



National Council of Examiners for Engineering and Surveying  
 Fundamentals of Engineering Examination  
 ABET - Accredited Programs

200704  
 6/13/2007

|   |                     |              |                         |  |  |  |  |
|---|---------------------|--------------|-------------------------|--|--|--|--|
| Currently Enrolled <b>Engineering</b>                                 |                     |              |                         |  |  |  |  |
| Subject Matter Report by Major and PM Examination (formerly Report 5) |                     |              |                         |  |  |  |  |
| Board:  | Kentucky            | Institution: | Kentucky_ University of |  |  |  |  |
| Board Code:   | 71                  | School Code: | 7101                    |  |  |  |  |
| Major:  | <b>Agricultural</b> | PM Exam:     | <b>FE-Civil</b>         |  |  |  |  |
|   | *Institution        | National     | Comparator Groupings    |  |  |  |  |

|                     |   |    |   |   |    |
|---------------------|---|----|---|---|----|
| Examinees Taking    | 1 | 7  | 1 | 0 | 6  |
| Examinees Passing   | 0 | 4  | 0 | 0 | 4  |
| Examinees Passing % | 0 | 57 | 0 | 0 | 67 |

|  | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Carnegie 1 AVG % Correct *** | Carnegie 2 AVG % Correct *** | Carnegie 3 AVG % Correct *** |
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|

**AM Subject**

|  |    |    |    |     |    |   |    |
|--|----|----|----|-----|----|---|----|
| Mathematics                                  | 19 | 53 | 55 | 2.6 | 53 | 0 | 55 |
| Engineering Probability and Statistics       | 8  | 38 | 68 | 1.7 | 38 | 0 | 73 |
| Chemistry                                    | 11 | 55 | 70 | 1.7 | 55 | 0 | 73 |
| Computers                                    | 8  | 75 | 73 | 0.7 | 75 | 0 | 73 |
| Ethics and Business Practices                | 8  | 88 | 82 | 0.5 | 88 | 0 | 81 |
| Engineering Economics                        | 10 | 30 | 53 | 2.5 | 30 | 0 | 57 |
| Engineering Mechanics (Statics and Dynamics) | 13 | 54 | 63 | 2.4 | 54 | 0 | 64 |
| Strength of Materials                        | 8  | 50 | 59 | 1.6 | 50 | 0 | 60 |
| Material Properties                          | 8  | 50 | 64 | 1.3 | 50 | 0 | 67 |
| Fluid Mechanics                              | 8  | 75 | 61 | 1.5 | 75 | 0 | 58 |
| Electricity and Magnetism                    | 11 | 55 | 62 | 1.9 | 55 | 0 | 64 |
| Thermodynamics                               | 8  | 75 | 55 | 1.3 | 75 | 0 | 52 |

**PM Subject**

|                                   |   |    |    |     |    |   |    |
|-----------------------------------|---|----|----|-----|----|---|----|
| Surveying                         | 7 | 57 | 57 | 1.0 | 57 | 0 | 57 |
| Hydraulics and Hydrologic Systems | 7 | 14 | 45 | 1.6 | 14 | 0 | 50 |
| Soil Mechanics and Foundations    | 9 | 11 | 35 | 2.0 | 11 | 0 | 39 |
| Environmental Engineering         | 7 | 43 | 53 | 1.1 | 43 | 0 | 55 |
| Transportation                    | 7 | 29 | 41 | 1.2 | 29 | 0 | 43 |
| Structural Analysis               | 6 | 33 | 33 | 1.2 | 33 | 0 | 33 |
| Structural Design                 | 6 | 17 | 33 | 1.0 | 17 | 0 | 36 |
| Construction Management           | 6 | 50 | 71 | 0.8 | 50 | 0 | 75 |
| Materials                         | 5 | 20 | 37 | 0.7 | 20 | 0 | 40 |

\* 0 examinees have been removed from this data because they (1) Answered fewer than 10% of the questions or (2) were flagged as a Random Guesser.

\*\* The standard deviation above is based on number of questions correct not percentage of questions correct.

\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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|   |                         |
|---|-------------------------|
| <b>Currently Enrolled Engineering</b>                                 |                         |
| Subject Matter Report by Major and PM Examination (formerly Report 5) |                         |
| Board:  | Kentucky                |
| Board Code:   | 71                      |
| Major:  | <b>Agricultural</b>     |
| Institution:  | Kentucky_ University of |
| School Code:  | 7101                    |
| PM Exam:  | <b>FE-General</b>       |

|                     | *Institution | National | Comparator Groupings |    |    |
|---------------------|--------------|----------|----------------------|----|----|
| Examinees Taking    | 3            | 94       | 78                   | 12 | 4  |
| Examinees Passing   | 3            | 71       | 62                   | 7  | 2  |
| Examinees Passing % | 100          | 76       | 79                   | 58 | 50 |

|  | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Carnegie 1 AVG % Correct *** | Carnegie 2 AVG % Correct *** | Carnegie 3 AVG % Correct *** |
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|

|  |    |    |    |     |    |    |    |
|--|----|----|----|-----|----|----|----|
| <b>AM Subject</b>                            |    |    |    |     |    |    |    |
| Mathematics                                  | 19 | 75 | 68 | 2.6 | 70 | 62 | 59 |
| Engineering Probability and Statistics       | 8  | 62 | 66 | 1.4 | 65 | 71 | 66 |
| Chemistry                                    | 11 | 73 | 71 | 1.5 | 73 | 61 | 73 |
| Computers                                    | 8  | 75 | 82 | 1.3 | 84 | 72 | 81 |
| Ethics and Business Practices                | 8  | 67 | 79 | 1.1 | 80 | 78 | 78 |
| Engineering Economics                        | 10 | 67 | 58 | 2.7 | 58 | 56 | 62 |
| Engineering Mechanics (Statics and Dynamics) | 13 | 74 | 69 | 2.1 | 70 | 67 | 65 |
| Strength of Materials                        | 8  | 50 | 62 | 1.5 | 64 | 48 | 69 |
| Material Properties                          | 8  | 75 | 70 | 1.5 | 70 | 67 | 72 |
| Fluid Mechanics                              | 8  | 75 | 70 | 1.8 | 71 | 66 | 59 |
| Electricity and Magnetism                    | 11 | 79 | 64 | 2.0 | 64 | 67 | 61 |
| Thermodynamics                               | 8  | 67 | 57 | 1.6 | 58 | 53 | 53 |

