    |           | 0.0%    |           | 0.0%    |           | 0.0%    | 1         | 3.0%    |           | 0.0%    |
| To Take Courses Necessary for Transferring to Another College | 1         | 3.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| To Obtain or Maintain a Certification                         |           | 0.0%    |           | 0.0%    |           | 0.0%    | 1         | 3.0%    |           | 0.0%    |
| To Complete a Vocational/Technical Program                    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| To Obtain an Associate Degree                                 |           | 0.0%    | 3         | 11.5%   |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| To Obtain a Bachelor's Degree                                 | 30        | 90.9%   | 23        | 88.5%   | 29        | 93.5%   | 30        | 90.9%   | 12        | 80.0%   |
| To Obtain a Master's Degree                                   | 1         | 3.0%    |           | 0.0%    | 2         | 6.5%    | 1         | 3.0%    | 1         | 6.7%    |
| To Obtain a Doctorate or Professional Degree                  |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| <b>Total</b>  | <b>33</b> |         | <b>26</b> |         | <b>31</b> |         | <b>33</b> |         | <b>15</b> |         |
| <b>Sex</b>  |           |         |           |         |           |         |           |         |           |         |
| Male  | 25        | 75.8%   | 20        | 76.9%   | 25        | 80.6%   | 23        | 69.7%   | 11        | 73.3%   |
| Female  | 8         | 24.2%   | 6         | 23.1%   | 6         | 19.4%   | 10        | 30.3%   | 4         | 26.7%   |
| <b>Total</b>  | <b>33</b> |         | <b>26</b> |         | <b>31</b> |         | <b>33</b> |         | <b>15</b> |         |
| <b>Marital Status</b>   |           |         |           |         |           |         |           |         |           |         |
| Unmarried   | 33        | 100.0%  | 24        | 92.3%   | 28        | 90.3%   | 32        | 97.0%   | 15        | 100.0%  |
| Married   |           | 0.0%    | 2         | 7.7%    | 3         | 9.7%    | 1         | 3.0%    |           | 0.0%    |
| Separated   |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| Prefer not to respond.  |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| <b>Total</b>  | <b>33</b> |         | <b>26</b> |         | <b>31</b> |         | <b>33</b> |         | <b>15</b> |         |
| <b>Hours Employed</b>   |           |         |           |         |           |         |           |         |           |         |
| 0 or Only Occasional Jobs                                     | 18        | 54.5%   | 14        | 53.8%   | 19        | 61.3%   | 13        | 39.4%   | 3         | 20.0%   |
| 1 to 10   | 1         | 3.0%    | 1         | 3.8%    | 3         | 9.7%    | 5         | 15.2%   | 2         | 13.3%   |
| 11 to 20  | 11        | 33.3%   | 3         | 11.5%   | 5         | 16.1%   | 7         | 21.2%   | 4         | 26.7%   |
| 21 to 30  | 3         | 9.1%    | 3         | 11.5%   | 2         | 6.5%    | 6         | 18.2%   | 4         | 26.7%   |
| 31 to 40  |           | 0.0%    | 3         | 11.5%   | 2         | 6.5%    | 2         | 6.1%    | 1         | 6.7%    |
| Over 40   |           | 0.0%    | 2         | 7.7%    |           | 0.0%    |           | 0.0%    | 1         | 6.7%    |
| <b>Total</b>  | <b>33</b> |         | <b>26</b> |         | <b>31</b> |         | <b>33</b> |         | <b>15</b> |         |

