<table>
<thead>
<tr>
<th>Item</th>
<th>Options</th>
<th>Responses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. When will you receive the B.A.E.M degree from the University of</td>
<td>2002</td>
<td>8 (100.0%)</td>
</tr>
<tr>
<td>Minnesota? Mean = 1.00 Median = 1.00 Standard Deviation = 0.00</td>
<td>2003</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td>Responses to item = 8 (80.0%)</td>
<td>Other</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td>2. My ed has prepared me to apply knowledge of math, science, eng</td>
<td>Strong Disagree</td>
<td></td>
</tr>
<tr>
<td>fundamentals... Mean = 4.00 Median = 4.25 Standard Deviation = 1.18</td>
<td>Neutral</td>
<td></td>
</tr>
<tr>
<td>Responses to item = 10 (100.0%)</td>
<td>Strongly Agree</td>
<td>4 (40.0%)</td>
</tr>
<tr>
<td>3. ...to design and conduct experiments and to analyze and interpret</td>
<td>Strongly Disagree</td>
<td></td>
</tr>
<tr>
<td>data. Mean = 4.00 Median = 4.07 Standard Deviation = 0.77</td>
<td>Neutral</td>
<td></td>
</tr>
<tr>
<td>Responses to item = 10 (100.0%)</td>
<td>Strongly Agree</td>
<td>7 (70.0%)</td>
</tr>
<tr>
<td>4. ...to design a system, component, or process to meet desired</td>
<td>Strongly Disagree</td>
<td></td>
</tr>
<tr>
<td>needs. Mean = 3.70 Median = 3.93 Standard Deviation = 1.00</td>
<td>Neutral</td>
<td></td>
</tr>
<tr>
<td>Responses to item = 10 (100.0%)</td>
<td>Strongly Agree</td>
<td>7 (70.0%)</td>
</tr>
<tr>
<td>5. ...to use modern tools (e.g. CAD) necessary for engineering</td>
<td>Strongly Disagree</td>
<td></td>
</tr>
<tr>
<td>practice. Mean = 3.70 Median = 3.50 Standard Deviation = 1.00</td>
<td>Neutral</td>
<td></td>
</tr>
<tr>
<td>Responses to item = 10 (100.0%)</td>
<td>Strongly Agree</td>
<td>3 (30.0%)</td>
</tr>
<tr>
<td>6. ...to identify, formulate and solve engineering problems. Mean</td>
<td>Strongly Disagree</td>
<td></td>
</tr>
<tr>
<td>= 3.80 Median = 3.93 Standard Deviation = 0.75</td>
<td>Neutral</td>
<td></td>
</tr>
<tr>
<td>Responses to item = 10 (100.0%)</td>
<td>Strongly Agree</td>
<td>7 (70.0%)</td>
</tr>
<tr>
<td>7. ...has given me a good understanding of professional and ethical</td>
<td>Strongly Disagree</td>
<td></td>
</tr>
<tr>
<td>responsibilities. Mean = 3.60 Median = 3.90 Standard Deviation = 1.20</td>
<td>Neutral</td>
<td></td>
</tr>
<tr>
<td>Responses to item = 10 (100.0%)</td>
<td>Strongly Agree</td>
<td>5 (50.0%)</td>
</tr>
<tr>
<td>8. ...to communicate effectively, in both oral and written form.</td>
<td>Strongly Disagree</td>
<td></td>
</tr>
<tr>
<td>Mean = 3.30 Median = 3.17 Standard Deviation = 1.10</td>
<td>Neutral</td>
<td></td>
</tr>
<tr>
<td>Responses to item = 10 (100.0%)</td>
<td>Strongly Agree</td>
<td>2 (20.0%)</td>
</tr>
<tr>
<td>9. ...has provided me to understand the impact of technology on</td>
<td>Strongly Disagree</td>
<td></td>
</tr>
<tr>
<td>society. Mean = 3.90 Median = 4.00 Standard Deviation = 0.92</td>
<td>Neutral</td>
<td></td>
</tr>
<tr>
<td>Responses to item = 10 (100.0%)</td>
<td>Strongly Agree</td>
<td>4 (40.0%)</td>
</tr>
<tr>
<td>10. ...has provided me with the fundamentals for continued learning</td>
<td>Strongly Disagree</td>
<td></td>
</tr>
<tr>
<td>throughout life. Mean = 3.90 Median = 4.00 Standard Deviation = 0.94</td>
<td>Neutral</td>
<td></td>
</tr>
<tr>
<td>Responses to item = 10 (100.0%)</td>
<td>Strongly Agree</td>
<td>3 (30.0%)</td>
</tr>
<tr>
<td>11. My education has given me an appreciation of the societal</td>
<td>Strongly Disagree</td>
<td></td>
</tr>
<tr>
<td>context in which ... Mean = 3.30 Median = 3.50 Standard Deviation =</td>
<td>Neutral</td>
<td></td>
</tr>
<tr>
<td>1.10 Responses to item = 10 (100.0%)</td>
<td>Strongly Agree</td>
<td>4 (40.0%)</td>
</tr>
</tbody>
</table>

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
Items:

12. The basic science component of my engineering education prepared me well for my major courses.
   Mean = 3.70   Median = 3.90
   Standard Deviation = 1.10
   Responses to item = 10 (100.0%)