|  |   |    |    |     |    |    |    |
|--|---|----|----|-----|----|----|----|
| <b>PM Subject</b>                      |   |    |    |     |    |    |    |
| Advanced Engineering Mathematics       | 6 | 56 | 52 | 1.4 | 53 | 49 | 46 |
| Engineering Probability and Statistics | 5 | 47 | 42 | 1.0 | 41 | 43 | 50 |
| Biology                                | 3 | 67 | 47 | 0.9 | 51 | 22 | 42 |
| Engineering Economics                  | 6 | 94 | 76 | 1.2 | 76 | 78 | 75 |
| Application of Engineering Mechanics   | 8 | 50 | 48 | 1.5 | 50 | 43 | 41 |
| Engineering of Materials               | 7 | 14 | 38 | 1.4 | 38 | 38 | 50 |
| Fluids                                 | 9 | 48 | 64 | 1.6 | 65 | 57 | 64 |
| Electricity and Magnetism              | 7 | 52 | 51 | 1.3 | 53 | 40 | 57 |
| Thermodynamics and Heat Transfer       | 9 | 67 | 58 | 1.5 | 60 | 51 | 44 |

\* 0 examinees have been removed from this data because they (1) Answered fewer than 10% of the questions or (2) were flagged as a Random Guesser.

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\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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|   |                                      |
|---|--------------------------------------|
| <b>Currently Enrolled Engineering</b>                                 |                                      |
| Subject Matter Report by Major and PM Examination (formerly Report 5) |                                      |
| Board: Kentucky   | Institution: Kentucky_ University of |
| Board Code: 71  | School Code: 7101                    |
| Major: <b>Chemical</b>  | PM Exam: <b>FE-Chemical</b>          |

|                     | *Institution | National | Comparator Groupings |     |    |
|---------------------|--------------|----------|----------------------|-----|----|
| Examinees Taking    | 2            | 632      | 395                  | 109 | 45 |
| Examinees Passing   | 2            | 548      | 353                  | 88  | 34 |
| Examinees Passing % | 100          | 87       | 89                   | 81  | 76 |

|  | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Carnegie 1 AVG % Correct *** | Carnegie 2 AVG % Correct *** | Carnegie 3 AVG % Correct *** |
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|

**AM Subject**

|  |    |    |    |     |    |    |    |
|--|----|----|----|-----|----|----|----|
| Mathematics                                  | 19 | 66 | 74 | 2.7 | 75 | 67 | 71 |
| Engineering Probability and Statistics       | 8  | 56 | 73 | 1.5 | 74 | 70 | 70 |
| Chemistry                                    | 11 | 91 | 84 | 1.5 | 85 | 82 | 80 |
| Computers                                    | 8  | 94 | 86 | 1.2 | 87 | 82 | 81 |
| Ethics and Business Practices                | 8  | 62 | 76 | 1.3 | 77 | 74 | 72 |
| Engineering Economics                        | 10 | 70 | 59 | 2.3 | 58 | 61 | 55 |
| Engineering Mechanics (Statics and Dynamics) | 13 | 58 | 62 | 2.3 | 63 | 57 | 64 |
| Strength of Materials                        | 8  | 31 | 45 | 1.3 | 45 | 45 | 43 |
| Material Properties                          | 8  | 62 | 76 | 1.4 | 76 | 73 | 72 |
| Fluid Mechanics                              | 8  | 69 | 74 | 1.6 | 75 | 69 | 69 |
| Electricity and Magnetism                    | 11 | 59 | 62 | 2.1 | 63 | 55 | 60 |
| Thermodynamics                               | 8  | 69 | 68 | 1.5 | 70 | 64 | 67 |

**PM Subject**

|  |   |    |    |     |    |    |    |
|--|---|----|----|-----|----|----|----|
| Chemistry                                | 6 | 75 | 72 | 1.0 | 73 | 69 | 63 |
| Material / Energy Balances               | 9 | 50 | 71 | 1.8 | 72 | 67 | 64 |
| Chemical Engineering Thermodynamics      | 6 | 67 | 66 | 1.2 | 68 | 61 | 60 |
| Fluid Dynamics                           | 6 | 25 | 60 | 1.4 | 60 | 51 | 59 |
| Heat Transfer                            | 6 | 58 | 68 | 1.2 | 69 | 61 | 69 |
| Mass Transfer                            | 6 | 75 | 71 | 1.2 | 72 | 66 | 66 |
| Chemical Reaction Engineering            | 6 | 33 | 40 | 1.4 | 41 | 35 | 39 |
| Process Design and Economic Optimization | 6 | 75 | 62 | 1.4 | 62 | 62 | 53 |
| Computer Usage and Chemical Engineering  | 3 | 50 | 70 | 0.7 | 71 | 68 | 68 |
| Process Control                          | 3 | 67 | 60 | 0.9 | 63 | 54 | 53 |
| Safety, Health, and Environmental        | 3 | 83 | 79 | 0.7 | 80 | 77 | 78 |

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\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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|   |                         |
|---|-------------------------|
| <b>Currently Enrolled Engineering</b>                                 |                         |
| Subject Matter Report by Major and PM Examination (formerly Report 5) |                         |
| Board:  | Kentucky                |
| Board Code:   | 71                      |
| Major:  | <b>Civil</b>            |
| Institution:  | Kentucky_ University of |
| School Code:  | 7101                    |
| PM Exam:  | <b>FE-Civil</b>         |

|                     | *Institution | National | Comparator Groupings |     |     |
|---------------------|--------------|----------|----------------------|-----|-----|
| Examinees Taking    | 46           | 4,001    | 2,322                | 660 | 730 |
| Examinees Passing   | 40           | 3,021    | 1,884                | 469 | 438 |
| Examinees Passing % | 87           | 76       | 81                   | 71  | 60  |

|  | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Carnegie 1 AVG % Correct *** | Carnegie 2 AVG % Correct *** | Carnegie 3 AVG % Correct *** |
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|