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|                                 | 2000      |         | 2001      |         | 2002      |         | 2003      |         | 2004      |         |
|---------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
|                                 | Count     | Percent | Count     | Percent | Count     | Percent | Count     | Percent | Count     | Percent |
| <b>Enrollment Status</b>        |           |         |           |         |           |         |           |         |           |         |
| Full-time                       | 33        | 100.0%  | 24        | 92.3%   | 30        | 96.8%   | 32        | 97.0%   | 15        | 100.0%  |
| Part-time                       |           | 0.0%    | 2         | 7.7%    | 1         | 3.2%    | 1         | 3.0%    |           | 0.0%    |
| <b>Total</b>                    | <b>33</b> |         | <b>26</b> |         | <b>31</b> |         | <b>33</b> |         | <b>15</b> |         |
| <b>Residence</b>                |           |         |           |         |           |         |           |         |           |         |
| In-State                        | 22        | 66.7%   | 21        | 80.8%   | 25        | 80.6%   | 31        | 93.9%   | 11        | 73.3%   |
| Out-of-State                    | 7         | 21.2%   | 5         | 19.2%   | 6         | 19.4%   | 2         | 6.1%    | 4         | 26.7%   |
| International                   | 4         | 12.1%   |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| <b>Total</b>                    | <b>33</b> |         | <b>26</b> |         | <b>31</b> |         | <b>33</b> |         | <b>15</b> |         |
| <b>Prior School Type</b>        |           |         |           |         |           |         |           |         |           |         |
| High School                     | 27        | 84.4%   | 21        | 80.8%   | 26        | 83.9%   | 28        | 84.8%   | 13        | 86.7%   |
| Vocational/Technical School     |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| 2-Year College                  | 3         | 9.4%    |           | 0.0%    | 1         | 3.2%    | 2         | 6.1%    | 1         | 6.7%    |
| 4-Year College or University    | 2         | 6.3%    | 4         | 15.4%   | 3         | 9.7%    | 3         | 9.1%    | 1         | 6.7%    |
| Graduate/Professional College   |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| Other                           |           | 0.0%    | 1         | 3.8%    | 1         | 3.2%    |           | 0.0%    |           | 0.0%    |
| <b>Total</b>                    | <b>32</b> |         | <b>26</b> |         | <b>31</b> |         | <b>33</b> |         | <b>15</b> |         |
| <b>Current Residence Type</b>   |           |         |           |         |           |         |           |         |           |         |
| College Residence Hall          | 16        | 48.5%   | 4         | 15.4%   | 19        | 61.3%   | 5         | 15.2%   | 6         | 40.0%   |
| Fraternity or Sorority House    |           | 0.0%    |           | 0.0%    |           | 0.0%    | 1         | 3.0%    |           | 0.0%    |
| College Married Student Housing |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| Off-Campus Room or Apartment    | 11        | 33.3%   | 7         | 26.9%   | 1         | 3.2%    | 8         | 24.2%   | 3         | 20.0%   |
| Home of Parents or Relatives    | 4         | 12.1%   | 12        | 46.2%   | 8         | 25.8%   | 17        | 51.5%   | 5         | 33.3%   |
| Own Home                        |           | 0.0%    | 3         | 11.5%   | 3         | 9.7%    | 2         | 6.1%    | 1         | 6.7%    |
| Other                           | 2         | 6.1%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |           | 0.0%    |
| <b>Total</b>                    | <b>33</b> |         | <b>26</b> |         | <b>31</b> |         | <b>33</b> |         | <b>15</b> |         |
| <b>Financial Aid</b>            |           |         |           |         |           |         |           |         |           |         |
| Yes                             | 24        | 72.7%   | 20        | 76.9%   | 28        | 90.3%   | 29        | 87.9%   | 10        | 66.7%   |
| No                              | 9         | 27.3%   | 6         | 23.1%   | 3         | 9.7%    | 4         | 12.1%   | 5         | 33.3%   |
| <b>Total</b>                    | <b>33</b> |         | <b>26</b> |         | <b>31</b> |         | <b>33</b> |         | <b>15</b> |         |

**ACT Student Opinion Survey  
Use of College Services  
Mechanical Engineering Majors**

**Use of Service**

| Year   | <i>Not Available</i> |         | <i>Not Used</i> |         | <i>Used</i> |         | Total |
|--|----------------------|---------|-----------------|---------|-------------|---------|-------|
|  | Count                | Percent | Count           | Percent | Count       | Percent |       |
| <b>1. Academic Advising Services</b>           |                      |         |                 |         |             |         |       |
| 2000   |                      | 0.0%    | 7               | 25.0%   | 21          | 75.0%   | 28    |
| 2001   |                      | 0.0%    | 3               | 13.0%   | 20          | 87.0%   | 23    |
| 2002   |                      | 0.0%    | 5               | 16.7%   | 25          | 83.3%   | 30    |
| 2003   | 1                    | 3.2%    | 4               | 12.9%   | 26          | 83.9%   | 31    |
| 2004   |                      | 0.0%    | 5               | 35.7%   | 9           | 64.3%   | 14    |
| <b>9. College-Sponsored tutorial services</b>  |                      |         |                 |         |             |         |       |
| 2000   | 1                    | 3.4%    | 20              | 69.0%   | 8           | 27.6%   | 29    |
| 2001   |                      | 0.0%    | 15              | 62.5%   | 9           | 37.5%   | 24    |
| 2002   |                      | 0.0%    | 25              | 83.3%   | 5           | 16.7%   | 30    |
| 2003   |                      | 0.0%    | 23              | 71.9%   | 9           | 28.1%   | 32    |
| 2004   |                      | 0.0%    | 9               | 64.3%   | 5           | 35.7%   | 14    |
| <b>14. College-sponsored social activities</b> |                      |         |                 |         |             |         |       |
| 2000   |                      | 0.0%    | 8               | 27.6%   | 21          | 72.4%   | 29    |
| 2001   |                      | 0.0%    | 8               | 33.3%   | 16          | 66.7%   | 24    |
| 2002   |                      | 0.0%    | 10              | 32.3%   | 21          | 67.7%   | 31    |
| 2003   |                      | 0.0%    | 10              | 32.3%   | 21          | 67.7%   | 31    |
| 2004   |                      | 0.0%    | 5               | 35.7%   | 9           | 64.3%   | 14    |