13. The basic math component of my engineering education prepared me well for my major courses.
   Mean = 3.60   Median = 3.90
   Standard Deviation = 1.20
   Responses to item = 10 (100.0%)

14. The lower division academic advising at the U of M was good.
   Mean = 3.20   Median = 3.25
   Standard Deviation = 0.75
   Responses to item = 10 (100.0%)

15. The computational facilities available for my coursework and projects were good.
   Mean = 3.70   Median = 3.90
   Standard Deviation = 1.00
   Responses to item = 10 (100.0%)

16. Instructors provided adequate feedback on my class performance.
   Mean = 3.40   Median = 3.50
   Standard Deviation = 0.92
   Responses to item = 10 (100.0%)

17. Instructors were available to discuss course-related issues outside of class.
   Mean = 4.20   Median = 4.25
   Standard Deviation = 0.75
   Responses to item = 10 (100.0%)

18. My courses included active learning experiences, such as discussion and team work.
   Mean = 4.30   Median = 4.30
   Standard Deviation = 0.64
   Responses to item = 10 (100.0%)

19. The upper division academic advising for the BAEM program was good.
   Mean = 3.20   Median = 3.25
   Standard Deviation = 1.33
   Responses to item = 10 (100.0%)

20. My education provided me with a good understanding of engineering materials.
    Mean = 4.00   Median = 4.00
    Standard Deviation = 0.87
    Responses to item = 10 (100.0%)

21. ...with a good understanding of aerodynamics.
    Mean = 4.20   Median = 4.30
    Standard Deviation = 0.87
    Responses to item = 10 (100.0%)

22. ...with a good understanding of aerospace structures.
    Mean = 3.90   Median = 3.90
    Standard Deviation = 0.70
    Responses to item = 10 (100.0%)
Items:

23. ...with a good understanding of aerospace propulsion systems.
   Mean = 3.90  Median = 4.00
   Standard Deviation = 0.94
   Responses to item = 10 (100.0%)

24. ...with a good understanding of atmospheric flight mechanics.
   Mean = 4.10  Median = 4.30
   Standard Deviation = 1.14
   Responses to item = 10 (100.0%)

25. ...with a good understanding of orbital mechanics and space flight.
   Mean = 4.00  Median = 4.00
   Standard Deviation = 0.77
   Responses to item = 10 (100.0%)

26. ...with a good understanding of flight dynamics and control.
   Mean = 3.20  Median = 3.50
   Standard Deviation = 1.25
   Responses to item = 10 (100.0%)

27. The design experiences provided throughout the BAEM curriculum were good.
   Mean = 3.50  Median = 3.50
   Standard Deviation = 1.61
   Responses to item = 10 (100.0%)

28. The intern and/or work experiences enhanced my education.
   Mean = 3.00  Median = 3.00
   Standard Deviation = 1.61
   Responses to item = 10 (100.0%)

29. The quality of laboratory facilities provided by the BAEM program was good.
   Mean = 3.40  Median = 3.83
   Standard Deviation = 1.20
   Responses to item = 10 (100.0%)

30. The quality of computational facilities provided by the BAEM program was good.
   Mean = 3.30  Median = 3.50
   Standard Deviation = 1.00
   Responses to item = 10 (100.0%)

31. The senior design courses improved my ability to work as part of a team.
   Mean = 3.30  Median = 3.50
   Standard Deviation = 1.10
   Responses to item = 10 (100.0%)

32. The hands on laboratory experiences provided me with a good understanding of....
   Mean = 3.70  Median = 3.90
   Standard Deviation = 1.00
   Responses to item = 10 (100.0%)

Options:

Responses:

Strng Disagree (1) 0 (0.0%)
Neutral (2) 1 (10.0%)
Strng Agree (5) 3 (30.0%)

Strng Disagree (1) 1 (10.0%)
Neutral (2) 0 (0.0%)
Strng Agree (5) 4 (40.0%)

Strng Disagree (1) 0 (0.0%)
Neutral (2) 0 (0.0%)
Strng Agree (5) 4 (40.0%)

Strng Disagree (1) 2 (20.0%)
Neutral (2) 0 (0.0%)
Strng Agree (5) 3 (30.0%)

Strng Disagree (1) 4 (40.0%)
Neutral (2) 3 (30.0%)
Strng Agree (5) 1 (10.0%)

Strng Disagree (1) 1 (10.0%)
Neutral (2) 0 (0.0%)
Strng Agree (5) 2 (20.0%)

Strng Disagree (1) 3 (30.0%)
Neutral (2) 1 (10.0%)
Strng Agree (5) 4 (40.0%)

Strng Disagree (1) 0 (0.0%)
Neutral (2) 1 (10.0%)
Strng Agree (5) 6 (60.0%)

Strng Disagree (1) 0 (0.0%)
Neutral (2) 2 (20.0%)
Strng Agree (5) 1 (10.0%)

Strng Disagree (1) 1 (10.0%)
Neutral (2) 1 (10.0%)
Strng Agree (5) 3 (30.0%)

Strng Disagree (1) 1 (10.0%)
Neutral (2) 1 (10.0%)
Strng Agree (5) 4 (40.0%)

Strng Disagree (1) 0 (0.0%)
Neutral (2) 2 (20.0%)
Strng Agree (5) 2 (20.0%)