| <b>AM Subject</b>                            |    |    |    |     |    |    |    |
|--|----|----|----|-----|----|----|----|
| Mathematics                                  | 19 | 72 | 68 | 2.8 | 71 | 66 | 64 |
| Engineering Probability and Statistics       | 8  | 65 | 64 | 1.6 | 66 | 60 | 59 |
| Chemistry                                    | 11 | 69 | 67 | 1.9 | 69 | 64 | 62 |
| Computers                                    | 8  | 77 | 79 | 1.4 | 81 | 77 | 73 |
| Ethics and Business Practices                | 8  | 82 | 78 | 1.3 | 79 | 77 | 75 |
| Engineering Economics                        | 10 | 61 | 60 | 2.4 | 61 | 59 | 56 |
| Engineering Mechanics (Statics and Dynamics) | 13 | 73 | 70 | 2.3 | 72 | 67 | 63 |
| Strength of Materials                        | 8  | 67 | 69 | 1.5 | 71 | 65 | 65 |
| Material Properties                          | 8  | 61 | 64 | 1.6 | 65 | 62 | 58 |
| Fluid Mechanics                              | 8  | 72 | 66 | 1.7 | 69 | 63 | 59 |
| Electricity and Magnetism                    | 11 | 52 | 52 | 2.2 | 54 | 51 | 47 |
| Thermodynamics                               | 8  | 49 | 51 | 1.6 | 52 | 51 | 47 |

| <b>PM Subject</b>                 |   |    |    |     |    |    |    |
|-----------------------------------|---|----|----|-----|----|----|----|
| Surveying                         | 7 | 64 | 59 | 1.4 | 61 | 58 | 56 |
| Hydraulics and Hydrologic Systems | 7 | 51 | 50 | 1.6 | 52 | 49 | 45 |
| Soil Mechanics and Foundations    | 9 | 62 | 54 | 1.8 | 55 | 51 | 49 |
| Environmental Engineering         | 7 | 70 | 64 | 1.4 | 66 | 63 | 58 |
| Transportation                    | 7 | 57 | 51 | 1.4 | 53 | 49 | 44 |
| Structural Analysis               | 6 | 45 | 42 | 1.3 | 43 | 41 | 40 |
| Structural Design                 | 6 | 37 | 48 | 1.4 | 50 | 46 | 43 |
| Construction Management           | 6 | 75 | 69 | 1.3 | 71 | 69 | 63 |
| Materials                         | 5 | 60 | 55 | 1.1 | 57 | 54 | 50 |

\* 0 examinees have been removed from this data because they (1) Answered fewer than 10% of the questions or (2) were flagged as a Random Guesser.

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\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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|   |              |              |                         |  |  |  |  |
|---|--------------|--------------|-------------------------|--|--|--|--|
| <b>Currently Enrolled Engineering</b>                                 |              |              |                         |  |  |  |  |
| Subject Matter Report by Major and PM Examination (formerly Report 5) |              |              |                         |  |  |  |  |
| Board:  | Kentucky     | Institution: | Kentucky_ University of |  |  |  |  |
| Board Code:   | 71           | School Code: | 7101                    |  |  |  |  |
| Major:  | <b>Civil</b> | PM Exam:     | <b>FE-General</b>       |  |  |  |  |
|   | *Institution | National     | Comparator Groupings    |  |  |  |  |

|                     |   |       |     |    |     |
|---------------------|---|-------|-----|----|-----|
| Examinees Taking    | 1 | 1,210 | 624 | 98 | 394 |
| Examinees Passing   | 0 | 838   | 495 | 42 | 232 |
| Examinees Passing % | 0 | 69    | 79  | 43 | 59  |

|  | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Carnegie 1 AVG % Correct *** | Carnegie 2 AVG % Correct *** | Carnegie 3 AVG % Correct *** |
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
| <b>AM Subject</b>                            |                  |                           |                        |                                |                              |                              |                              |
| Mathematics                                  | 19               | 47                        | 72                     | 2.9                            | 76                           | 63                           | 69                           |
| Engineering Probability and Statistics       | 8                | 62                        | 65                     | 1.7                            | 68                           | 56                           | 61                           |
| Chemistry                                    | 11               | 36                        | 68                     | 2.0                            | 71                           | 59                           | 65                           |
| Computers                                    | 8                | 50                        | 79                     | 1.5                            | 81                           | 72                           | 76                           |
| Ethics and Business Practices                | 8                | 62                        | 75                     | 1.4                            | 77                           | 70                           | 73                           |
| Engineering Economics                        | 10               | 40                        | 59                     | 2.4                            | 62                           | 51                           | 58                           |
| Engineering Mechanics (Statics and Dynamics) | 13               | 62                        | 71                     | 2.4                            | 74                           | 59                           | 69                           |
| Strength of Materials                        | 8                | 50                        | 69                     | 1.6                            | 71                           | 61                           | 67                           |
| Material Properties                          | 8                | 25                        | 65                     | 1.7                            | 66                           | 54                           | 64                           |
| Fluid Mechanics                              | 8                | 62                        | 66                     | 1.8                            | 69                           | 56                           | 65                           |
| Electricity and Magnetism                    | 11               | 36                        | 56                     | 2.3                            | 57                           | 46                           | 55                           |
| Thermodynamics                               | 8                | 50                        | 54                     | 1.7                            | 55                           | 48                           | 53                           |
| <b>PM Subject</b>                            |                  |                           |                        |                                |                              |                              |                              |
| Advanced Engineering Mathematics             | 6                | 17                        | 61                     | 1.4                            | 66                           | 51                           | 57                           |
| Engineering Probability and Statistics       | 5                | 20                        | 43                     | 1.1                            | 48                           | 38                           | 37                           |
| Biology                                      | 3                | 0                         | 43                     | 0.9                            | 45                           | 40                           | 40                           |
| Engineering Economics                        | 6                | 83                        | 72                     | 1.3                            | 75                           | 66                           | 70                           |
| Application of Engineering Mechanics         | 8                | 25                        | 48                     | 1.6                            | 51                           | 38                           | 45                           |
| Engineering of Materials                     | 7                | 43                        | 37                     | 1.4                            | 39                           | 31                           | 35                           |
| Fluids                                       | 9                | 33                        | 58                     | 1.9                            | 60                           | 51                           | 56                           |
| Electricity and Magnetism                    | 7                | 29                        | 42                     | 1.5                            | 43                           | 35                           | 41                           |
| Thermodynamics and Heat Transfer             | 9                | 56                        | 55                     | 1.7                            | 57                           | 50                           | 53                           |