**ACT Student Opinion Survey  
Satisfaction with College Services  
Mechanical Engineering Majors**

**Satisfaction with Service**

**5 = Very Satisfied      4 = Satisfied      3 = Neutral      2 = Dissatisfied      1 = Very Dissatisfied**

| Year   | Count | Percent | Count | Percent | Count | Percent | Count | Percent | Count | Percent | Total | Average | SD  |
|--|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-----|
| <b>1. Academic Advising Services</b>           |       |         |       |         |       |         |       |         |       |         |       |         |     |
| 2000   | 1     | 5.0%    | 13    | 65.0%   | 5     | 25.0%   | 1     | 5.0%    |       | 0.0%    | 20    | 3.7     | 0.7 |
| 2001   |       | 0.0%    | 11    | 55.0%   | 6     | 30.0%   | 2     | 10.0%   | 1     | 5.0%    | 20    | 3.4     | 0.9 |
| 2002   | 1     | 4.0%    | 11    | 44.0%   | 8     | 32.0%   | 5     | 20.0%   |       | 0.0%    | 25    | 3.3     | 0.9 |
| 2003   | 1     | 4.0%    | 14    | 56.0%   | 6     | 24.0%   | 4     | 16.0%   |       | 0.0%    | 25    | 3.5     | 0.8 |
| 2004   | 2     | 22.2%   | 6     | 66.7%   | 1     | 11.1%   |       | 0.0%    |       | 0.0%    | 9     | 4.1     | 0.6 |
| <b>9. College-Sponsored tutorial services</b>  |       |         |       |         |       |         |       |         |       |         |       |         |     |
| 2000   | 2     | 28.6%   | 4     | 57.1%   |       | 0.0%    | 1     | 14.3%   |       | 0.0%    | 7     | 4.0     | 1.0 |
| 2001   |       | 0.0%    | 5     | 55.6%   | 2     | 22.2%   | 2     | 22.2%   |       | 0.0%    | 9     | 3.3     | 0.9 |
| 2002   |       | 0.0%    | 3     | 60.0%   | 1     | 20.0%   | 1     | 20.0%   |       | 0.0%    | 5     | 3.4     | 0.9 |
| 2003   |       | 0.0%    | 3     | 37.5%   | 5     | 62.5%   |       | 0.0%    |       | 0.0%    | 8     | 3.4     | 0.5 |
| 2004   |       | 0.0%    | 2     | 50.0%   | 1     | 25.0%   | 1     | 25.0%   |       | 0.0%    | 4     | 3.3     | 1.0 |
| <b>14. College-sponsored social activities</b> |       |         |       |         |       |         |       |         |       |         |       |         |     |
| 2000   | 2     | 10.5%   | 14    | 73.7%   | 3     | 15.8%   |       | 0.0%    |       | 0.0%    | 19    | 3.9     | 0.5 |
| 2001   |       | 0.0%    | 12    | 75.0%   | 2     | 12.5%   | 1     | 6.3%    | 1     | 6.3%    | 16    | 3.6     | 0.9 |
| 2002   | 1     | 4.8%    | 14    | 66.7%   | 5     | 23.8%   | 1     | 4.8%    |       | 0.0%    | 21    | 3.7     | 0.6 |
| 2003   | 3     | 15.0%   | 9     | 45.0%   | 8     | 40.0%   |       | 0.0%    |       | 0.0%    | 20    | 3.8     | 0.7 |
| 2004   | 1     | 11.1%   | 8     | 88.9%   |       | 0.0%    |       | 0.0%    |       | 0.0%    | 9     | 4.1     | 0.3 |

