Items:

1. My ed has prepared me: to apply knowledge of math, science, eng fundamentals....
   Mean = 4.29   Median = 4.25
   Standard Deviation = 0.61
   Responses to item = 35 (100.0%)  
   Options:  
   Strongly Disagree (1) 0( 0.0%)  
   Neutral (2) 1( 2.9%)  
   Strongly Agree (3) 12( 34.3%)  
   Responses:  
   Strongly Disagree (4) 22( 62.9%)  
   Neutral (5) 8( 22.9%)  

2. ...to design and conduct experiments and to analyze and interpret data.
   Mean = 4.11   Median = 4.09
   Standard Deviation = 0.57
   Responses to item = 35 (100.0%)  
   Options:  
   Strongly Disagree (1) 0( 0.0%)  
   Neutral (2) 0( 0.0%)  
   Strongly Agree (3) 4( 11.4%)  
   Responses:  
   Strongly Disagree (4) 23( 65.7%)  
   Neutral (5) 8( 22.9%)  

3. ...to design a system, component, or process to meet desired needs.
   Mean = 4.03   Median = 4.02
   Standard Deviation = 0.61
   Responses to item = 35 (100.0%)  
   Options:  
   Strongly Disagree (1) 0( 0.0%)  
   Neutral (2) 0( 0.0%)  
   Strongly Agree (3) 617.1)  
   Responses:  
   Strongly Disagree (4) 22( 62.9%)  
   Neutral (5) 7( 20.0%)  

4. ...to use modern tools (e.g. CAD) necessary for engineering practice.
   Mean = 3.29   Median = 3.15
   Standard Deviation = 1.11
   Responses to item = 35 (100.0%)  
   Options:  
   Strongly Disagree (1) 1( 2.9%)  
   Neutral (2) 8( 22.9%)  
   Strongly Agree (3) 13( 37.1%)  
   Responses:  
   Strongly Disagree (4) 617.1)  
   Neutral (5) 7( 20.0%)  

5. ...to identify, formulate and solve engineering problems.
   Mean = 4.26   Median = 4.20
   Standard Deviation = 0.55
   Responses to item = 35 (100.0%)  
   Options:  
   Strongly Disagree (1) 0( 0.0%)  
   Neutral (2) 0( 0.0%)  
   Strongly Agree (3) 2( 5.7%)  
   Responses:  
   Strongly Disagree (4) 22( 62.9%)  
   Neutral (5) 11( 31.4%)  

6. ...has given me a good understanding of professional and ethical responsibilities.
   Mean = 3.80   Median = 3.84
   Standard Deviation = 0.82
   Responses to item = 35 (100.0%)  
   Options:  
   Strongly Disagree (1) 0( 0.0%)  
   Neutral (2) 2( 5.7%)  
   Strongly Agree (3) 10( 28.6%)  
   Responses:  
   Strongly Disagree (4) 16( 45.7%)  
   Neutral (5) 7( 20.0%)  

7. ...to communicate effectively, in both oral and written form.
   Mean = 4.11   Median = 4.10
   Standard Deviation = 0.62
   Responses to item = 35 (100.0%)  
   Options:  
   Strongly Disagree (1) 0( 0.0%)  
   Neutral (2) 1( 2.9%)  
   Strongly Agree (3) 2( 5.7%)  
   Responses:  
   Strongly Disagree (4) 24( 68.6%)  
   Neutral (5) 8( 22.9%)  

8. ...has prepared me to understand the impact of technology on society.
   Mean = 3.57   Median = 3.71
   Standard Deviation = 0.93
   Responses to item = 35 (100.0%)  
   Options:  
   Strongly Disagree (1) 0( 0.0%)  
   Neutral (2) 1( 2.9%)  
   Strongly Agree (3) 11( 31.4%)  
   Responses:  
   Strongly Disagree (4) 17( 48.6%)  
   Neutral (5) 4( 11.4%)  

9. ...has provided me with the fundamentals for continued learning throughout life.
   Mean = 4.11   Median = 4.09
   Standard Deviation = 0.57
   Responses to item = 35 (100.0%)  
   Options:  
   Strongly Disagree (1) 0( 0.0%)  
   Neutral (2) 0( 0.0%)  
   Strongly Agree (3) 4( 11.4%)  
   Responses:  
   Strongly Disagree (4) 23( 65.7%)  
   Neutral (5) 8( 22.9%)  