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\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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|   |                     |                    |                         |  |                      |  |  |
|---|---------------------|--------------------|-------------------------|--|----------------------|--|--|
| Currently Enrolled  |                     | <b>Engineering</b> |                         |  |                      |  |  |
| Subject Matter Report by Major and PM Examination (formerly Report 5) |                     |                    |                         |  |                      |  |  |
| Board:  | Kentucky            | Institution:       | Kentucky_ University of |  |                      |  |  |
| Board Code:   | 71                  | School Code:       | 7101                    |  |                      |  |  |
| Major:  | <b>Construction</b> | PM Exam:           | <b>FE-Civil</b>         |  |                      |  |  |
|   | *Institution        |                    | National                |  | Comparator Groupings |  |  |

|                     |     |    |    |    |    |
|---------------------|-----|----|----|----|----|
| Examinees Taking    | 1   | 55 | 48 | 3  | 4  |
| Examinees Passing   | 1   | 39 | 36 | 2  | 1  |
| Examinees Passing % | 100 | 71 | 75 | 67 | 25 |

|  | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Carnegie 1 AVG % Correct *** | Carnegie 2 AVG % Correct *** | Carnegie 3 AVG % Correct *** |
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|

**AM Subject**

|  |    |     |    |     |    |    |    |
|--|----|-----|----|-----|----|----|----|
| Mathematics                                  | 19 | 74  | 64 | 3.1 | 65 | 67 | 54 |
| Engineering Probability and Statistics       | 8  | 62  | 59 | 1.5 | 60 | 50 | 56 |
| Chemistry                                    | 11 | 64  | 65 | 2.1 | 66 | 52 | 70 |
| Computers                                    | 8  | 100 | 81 | 1.4 | 83 | 62 | 72 |
| Ethics and Business Practices                | 8  | 100 | 79 | 1.1 | 79 | 71 | 81 |
| Engineering Economics                        | 10 | 60  | 63 | 2.3 | 63 | 60 | 65 |
| Engineering Mechanics (Statics and Dynamics) | 13 | 85  | 70 | 2.5 | 70 | 77 | 60 |
| Strength of Materials                        | 8  | 75  | 69 | 1.4 | 71 | 62 | 53 |
| Material Properties                          | 8  | 50  | 64 | 1.5 | 65 | 46 | 56 |
| Fluid Mechanics                              | 8  | 88  | 62 | 1.6 | 63 | 62 | 59 |
| Electricity and Magnetism                    | 11 | 27  | 51 | 2.2 | 53 | 33 | 39 |
| Thermodynamics                               | 8  | 50  | 53 | 1.4 | 55 | 33 | 41 |

**PM Subject**

|                                   |   |    |    |     |    |    |    |
|-----------------------------------|---|----|----|-----|----|----|----|
| Surveying                         | 7 | 86 | 62 | 1.2 | 62 | 62 | 50 |
| Hydraulics and Hydrologic Systems | 7 | 43 | 43 | 1.2 | 42 | 57 | 43 |
| Soil Mechanics and Foundations    | 9 | 56 | 51 | 1.9 | 52 | 56 | 39 |
| Environmental Engineering         | 7 | 57 | 57 | 1.3 | 59 | 48 | 39 |
| Transportation                    | 7 | 57 | 47 | 1.5 | 49 | 48 | 25 |
| Structural Analysis               | 6 | 33 | 47 | 1.5 | 47 | 56 | 46 |
| Structural Design                 | 6 | 17 | 54 | 1.2 | 56 | 33 | 46 |
| Construction Management           | 6 | 67 | 82 | 1.1 | 82 | 78 | 88 |
| Materials                         | 5 | 60 | 52 | 1.1 | 53 | 53 | 45 |

\* 0 examinees have been removed from this data because they (1) Answered fewer than 10% of the questions or (2) were flagged as a Random Guesser.

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|---|-------------------|--------------------|-------------------------|--|----------------------|--|--|
| Currently Enrolled  |                   | <b>Engineering</b> |                         |  |                      |  |  |
| Subject Matter Report by Major and PM Examination (formerly Report 5) |                   |                    |                         |  |                      |  |  |
| Board:  | Kentucky          | Institution:       | Kentucky_ University of |  |                      |  |  |
| Board Code:   | 71                | School Code:       | 7101                    |  |                      |  |  |
| Major:  | <b>Electrical</b> | PM Exam:           | <b>FE-Electrical</b>    |  |                      |  |  |
|   | *Institution      |                    | National                |  | Comparator Groupings |  |  |

|                     |     |       |     |     |     |
|---------------------|-----|-------|-----|-----|-----|
| Examinees Taking    | 3   | 1,101 | 471 | 262 | 229 |
| Examinees Passing   | 3   | 767   | 353 | 167 | 147 |
| Examinees Passing % | 100 | 70    | 75  | 64  | 64  |