**ACT Student Opinion Survey  
Satisfaction with College Environment  
Mechanical Engineering Majors**

| Year  | <b>5 = Very Satisfied</b> |         | <b>4 = Satisfied</b> |         | <b>3 = Neutral</b> |         | <b>2 = Dissatisfied</b> |         | <b>1 = Very Dissatisfied</b> |         | Total | Average | SD  |
|---|---------------------------|---------|----------------------|---------|--------------------|---------|-------------------------|---------|------------------------------|---------|-------|---------|-----|
|   | Count                     | Percent | Count                | Percent | Count              | Percent | Count                   | Percent | Count                        | Percent |       |         |     |
| <b>1. Testing/grading system</b>                        |                           |         |                      |         |                    |         |                         |         |                              |         |       |         |     |
| 2000  | 5                         | 16.7%   | 18                   | 60.0%   | 4                  | 13.3%   | 3                       | 10.0%   |                              | 0.0%    | 30    | 3.8     | 0.8 |
| 2001  | 4                         | 15.4%   | 16                   | 61.5%   | 4                  | 15.4%   | 1                       | 3.8%    | 1                            | 3.8%    | 26    | 3.8     | 0.9 |
| 2002  | 1                         | 3.2%    | 20                   | 64.5%   | 8                  | 25.8%   | 2                       | 6.5%    |                              | 0.0%    | 31    | 3.6     | 0.7 |
| 2003  | 2                         | 6.1%    | 21                   | 63.6%   | 8                  | 24.2%   | 2                       | 6.1%    |                              | 0.0%    | 33    | 3.7     | 0.7 |
| 2004  | 1                         | 6.7%    | 11                   | 73.3%   | 3                  | 20.0%   |                         | 0.0%    |                              | 0.0%    | 15    | 3.9     | 0.5 |
| <b>2. Course content in your major field</b>            |                           |         |                      |         |                    |         |                         |         |                              |         |       |         |     |
| 2000  | 4                         | 12.9%   | 18                   | 58.1%   | 5                  | 16.1%   | 3                       | 9.7%    | 1                            | 3.2%    | 31    | 3.7     | 0.9 |
| 2001  | 2                         | 7.7%    | 22                   | 84.6%   | 1                  | 3.8%    | 1                       | 3.8%    |                              | 0.0%    | 26    | 4.0     | 0.5 |
| 2002  | 5                         | 16.1%   | 20                   | 64.5%   | 2                  | 6.5%    | 4                       | 12.9%   |                              | 0.0%    | 31    | 3.8     | 0.9 |
| 2003  |                           | 0.0%    | 23                   | 69.7%   | 6                  | 18.2%   | 2                       | 6.1%    | 2                            | 6.1%    | 33    | 3.5     | 0.9 |
| 2004  |                           | 0.0%    | 13                   | 86.7%   | 2                  | 13.3%   |                         | 0.0%    |                              | 0.0%    | 15    | 3.9     | 0.4 |
| <b>3. Instruction in your major field</b>               |                           |         |                      |         |                    |         |                         |         |                              |         |       |         |     |
| 2000  | 3                         | 10.0%   | 16                   | 53.3%   | 7                  | 23.3%   | 2                       | 6.7%    | 2                            | 6.7%    | 30    | 3.5     | 1.0 |
| 2001  | 1                         | 3.8%    | 21                   | 80.8%   | 3                  | 11.5%   | 1                       | 3.8%    |                              | 0.0%    | 26    | 3.8     | 0.5 |
| 2002  | 4                         | 13.3%   | 14                   | 46.7%   | 10                 | 33.3%   | 2                       | 6.7%    |                              | 0.0%    | 30    | 3.7     | 0.8 |
| 2003  |                           | 0.0%    | 17                   | 51.5%   | 9                  | 27.3%   | 7                       | 21.2%   |                              | 0.0%    | 33    | 3.3     | 0.8 |
| 2004  |                           | 0.0%    | 12                   | 85.7%   | 2                  | 14.3%   |                         | 0.0%    |                              | 0.0%    | 14    | 3.9     | 0.4 |
| <b>4. Out-of-class availability of your instructors</b> |                           |         |                      |         |                    |         |                         |         |                              |         |       |         |     |
| 2000  | 2                         | 6.5%    | 14                   | 45.2%   | 11                 | 35.5%   | 2                       | 6.5%    | 2                            | 6.5%    | 31    | 3.4     | 1.0 |
| 2001  | 2                         | 8.0%    | 16                   | 64.0%   | 2                  | 8.0%    | 4                       | 16.0%   | 1                            | 4.0%    | 25    | 3.6     | 1.0 |
| 2002  | 2                         | 6.5%    | 18                   | 58.1%   | 6                  | 19.4%   | 5                       | 16.1%   |                              | 0.0%    | 31    | 3.5     | 0.9 |
| 2003  | 4                         | 12.1%   | 10                   | 30.3%   | 15                 | 45.5%   | 4                       | 12.1%   |                              | 0.0%    | 33    | 3.4     | 0.9 |
| 2004  | 1                         | 6.7%    | 8                    | 53.3%   | 5                  | 33.3%   | 1                       | 6.7%    |                              | 0.0%    | 15    | 3.6     | 0.7 |
| <b>5. Attitude of the faculty toward students</b>       |                           |         |                      |         |                    |         |                         |         |                              |         |       |         |     |
| 2000  |                           | 0.0%    | 15                   | 50.0%   | 9                  | 30.0%   | 2                       | 6.7%    | 4                            | 13.3%   | 30    | 3.2     | 1.1 |
| 2001  | 2                         | 7.7%    | 14                   | 53.8%   | 6                  | 23.1%   | 3                       | 11.5%   | 1                            | 3.8%    | 26    | 3.5     | 0.9 |
| 2002  | 2                         | 6.5%    | 17                   | 54.8%   | 7                  | 22.6%   | 5                       | 16.1%   |                              | 0.0%    | 31    | 3.5     | 0.9 |
| 2003  |                           | 0.0%    | 11                   | 33.3%   | 20                 | 60.6%   | 1                       | 3.0%    | 1                            | 3.0%    | 33    | 3.2     | 0.7 |
| 2004  | 1                         | 6.7%    | 7                    | 46.7%   | 5                  | 33.3%   | 1                       | 6.7%    | 1                            | 6.7%    | 15    | 3.4     | 1.0 |