10. My education has given me an appreciation of the societal context in which ...  
    Mean = 3.29   Median = 3.22
    Standard Deviation = 0.86
    Responses to item = 35 (100.0%)  
    Options:  
    Strongly Disagree (1) 1( 2.9%)  
    Neutral (2) 16( 45.7%)  
    Strongly Agree (3) 11( 31.4%)  
    Responses:  
    Strongly Disagree (4) 2( 5.7%)  
    Neutral (5) 8( 22.9%)  

11. The basic science component of my eng ed prepared me well for my major courses.
    Mean = 3.86   Median = 3.90
    Standard Deviation = 0.68
    Responses to item = 35 (100.0%)  
    Options:  
    Strongly Disagree (1) 0( 0.0%)  
    Neutral (2) 1( 2.9%)  
    Strongly Agree (3) 8( 22.9%)  
    Responses:  
    Strongly Disagree (4) 21( 60.0%)  
    Neutral (5) 5( 14.3%)
12. The basic math component of my engineering program prepared me well for my major courses.  
   Mean = 3.91  Median = 4.02  
   Standard Deviation = 0.84  
   Responses to item = 35 (100.0%)  

13. The lower division academic advising at the U of M was good.  
   Mean = 2.86  Median = 2.97  
   Standard Deviation = 1.02  
   Responses to item = 35 (100.0%)  

14. The computational facilities available for my coursework and projects were good.  
   Mean = 3.62  Median = 3.72  
   Standard Deviation = 0.77  
   Responses to item = 35 (100.0%)  

15. Instructors were available to discuss course-related issues outside of class.  
   Mean = 3.97  Median = 4.03  
   Standard Deviation = 0.81  
   Responses to item = 35 (100.0%)  

16. My courses included active learning experiences, such as discussion and team.  
   Mean = 4.00  Median = 4.00  
   Standard Deviation = 0.59  
   Responses to item = 35 (100.0%)  

17. The upper division academic advising for the RAEM program was good.  
   Mean = 3.66  Median = 3.78  
   Standard Deviation = 0.92  
   Responses to item = 35 (100.0%)  

18. My education provided me: with a good understanding of engineering materials.  
   Mean = 3.97  Median = 4.02  
   Standard Deviation = 0.74  
   Responses to item = 35 (100.0%)  

19. ...with a good understanding of aerodynamics.  
   Mean = 4.06  Median = 4.04  
   Standard Deviation = 0.53  
   Responses to item = 35 (100.0%)  

20. ...with a good understanding of aerospace propulsion systems.  
   Mean = 4.14  Median = 4.10  
   Standard Deviation = 0.54  
   Responses to item = 35 (100.0%)  

21. ...with a good understanding of aerospace propulsion systems.  
   Mean = 4.14  Median = 4.10  
   Standard Deviation = 0.54  
   Responses to item = 35 (100.0%)  

22. ...with a good understanding of atmospheric flight mechanics.  
   Mean = 3.97  Median = 3.98  
   Standard Deviation = 0.56  
   Responses to item = 35 (100.0%)
Items:

23. ...with a good understanding of orbital mechanics and space flight.
   Mean = 3.69, Median = 3.93
   Standard Deviation = 0.67
   Responses to item = 35 (100.0%)

24. ...with a good understanding of flight dynamics and control.
   Mean = 3.66, Median = 3.73
   Standard Deviation = 0.92
   Responses to item = 35 (100.0%)

25. The design experiences provided throughout the BAEM curriculum were good.
   Mean = 3.66, Median = 3.78
   Standard Deviation = 0.92
   Responses to item = 35 (100.0%)

26. The intern and/or work experiences enhanced my education.
   Mean = 3.43, Median = 3.35
   Standard Deviation = 1.05
   Responses to item = 35 (100.0%)

27. The quality of laboratory facilities provided by the BAEM program was good.
   Mean = 3.65, Median = 3.74
   Standard Deviation = 0.80
   Responses to item = 34 (97.1%)

28. The quality of computational facilities provided by the BAEM program was good.
   Mean = 3.53, Median = 3.57
   Standard Deviation = 0.79
   Responses to item = 32 (91.4%)

29. The senior design courses improved my ability to work as part of a team.
   Mean = 4.00, Median = 4.20
   Standard Deviation = 1.03
   Responses to item = 15 (42.9%)

30. The hands on laboratory experiences provided me with a good understanding of....
   Mean = 3.83, Median = 4.00
   Standard Deviation = 0.99
   Responses to item = 12 (34.3%)

31. Mean = 0.00, Median = 0.00
    Standard Deviation = 0.00
    Responses to item = 0 (0.0%)

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2-B-F (2) 0 (0.0%)
3-C (3) 0 (0.0%)
4-D (4) 0 (0.0%)
5-E (5) 0 (0.0%)

Item Key: 0504932