|  | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Carnegie 1 AVG % Correct *** | Carnegie 2 AVG % Correct *** | Carnegie 3 AVG % Correct *** |
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
| <b>AM Subject</b>                            |                  |                           |                        |                                |                              |                              |                              |
| Mathematics                                  | 19               | 81                        | 74                     | 2.8                            | 75                           | 71                           | 74                           |
| Engineering Probability and Statistics       | 8                | 79                        | 65                     | 1.7                            | 66                           | 62                           | 62                           |
| Chemistry                                    | 11               | 76                        | 67                     | 2.2                            | 69                           | 64                           | 65                           |
| Computers                                    | 8                | 96                        | 82                     | 1.4                            | 84                           | 79                           | 78                           |
| Ethics and Business Practices                | 8                | 58                        | 75                     | 1.4                            | 75                           | 76                           | 74                           |
| Engineering Economics                        | 10               | 40                        | 51                     | 2.4                            | 52                           | 51                           | 53                           |
| Engineering Mechanics (Statics and Dynamics) | 13               | 62                        | 59                     | 2.5                            | 60                           | 57                           | 57                           |
| Strength of Materials                        | 8                | 33                        | 43                     | 1.4                            | 43                           | 41                           | 42                           |
| Material Properties                          | 8                | 50                        | 61                     | 1.7                            | 62                           | 61                           | 60                           |
| Fluid Mechanics                              | 8                | 67                        | 45                     | 1.8                            | 46                           | 42                           | 42                           |
| Electricity and Magnetism                    | 11               | 88                        | 81                     | 2.0                            | 83                           | 76                           | 82                           |
| Thermodynamics                               | 8                | 42                        | 51                     | 1.7                            | 52                           | 49                           | 49                           |
| <b>PM Subject</b>                            |                  |                           |                        |                                |                              |                              |                              |
| Circuits                                     | 10               | 70                        | 56                     | 1.9                            | 57                           | 53                           | 56                           |
| Power  | 8                | 75                        | 52                     | 1.5                            | 51                           | 52                           | 53                           |
| Electromagnetics                             | 4                | 42                        | 56                     | 1.0                            | 58                           | 55                           | 55                           |
| Control Systems                              | 6                | 67                        | 62                     | 1.4                            | 61                           | 62                           | 63                           |
| Communications                               | 5                | 40                        | 39                     | 1.1                            | 39                           | 38                           | 37                           |
| Signal Processing                            | 5                | 53                        | 39                     | 1.2                            | 41                           | 38                           | 37                           |
| Electronics                                  | 9                | 59                        | 61                     | 1.9                            | 63                           | 60                           | 60                           |
| Digital Systems                              | 7                | 67                        | 55                     | 1.8                            | 57                           | 53                           | 51                           |
| Computer Systems                             | 6                | 56                        | 60                     | 1.4                            | 62                           | 57                           | 57                           |

\* 0 examinees have been removed from this data because they (1) Answered fewer than 10% of the questions or (2) were flagged as a Random Guesser.

\*\* The standard deviation above is based on number of questions correct not percentage of questions correct.

\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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 Fundamentals of Engineering Examination  
 ABET - Accredited Programs

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|   |                            |
|---|----------------------------|
| <b>Currently Enrolled Engineering</b>                                 |                            |
| Subject Matter Report by Major and PM Examination (formerly Report 5) |                            |
| Board:  | Kentucky                   |
| Board Code:   | 71                         |
| Major:  | <b>General Engineering</b> |
| Institution:  | Kentucky_ University of    |
| School Code:  | 7101                       |
| PM Exam:  | <b>FE-General</b>          |

|                     | *Institution | National | Comparator Groupings |    |    |
|---------------------|--------------|----------|----------------------|----|----|
| Examinees Taking    | 1            | 170      | 28                   | 9  | 34 |
| Examinees Passing   | 1            | 134      | 26                   | 7  | 22 |
| Examinees Passing % | 100          | 79       | 93                   | 78 | 65 |

|  | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Carnegie 1 AVG % Correct *** | Carnegie 2 AVG % Correct *** | Carnegie 3 AVG % Correct *** |
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|

**AM Subject**

|  |    |    |    |     |    |    |    |
|--|----|----|----|-----|----|----|----|
| Mathematics                                  | 19 | 79 | 74 | 2.8 | 77 | 77 | 72 |
| Engineering Probability and Statistics       | 8  | 75 | 72 | 1.6 | 72 | 75 | 68 |
| Chemistry                                    | 11 | 64 | 72 | 1.9 | 71 | 81 | 66 |
| Computers                                    | 8  | 75 | 82 | 1.4 | 81 | 86 | 79 |
| Ethics and Business Practices                | 8  | 88 | 78 | 1.2 | 76 | 85 | 74 |
| Engineering Economics                        | 10 | 50 | 55 | 2.4 | 55 | 48 | 58 |
| Engineering Mechanics (Statics and Dynamics) | 13 | 85 | 70 | 2.4 | 78 | 74 | 61 |
| Strength of Materials                        | 8  | 62 | 66 | 1.4 | 72 | 64 | 58 |
| Material Properties                          | 8  | 75 | 73 | 1.7 | 70 | 68 | 67 |
| Fluid Mechanics                              | 8  | 50 | 68 | 1.8 | 69 | 75 | 66 |
| Electricity and Magnetism                    | 11 | 82 | 69 | 2.3 | 68 | 73 | 58 |
| Thermodynamics                               | 8  | 50 | 59 | 1.6 | 54 | 71 | 58 |

**PM Subject**

|  |   |    |    |     |    |    |    |
|--|---|----|----|-----|----|----|----|
| Advanced Engineering Mathematics       | 6 | 83 | 64 | 1.5 | 82 | 72 | 59 |
| Engineering Probability and Statistics | 5 | 20 | 48 | 1.1 | 56 | 62 | 45 |
| Biology                                | 3 | 0  | 49 | 0.9 | 43 | 48 | 55 |
| Engineering Economics                  | 6 | 67 | 71 | 1.1 | 73 | 87 | 71 |
| Application of Engineering Mechanics   | 8 | 38 | 49 | 1.8 | 51 | 47 | 45 |
| Engineering of Materials               | 7 | 29 | 43 | 1.4 | 42 | 41 | 37 |
| Fluids                                 | 9 | 67 | 61 | 1.9 | 59 | 60 | 55 |
| Electricity and Magnetism              | 7 | 57 | 53 | 1.6 | 51 | 62 | 41 |
| Thermodynamics and Heat Transfer       | 9 | 44 | 59 | 1.6 | 60 | 74 | 54 |

\* 0 examinees have been removed from this data because they (1) Answered fewer than 10% of the questions or (2) were flagged as a Random Guesser.

\*\* The standard deviation above is based on number of questions correct not percentage of questions correct.