**ACT Student Opinion Survey  
Satisfaction with College Environment  
Mechanical Engineering Majors**

**5 = Very Satisfied      4 = Satisfied      3 = Neutral      2 = Dissatisfied      1 = Very Dissatisfied**

| Year   | Count | Percent | Count | Percent | Count | Percent | Count | Percent | Count | Percent | Total | Average | SD  |
|--|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-----|
| <b>6. Variety of courses offered at this college</b>         |       |         |       |         |       |         |       |         |       |         |       |         |     |
| 2000   | 3     | 9.7%    | 16    | 51.6%   | 4     | 12.9%   | 6     | 19.4%   | 2     | 6.5%    | 31    | 3.4     | 1.1 |
| 2001   | 2     | 7.7%    | 15    | 57.7%   | 7     | 26.9%   | 1     | 3.8%    | 1     | 3.8%    | 26    | 3.6     | 0.9 |
| 2002   | 2     | 6.5%    | 18    | 58.1%   | 9     | 29.0%   | 2     | 6.5%    |       | 0.0%    | 31    | 3.6     | 0.7 |
| 2003   | 1     | 3.0%    | 16    | 48.5%   | 12    | 36.4%   | 3     | 9.1%    | 1     | 3.0%    | 33    | 3.4     | 0.8 |
| 2004   | 1     | 6.7%    | 8     | 53.3%   | 4     | 26.7%   | 2     | 13.3%   |       | 0.0%    | 15    | 3.5     | 0.8 |
| <b>7. Class size relative to the type of course</b>          |       |         |       |         |       |         |       |         |       |         |       |         |     |
| 2000   | 6     | 19.4%   | 19    | 61.3%   | 5     | 16.1%   | 1     | 3.2%    |       | 0.0%    | 31    | 4.0     | 0.7 |
| 2001   | 5     | 19.2%   | 17    | 65.4%   |       | 0.0%    | 3     | 11.5%   | 1     | 3.8%    | 26    | 3.8     | 1.0 |
| 2002   | 3     | 9.7%    | 19    | 61.3%   | 6     | 19.4%   | 2     | 6.5%    | 1     | 3.2%    | 31    | 3.7     | 0.9 |
| 2003   | 4     | 12.5%   | 23    | 71.9%   | 5     | 15.6%   |       | 0.0%    |       | 0.0%    | 32    | 4.0     | 0.5 |
| 2004   | 3     | 20.0%   | 10    | 66.7%   | 2     | 13.3%   |       | 0.0%    |       | 0.0%    | 15    | 4.1     | 0.6 |
| <b>8. Flexibility to design your own program of study</b>    |       |         |       |         |       |         |       |         |       |         |       |         |     |
| 2000   | 2     | 6.7%    | 15    | 50.0%   | 10    | 33.3%   | 1     | 3.3%    | 2     | 6.7%    | 30    | 3.5     | 0.9 |
| 2001   |       | 0.0%    | 12    | 50.0%   | 10    | 41.7%   | 1     | 4.2%    | 1     | 4.2%    | 24    | 3.4     | 0.8 |
| 2002   | 1     | 3.3%    | 15    | 50.0%   | 13    | 43.3%   | 1     | 3.3%    |       | 0.0%    | 30    | 3.5     | 0.6 |
| 2003   | 1     | 3.1%    | 16    | 50.0%   | 11    | 34.4%   | 4     | 12.5%   |       | 0.0%    | 32    | 3.4     | 0.8 |
| 2004   |       | 0.0%    | 4     | 26.7%   | 10    | 66.7%   | 1     | 6.7%    |       | 0.0%    | 15    | 3.2     | 0.6 |
| <b>9. Availability of your advisor</b>                       |       |         |       |         |       |         |       |         |       |         |       |         |     |
| 2000   | 1     | 3.3%    | 12    | 40.0%   | 12    | 40.0%   | 1     | 3.3%    | 4     | 13.3%   | 30    | 3.2     | 1.1 |
| 2001   |       | 0.0%    | 15    | 60.0%   | 5     | 20.0%   | 4     | 16.0%   | 1     | 4.0%    | 25    | 3.4     | 0.9 |
| 2002   |       | 0.0%    | 19    | 61.3%   | 7     | 22.6%   | 4     | 12.9%   | 1     | 3.2%    | 31    | 3.4     | 0.8 |
| 2003   | 2     | 6.1%    | 14    | 42.4%   | 10    | 30.3%   | 6     | 18.2%   | 1     | 3.0%    | 33    | 3.3     | 1.0 |
| 2004   | 1     | 6.7%    | 7     | 46.7%   | 6     | 40.0%   | 1     | 6.7%    |       | 0.0%    | 15    | 3.5     | 0.7 |
| <b>10. Value of the information provided by your advisor</b> |       |         |       |         |       |         |       |         |       |         |       |         |     |
| 2000   | 2     | 6.7%    | 10    | 33.3%   | 9     | 30.0%   | 3     | 10.0%   | 6     | 20.0%   | 30    | 3.0     | 1.2 |
| 2001   | 1     | 4.0%    | 14    | 56.0%   | 7     | 28.0%   | 1     | 4.0%    | 2     | 8.0%    | 25    | 3.4     | 1.0 |
| 2002   | 1     | 3.2%    | 16    | 51.6%   | 8     | 25.8%   | 5     | 16.1%   | 1     | 3.2%    | 31    | 3.4     | 0.9 |
| 2003   | 2     | 6.1%    | 13    | 39.4%   | 11    | 33.3%   | 7     | 21.2%   |       | 0.0%    | 33    | 3.3     | 0.9 |
| 2004   | 2     | 13.3%   | 7     | 46.7%   | 5     | 33.3%   | 1     | 6.7%    |       | 0.0%    | 15    | 3.7     | 0.8 |