\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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|   |                                      |
|---|--------------------------------------|
| <b>Currently Enrolled Engineering</b>                                 |                                      |
| Subject Matter Report by Major and PM Examination (formerly Report 5) |                                      |
| Board: Kentucky   | Institution: Kentucky_ University of |
| Board Code: 71  | School Code: 7101                    |
| Major: <b>Materials</b>   | PM Exam: <b>FE-General</b>           |

|                     | *Institution | National | Comparator Groupings |    |     |
|---------------------|--------------|----------|----------------------|----|-----|
| Examinees Taking    | 1            | 26       | 15                   | 8  | 3   |
| Examinees Passing   | 1            | 18       | 11                   | 4  | 3   |
| Examinees Passing % | 100          | 69       | 73                   | 50 | 100 |

|  | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Carnegie 1 AVG % Correct *** | Carnegie 2 AVG % Correct *** | Carnegie 3 AVG % Correct *** |
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|

|  |    |     |    |     |    |    |    |
|--|----|-----|----|-----|----|----|----|
| <b>AM Subject</b>                            |    |     |    |     |    |    |    |
| Mathematics                                  | 19 | 79  | 66 | 3.1 | 67 | 62 | 70 |
| Engineering Probability and Statistics       | 8  | 100 | 69 | 1.6 | 72 | 62 | 71 |
| Chemistry                                    | 11 | 73  | 81 | 1.6 | 81 | 85 | 76 |
| Computers                                    | 8  | 100 | 80 | 1.3 | 82 | 73 | 83 |
| Ethics and Business Practices                | 8  | 88  | 76 | 1.1 | 77 | 78 | 67 |
| Engineering Economics                        | 10 | 50  | 55 | 2.4 | 51 | 60 | 60 |
| Engineering Mechanics (Statics and Dynamics) | 13 | 54  | 68 | 2.2 | 65 | 73 | 67 |
| Strength of Materials                        | 8  | 50  | 53 | 1.6 | 46 | 61 | 67 |
| Material Properties                          | 8  | 100 | 81 | 1.6 | 76 | 86 | 96 |
| Fluid Mechanics                              | 8  | 62  | 62 | 1.9 | 56 | 69 | 75 |
| Electricity and Magnetism                    | 11 | 55  | 62 | 2.4 | 61 | 62 | 67 |
| Thermodynamics                               | 8  | 75  | 63 | 1.6 | 62 | 67 | 54 |

|  |   |    |    |     |    |    |    |
|--|---|----|----|-----|----|----|----|
| <b>PM Subject</b>                      |   |    |    |     |    |    |    |
| Advanced Engineering Mathematics       | 6 | 50 | 63 | 1.7 | 70 | 56 | 50 |
| Engineering Probability and Statistics | 5 | 60 | 49 | 1.3 | 45 | 52 | 60 |
| Biology                                | 3 | 67 | 58 | 0.9 | 56 | 67 | 44 |
| Engineering Economics                  | 6 | 67 | 69 | 1.2 | 67 | 69 | 78 |
| Application of Engineering Mechanics   | 8 | 62 | 46 | 1.8 | 38 | 58 | 54 |
| Engineering of Materials               | 7 | 57 | 53 | 1.7 | 51 | 52 | 67 |
| Fluids                                 | 9 | 22 | 50 | 2.2 | 47 | 44 | 74 |
| Electricity and Magnetism              | 7 | 57 | 52 | 1.6 | 51 | 48 | 62 |
| Thermodynamics and Heat Transfer       | 9 | 78 | 58 | 2.1 | 61 | 46 | 78 |

\* 0 examinees have been removed from this data because they (1) Answered fewer than 10% of the questions or (2) were flagged as a Random Guesser.

\*\* The standard deviation above is based on number of questions correct not percentage of questions correct.

\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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|   |                                      |
|---|--------------------------------------|
| <b>Currently Enrolled Engineering</b>                                 |                                      |
| Subject Matter Report by Major and PM Examination (formerly Report 5) |                                      |
| Board: Kentucky   | Institution: Kentucky_ University of |
| Board Code: 71  | School Code: 7101                    |
| Major: <b>Mechanical</b>  | PM Exam: <b>FE-General</b>           |
| *Institution  | National                             |
| Comparator Groupings  |                                      |

|                     |    |       |       |     |     |
|---------------------|----|-------|-------|-----|-----|
| Examinees Taking    | 37 | 2,550 | 1,408 | 349 | 507 |
| Examinees Passing   | 30 | 2,132 | 1,223 | 272 | 375 |
| Examinees Passing % | 81 | 84    | 87    | 78  | 74  |

|  | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Carnegie 1 AVG % Correct *** | Carnegie 2 AVG % Correct *** | Carnegie 3 AVG % Correct *** |
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|

**AM Subject**

|  |    |    |    |     |    |    |    |
|--|----|----|----|-----|----|----|----|
| Mathematics                                  | 19 | 73 | 76 | 2.7 | 77 | 73 | 72 |
| Engineering Probability and Statistics       | 8  | 67 | 69 | 1.6 | 71 | 65 | 64 |
| Chemistry                                    | 11 | 66 | 71 | 1.9 | 72 | 68 | 68 |
| Computers                                    | 8  | 83 | 84 | 1.3 | 86 | 81 | 81 |
| Ethics and Business Practices                | 8  | 77 | 77 | 1.2 | 78 | 76 | 75 |
| Engineering Economics                        | 10 | 45 | 57 | 2.4 | 58 | 54 | 57 |
| Engineering Mechanics (Statics and Dynamics) | 13 | 67 | 73 | 2.1 | 74 | 70 | 69 |
| Strength of Materials                        | 8  | 64 | 65 | 1.4 | 67 | 63 | 63 |
| Material Properties                          | 8  | 70 | 75 | 1.5 | 76 | 73 | 72 |
| Fluid Mechanics                              | 8  | 70 | 73 | 1.6 | 73 | 71 | 71 |
| Electricity and Magnetism                    | 11 | 69 | 69 | 2.3 | 71 | 65 | 66 |
| Thermodynamics                               | 8  | 66 | 63 | 1.6 | 64 | 62 | 61 |

**PM Subject**

|  |   |    |    |     |    |    |    |
|--|---|----|----|-----|----|----|----|
| Advanced Engineering Mathematics       | 6 | 68 | 64 | 1.4 | 68 | 59 | 58 |
| Engineering Probability and Statistics | 5 | 46 | 44 | 1.1 | 46 | 41 | 40 |
| Biology                                | 3 | 52 | 47 | 0.9 | 48 | 47 | 44 |
| Engineering Economics                  | 6 | 66 | 73 | 1.2 | 74 | 71 | 71 |
| Application of Engineering Mechanics   | 8 | 54 | 55 | 1.6 | 56 | 54 | 52 |
| Engineering of Materials               | 7 | 40 | 45 | 1.5 | 46 | 44 | 41 |
| Fluids                                 | 9 | 63 | 67 | 1.7 | 68 | 65 | 65 |
| Electricity and Magnetism              | 7 | 51 | 54 | 1.4 | 55 | 51 | 51 |
| Thermodynamics and Heat Transfer       | 9 | 61 | 62 | 1.6 | 63 | 60 | 59 |

\* 0 examinees have been removed from this data because they (1) Answered fewer than 10% of the questions or (2) were flagged as a Random Guesser.

\*\* The standard deviation above is based on number of questions correct not percentage of questions correct.

\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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|   |                   |              |                         |  |  |  |  |
|---|-------------------|--------------|-------------------------|--|--|--|--|
| <b>Currently Enrolled Engineering</b>                                 |                   |              |                         |  |  |  |  |
| Subject Matter Report by Major and PM Examination (formerly Report 5) |                   |              |                         |  |  |  |  |
| Board:  | Kentucky          | Institution: | Kentucky_ University of |  |  |  |  |
| Board Code:   | 71                | School Code: | 7101                    |  |  |  |  |
| Major:  | <b>Mechanical</b> | PM Exam:     | <b>FE-Mechanical</b>    |  |  |  |  |
|   | *Institution      | National     | Comparator Groupings    |  |  |  |  |

|                     |     |       |     |     |     |
|---------------------|-----|-------|-----|-----|-----|
| Examinees Taking    | 2   | 1,591 | 752 | 279 | 288 |
| Examinees Passing   | 2   | 1,292 | 642 | 191 | 230 |
| Examinees Passing % | 100 | 81    | 85  | 68  | 80  |

|  | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Carnegie 1 AVG % Correct *** | Carnegie 2 AVG % Correct *** | Carnegie 3 AVG % Correct *** |
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|

**AM Subject**

|  |    |    |    |     |    |    |    |
|--|----|----|----|-----|----|----|----|
| Mathematics                                  | 19 | 79 | 75 | 2.9 | 77 | 71 | 72 |
| Engineering Probability and Statistics       | 8  | 94 | 68 | 1.7 | 70 | 63 | 63 |
| Chemistry                                    | 11 | 91 | 71 | 2.0 | 73 | 66 | 67 |
| Computers                                    | 8  | 81 | 85 | 1.3 | 87 | 82 | 83 |
| Ethics and Business Practices                | 8  | 69 | 77 | 1.3 | 78 | 73 | 76 |
| Engineering Economics                        | 10 | 55 | 54 | 2.4 | 54 | 54 | 58 |
| Engineering Mechanics (Statics and Dynamics) | 13 | 88 | 73 | 2.2 | 75 | 69 | 71 |
| Strength of Materials                        | 8  | 69 | 65 | 1.4 | 67 | 62 | 64 |
| Material Properties                          | 8  | 94 | 77 | 1.4 | 78 | 73 | 74 |
| Fluid Mechanics                              | 8  | 81 | 73 | 1.6 | 75 | 67 | 72 |
| Electricity and Magnetism                    | 11 | 82 | 69 | 2.3 | 72 | 63 | 66 |
| Thermodynamics                               | 8  | 62 | 63 | 1.6 | 65 | 59 | 61 |

**PM Subject**

|  |   |    |    |     |    |    |    |
|--|---|----|----|-----|----|----|----|
| Mechanical Design and Analysis                 | 9 | 33 | 35 | 1.6 | 37 | 32 | 34 |
| Kinematics, Dynamics, and Vibrations           | 9 | 78 | 68 | 1.6 | 69 | 65 | 66 |
| Materials and Processing                       | 6 | 50 | 46 | 1.2 | 48 | 42 | 45 |
| Measurements, Instrumentation, and Controls    | 6 | 75 | 46 | 1.3 | 47 | 42 | 44 |
| Thermodynamics and Energy Conversion Processes | 9 | 61 | 44 | 1.7 | 45 | 41 | 44 |
| Fluid Mechanics and Fluid Machinery            | 9 | 89 | 58 | 1.8 | 59 | 53 | 58 |
| Heat Transfer                                  | 6 | 42 | 47 | 1.4 | 48 | 43 | 48 |
| Refrigeration and HVAC                         | 6 | 42 | 48 | 1.3 | 49 | 44 | 49 |

\* 0 examinees have been removed from this data because they (1) Answered fewer than 10% of the questions or (2) were flagged as a Random Guesser.

\*\* The standard deviation above is based on number of questions correct not percentage of questions correct.

\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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|   |                         |
|---|-------------------------|
| <b>Currently Enrolled Engineering</b>                                 |                         |
| Subject Matter Report by Major and PM Examination (formerly Report 5) |                         |
| Board:  | Kentucky                |
| Board Code:   | 71                      |
| Major:  | <b>Mining/Mineral</b>   |
| Institution:  | Kentucky_ University of |
| School Code:  | 7101                    |
| PM Exam:  | <b>FE-General</b>       |

|                     | *Institution | National | Comparator Groupings |    |   |
|---------------------|--------------|----------|----------------------|----|---|
| Examinees Taking    | 4            | 47       | 25                   | 11 | 0 |
| Examinees Passing   | 1            | 27       | 16                   | 2  | 0 |
| Examinees Passing % | 25           | 57       | 64                   | 18 | 0 |

|  | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Carnegie 1 AVG % Correct *** | Carnegie 2 AVG % Correct *** | Carnegie 3 AVG % Correct *** |
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|