**ACT Student Opinion Survey  
Satisfaction with College Environment  
Mechanical Engineering Majors**

**5 = Very Satisfied      4 = Satisfied      3 = Neutral      2 = Dissatisfied      1 = Very Dissatisfied**

| Year   | Count | Percent | Count | Percent | Count | Percent | Count | Percent | Count | Percent | Total | Average | SD  |
|--|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-----|
| <b>11. Preparation you are receiving for your future occupation</b>        |       |         |       |         |       |         |       |         |       |         |       |         |     |
| 2000   |       | 0.0%    | 17    | 58.6%   | 7     | 24.1%   | 5     | 17.2%   |       | 0.0%    | 29    | 3.4     | 0.8 |
| 2001   | 1     | 3.8%    | 17    | 65.4%   | 5     | 19.2%   | 3     | 11.5%   |       | 0.0%    | 26    | 3.6     | 0.8 |
| 2002   | 4     | 12.9%   | 18    | 58.1%   | 7     | 22.6%   | 2     | 6.5%    |       | 0.0%    | 31    | 3.8     | 0.8 |
| 2003   | 1     | 3.0%    | 15    | 45.5%   | 12    | 36.4%   | 3     | 9.1%    | 2     | 6.1%    | 33    | 3.3     | 0.9 |
| 2004   |       | 0.0%    | 11    | 73.3%   | 4     | 26.7%   |       | 0.0%    |       | 0.0%    | 15    | 3.7     | 0.5 |
| <b>22. Classroom facilities</b>  |       |         |       |         |       |         |       |         |       |         |       |         |     |
| 2000   |       | 0.0%    | 13    | 41.9%   | 9     | 29.0%   | 8     | 25.8%   | 1     | 3.2%    | 31    | 3.1     | 0.9 |
| 2001   |       | 0.0%    | 10    | 38.5%   | 7     | 26.9%   | 7     | 26.9%   | 2     | 7.7%    | 26    | 3.0     | 1.0 |
| 2002   | 1     | 3.2%    | 15    | 48.4%   | 9     | 29.0%   | 5     | 16.1%   | 1     | 3.2%    | 31    | 3.3     | 0.9 |
| 2003   | 1     | 3.1%    | 21    | 65.6%   | 9     | 28.1%   | 1     | 3.1%    |       | 0.0%    | 32    | 3.7     | 0.6 |
| 2004   | 3     | 20.0%   | 10    | 66.7%   | 1     | 6.7%    | 1     | 6.7%    |       | 0.0%    | 15    | 4.0     | 0.8 |
| <b>23. Laboratory facilities</b>   |       |         |       |         |       |         |       |         |       |         |       |         |     |
| 2000   | 1     | 3.2%    | 17    | 54.8%   | 7     | 22.6%   | 4     | 12.9%   | 2     | 6.5%    | 31    | 3.4     | 1.0 |
| 2001   |       | 0.0%    | 9     | 36.0%   | 8     | 32.0%   | 6     | 24.0%   | 2     | 8.0%    | 25    | 3.0     | 1.0 |
| 2002   | 1     | 3.2%    | 6     | 19.4%   | 16    | 51.6%   | 6     | 19.4%   | 2     | 6.5%    | 31    | 2.9     | 0.9 |