|  |    |    |    |     |    |    |   |
|--|----|----|----|-----|----|----|---|
| <b>AM Subject</b>                            |    |    |    |     |    |    |   |
| Mathematics                                  | 19 | 63 | 64 | 3.6 | 66 | 52 | 0 |
| Engineering Probability and Statistics       | 8  | 72 | 60 | 1.7 | 61 | 50 | 0 |
| Chemistry                                    | 11 | 68 | 65 | 1.7 | 67 | 55 | 0 |
| Computers                                    | 8  | 81 | 76 | 1.6 | 80 | 68 | 0 |
| Ethics and Business Practices                | 8  | 84 | 78 | 1.4 | 80 | 70 | 0 |
| Engineering Economics                        | 10 | 72 | 58 | 2.4 | 70 | 37 | 0 |
| Engineering Mechanics (Statics and Dynamics) | 13 | 69 | 59 | 2.8 | 66 | 41 | 0 |
| Strength of Materials                        | 8  | 50 | 55 | 1.5 | 61 | 41 | 0 |
| Material Properties                          | 8  | 59 | 56 | 1.9 | 52 | 60 | 0 |
| Fluid Mechanics                              | 8  | 62 | 61 | 2.0 | 66 | 45 | 0 |
| Electricity and Magnetism                    | 11 | 61 | 56 | 2.5 | 57 | 40 | 0 |
| Thermodynamics                               | 8  | 50 | 52 | 1.6 | 52 | 45 | 0 |

|  |   |    |    |     |    |    |   |
|--|---|----|----|-----|----|----|---|
| <b>PM Subject</b>                      |   |    |    |     |    |    |   |
| Advanced Engineering Mathematics       | 6 | 42 | 55 | 1.4 | 61 | 33 | 0 |
| Engineering Probability and Statistics | 5 | 40 | 38 | 1.0 | 44 | 27 | 0 |
| Biology                                | 3 | 25 | 52 | 0.9 | 51 | 45 | 0 |
| Engineering Economics                  | 6 | 75 | 73 | 1.1 | 79 | 59 | 0 |
| Application of Engineering Mechanics   | 8 | 34 | 38 | 1.7 | 40 | 15 | 0 |
| Engineering of Materials               | 7 | 32 | 33 | 1.2 | 38 | 25 | 0 |
| Fluids                                 | 9 | 53 | 55 | 1.9 | 57 | 42 | 0 |
| Electricity and Magnetism              | 7 | 29 | 40 | 1.4 | 38 | 38 | 0 |
| Thermodynamics and Heat Transfer       | 9 | 58 | 50 | 1.8 | 53 | 38 | 0 |

\* 0 examinees have been removed from this data because they (1) Answered fewer than 10% of the questions or (2) were flagged as a Random Guesser.

\*\* The standard deviation above is based on number of questions correct not percentage of questions correct.

\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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|   |                         |
|---|-------------------------|
| <b>Currently Enrolled Engineering</b>                                 |                         |
| Subject Matter Report by Major and PM Examination (formerly Report 5) |                         |
| Board:  | Kentucky                |
| Board Code:   | 71                      |
| Major:  | <b>Other</b>            |
| Institution:  | Kentucky_ University of |
| School Code:  | 7101                    |
| PM Exam:  | <b>FE-General</b>       |

|                     | *Institution | National | Comparator Groupings |     |    |
|---------------------|--------------|----------|----------------------|-----|----|
| Examinees Taking    | 1            | 43       | 10                   | 1   | 8  |
| Examinees Passing   | 1            | 29       | 7                    | 1   | 6  |
| Examinees Passing % | 100          | 67       | 70                   | 100 | 75 |

|  | # Exam Questions | Institution AVG % Correct | National AVG % Correct | National Standard Deviation ** | Carnegie 1 AVG % Correct *** | Carnegie 2 AVG % Correct *** | Carnegie 3 AVG % Correct *** |
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
|--|------------------|---------------------------|------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|

|  |    |     |    |     |    |     |    |
|--|----|-----|----|-----|----|-----|----|
| <b>AM Subject</b>                            |    |     |    |     |    |     |    |
| Mathematics                                  | 19 | 84  | 72 | 3.0 | 73 | 89  | 65 |
| Engineering Probability and Statistics       | 8  | 75  | 63 | 1.7 | 70 | 88  | 59 |
| Chemistry                                    | 11 | 91  | 66 | 2.1 | 74 | 91  | 64 |
| Computers                                    | 8  | 100 | 83 | 1.3 | 86 | 88  | 84 |
| Ethics and Business Practices                | 8  | 62  | 76 | 1.2 | 81 | 88  | 73 |
| Engineering Economics                        | 10 | 40  | 52 | 2.2 | 59 | 40  | 61 |
| Engineering Mechanics (Statics and Dynamics) | 13 | 77  | 67 | 2.3 | 70 | 69  | 73 |
| Strength of Materials                        | 8  | 75  | 60 | 1.7 | 59 | 50  | 61 |
| Material Properties                          | 8  | 88  | 72 | 1.5 | 70 | 50  | 66 |
| Fluid Mechanics                              | 8  | 75  | 64 | 1.7 | 71 | 75  | 62 |
| Electricity and Magnetism                    | 11 | 55  | 71 | 2.3 | 74 | 82  | 69 |
| Thermodynamics                               | 8  | 62  | 60 | 1.7 | 61 | 100 | 62 |

|  |   |    |    |     |    |    |    |
|--|---|----|----|-----|----|----|----|
| <b>PM Subject</b>                      |   |    |    |     |    |    |    |
| Advanced Engineering Mathematics       | 6 | 50 | 55 | 1.5 | 63 | 50 | 44 |
| Engineering Probability and Statistics | 5 | 60 | 44 | 1.1 | 52 | 40 | 38 |
| Biology                                | 3 | 67 | 47 | 0.9 | 60 | 67 | 38 |
| Engineering Economics                  | 6 | 50 | 67 | 1.4 | 77 | 50 | 71 |
| Application of Engineering Mechanics   | 8 | 25 | 43 | 1.7 | 46 | 25 | 45 |
| Engineering of Materials               | 7 | 57 | 37 | 1.5 | 39 | 14 | 36 |
| Fluids                                 | 9 | 56 | 55 | 1.8 | 57 | 44 | 49 |
| Electricity and Magnetism              | 7 | 43 | 51 | 1.3 | 47 | 57 | 54 |
| Thermodynamics and Heat Transfer       | 9 | 44 | 56 | 1.6 | 59 | 56 | 47 |

\* 0 examinees have been removed from this data because they (1) Answered fewer than 10% of the questions or (2) were flagged as a Random Guesser.

\*\* The standard deviation above is based on number of questions correct not percentage of questions correct.

\*\*\* Carnegie 1 - Research Extensive, Carnegie 2 - Research Intensive, Carnegie 3 - Masters I and II combined

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