| 2003   |       | 0.0%    | 17    | 53.1%   | 10    | 31.3%   | 5     | 15.6%   |       | 0.0%    | 32    | 3.4     | 0.8 |
| 2004   | 2     | 13.3%   | 7     | 46.7%   | 3     | 20.0%   | 3     | 20.0%   |       | 0.0%    | 15    | 3.5     | 1.0 |
| <b>31. Availability of the courses you want at times you can take them</b> |       |         |       |         |       |         |       |         |       |         |       |         |     |
| 2000   |       | 0.0%    | 5     | 16.1%   | 12    | 38.7%   | 10    | 32.3%   | 4     | 12.9%   | 31    | 2.6     | 0.9 |
| 2001   |       | 0.0%    | 10    | 38.5%   | 5     | 19.2%   | 6     | 23.1%   | 5     | 19.2%   | 26    | 2.8     | 1.2 |
| 2002   |       | 0.0%    | 9     | 30.0%   | 5     | 16.7%   | 11    | 36.7%   | 5     | 16.7%   | 30    | 2.6     | 1.1 |
| 2003   |       | 0.0%    | 4     | 12.5%   | 9     | 28.1%   | 13    | 40.6%   | 6     | 18.8%   | 32    | 2.3     | 0.9 |
| 2004   |       | 0.0%    | 3     | 20.0%   | 6     | 40.0%   | 6     | 40.0%   |       | 0.0%    | 15    | 2.8     | 0.8 |
| <b>35. Attitude of the college nonteaching staff toward students</b>       |       |         |       |         |       |         |       |         |       |         |       |         |     |
| 2000   |       | 0.0%    | 8     | 25.8%   | 12    | 38.7%   | 4     | 12.9%   | 7     | 22.6%   | 31    | 2.7     | 1.1 |
| 2001   |       | 0.0%    | 8     | 30.8%   | 11    | 42.3%   | 3     | 11.5%   | 4     | 15.4%   | 26    | 2.9     | 1.0 |
| 2002   |       | 0.0%    | 10    | 32.3%   | 10    | 32.3%   | 6     | 19.4%   | 5     | 16.1%   | 31    | 2.8     | 1.1 |
| 2003   | 1     | 3.2%    | 10    | 32.3%   | 16    | 51.6%   | 2     | 6.5%    | 2     | 6.5%    | 31    | 3.2     | 0.9 |
| 2004   |       | 0.0%    | 6     | 40.0%   | 3     | 20.0%   | 3     | 20.0%   | 3     | 20.0%   | 15    | 2.8     | 1.2 |
| <b>42. This college in general</b>   |       |         |       |         |       |         |       |         |       |         |       |         |     |
| 2000   | 2     | 6.3%    | 22    | 68.8%   | 3     | 9.4%    | 3     | 9.4%    | 2     | 6.3%    | 32    | 3.6     | 1.0 |
| 2001   | 1     | 4.0%    | 15    | 60.0%   | 8     | 32.0%   | 1     | 4.0%    |       | 0.0%    | 25    | 3.6     | 0.6 |
| 2002   | 1     | 3.2%    | 20    | 64.5%   | 6     | 19.4%   | 4     | 12.9%   |       | 0.0%    | 31    | 3.6     | 0.8 |
| 2003   | 3     | 9.4%    | 17    | 53.1%   | 8     | 25.0%   | 3     | 9.4%    | 1     | 3.1%    | 32    | 3.6     | 0.9 |

**ACT Student Opinion Survey  
Satisfaction with College Environment  
Mechanical Engineering Majors**

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|      |   |      |   |       |   |       |      |      |    |     |     |
|------|---|------|---|-------|---|-------|------|------|----|-----|-----|
| 2004 | 1 | 6.7% | 8 | 53.3% | 6 | 40.0% | 0.0% | 0.0% | 15 | 3.7 | 0.6 |
|------|---|------|---|-------|---|-------|------|------|----|-----|-----|

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**ACT Student Opinion Survey  
Louisiana Instructor Questions  
Mechanical Engineering Majors**

| Year  | <i>All of them know me well.</i> |         | <i>Many of them know me well.</i> |         | <i>Some know me well and some do not.</i> |         | <i>Only a few of them know me well.</i> |         | <i>None of them know me well.</i> |         | Total |
|-------|----------------------------------|---------|-----------------------------------|---------|---|---------|---|---------|-----------------------------------|---------|-------|
|       | Count                            | Percent | Count                             | Percent | Count                                     | Percent | Count                                   | Percent | Count                             | Percent |       |
| 2000* |                                  |         |                                   |         |   |         |   |         |                                   |         |       |
| 2001  | 1                                | 4.0%    | 9                                 | 36.0%   | 14  | 56.0%   | 1                                       | 4.0%    |                                   | 0.0%    | 25    |
| 2002  | 5                                | 16.1%   | 11                                | 35.5%   | 15  | 48.4%   |   | 0.0%    |                                   | 0.0%    | 31    |
| 2003  | 2                                | 6.5%    | 9                                 | 29.0%   | 10  | 32.3%   | 6                                       | 19.4%   | 4                                 | 12.9%   | 31    |
| 2004  |                                  | 0.0%    | 1                                 | 7.1%    | 5   | 35.7%   | 5                                       | 35.7%   | 3                                 | 21.4%   | 14    |

**7. How well do instructors in your program know you?**

| Year  | <i>Very Good</i> |         | <i>Good</i> |         | <i>Average</i> |         | <i>Poor</i> |         | <i>Very Poor</i> |         | Total |
|-------|------------------|---------|-------------|---------|----------------|---------|-------------|---------|------------------|---------|-------|
|       | Count            | Percent | Count       | Percent | Count          | Percent | Count       | Percent | Count            | Percent |       |
| 2000* |                  |         |             |         |                |         |             |         |                  |         |       |
| 2001  | 3                | 12.0%   | 9           | 36.0%   | 12             | 48.0%   | 1           | 4.0%    |                  | 0.0%    | 25    |
| 2002  | 2                | 6.5%    | 18          | 58.1%   | 9              | 29.0%   | 2           | 6.5%    |                  | 0.0%    | 31    |
| 2003  | 3                | 9.7%    | 11          | 35.5%   | 12             | 38.7%   | 5           | 16.1%   |                  | 0.0%    | 31    |
| 2004  | 1                | 7.1%    | 9           | 64.3%   | 4              | 28.6%   |             | 0.0%    |                  | 0.0%    | 14    |

**8. How would you rate the teaching ability of the instructors in your program?**

\*Less than 10 students responded to this question in this year.