



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

200804  
 6/23/2008

Graduate of	<b>Engineering</b>						
Subject Matter Report by Major and PM Examination							
Board:	Kentucky	Institution:	Kentucky_ University of				
Board Code:	71	School Code:	7101				
Major:	<b>Agricultural</b>	PM Exam:	<b>FE-General</b>				
	*Institution	National	Comparator Groupings				

Examinees Taking	1	24	21	0	2
Examinees Passing	0	13	11	0	2
Examinees Passing %	0	54	52	0	100

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
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**AM Subject**

Mathematics	19	32	59	3.2	59	0	63
Engineering Probability and Statistics	8	62	55	1.3	55	0	56
Chemistry	11	73	69	2.2	70	0	50
Computers	8	62	68	1.4	70	0	75
Ethics and Business Practices	8	88	74	1.6	76	0	68
Engineering Economics	10	40	60	2.1	57	0	90
Engineering Mechanics (Statics and Dynamics)	13	69	62	2.6	61	0	70
Strength of Materials	8	62	53	2.0	50	0	68
Material Properties	8	75	50	1.5	48	0	68
Fluid Mechanics	8	75	67	1.6	65	0	81
Electricity and Magnetism	11	9	39	2.0	38	0	59
Thermodynamics	8	38	52	1.8	48	0	94

**PM Subject**

Advanced Engineering Mathematics	6	17	33	1.0	34	0	33
Engineering Probability and Statistics	5	40	31	1.2	32	0	20
Biology	3	100	65	0.8	68	0	33
Engineering Economics	6	50	46	1.5	43	0	100
Application of Engineering Mechanics	8	38	46	1.8	45	0	63
Engineering of Materials	7	43	50	1.4	51	0	43
Fluids	9	44	55	1.6	55	0	56
Electricity and Magnetism	7	29	52	1.8	52	0	50
Thermodynamics and Heat Transfer	9	44	39	1.9	38	0	56

\* 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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6/23/2008

Graduate of	<b>Engineering</b>					
Subject Matter Report by Major and PM Examination						
Board:	Kentucky	Institution:	Kentucky_ University of			
Board Code:	71	School Code:	7101			
Major:	<b>Biological-(not Bio-Medi</b>	PM Exam:	<b>FE-General</b>			
	*Institution		National		Comparator Groupings	

Examinees Taking	1	32	27	1	3
Examinees Passing	0	22	21	1	0
Examinees Passing %	0	69	78	100	0

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
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**AM Subject**

Mathematics	19	63	65	3.7	67	84	53
Engineering Probability and Statistics	8	75	66	1.9	67	88	54
Chemistry	11	91	81	1.5	83	91	73
Computers	8	62	68	1.8	70	100	46
Ethics and Business Practices	8	88	83	1.3	84	62	79
Engineering Economics	10	30	62	2.1	64	100	37
Engineering Mechanics (Statics and Dynamics)	13	62	65	3.2	70	100	26
Strength of Materials	8	25	46	1.8	50	50	21
Material Properties	8	50	49	1.6	49	75	42
Fluid Mechanics	8	50	67	1.9	69	100	54
Electricity and Magnetism	11	36	46	2.2	50	36	24
Thermodynamics	8	50	56	2.1	60	50	33

**PM Subject**

Advanced Engineering Mathematics	6	33	47	1.7	50	67	28
Engineering Probability and Statistics	5	40	27	1.2	29	20	13
Biology	3	33	70	0.9	73	67	56
Engineering Economics	6	33	49	1.7	51	50	17
Application of Engineering Mechanics	8	38	49	1.4	49	50	46
Engineering of Materials	7	14	54	1.3	57	43	38
Fluids	9	44	61	1.5	64	67	41
Electricity and Magnetism	7	29	50	1.7	52	71	28
Thermodynamics and Heat Transfer	9	33	50	2.0	54	22	30

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

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Graduate of	<b>Engineering</b>						
Subject Matter Report by Major and PM Examination							
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	228	146	20	41
Examinees Passing	2	173	128	11	17
Examinees Passing %	100	76	88	55	41

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
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**AM Subject**

Mathematics	19	53	65	3.8	70	49	56
Engineering Probability and Statistics	8	50	63	1.8	67	56	56
Chemistry	11	86	85	1.6	89	81	74
Computers	8	69	75	1.6	81	69	59
Ethics and Business Practices	8	62	76	1.5	79	78	64
Engineering Economics	10	75	62	2.2	66	61	49
Engineering Mechanics (Statics and Dynamics)	13	34	55	2.9	60	45	42
Strength of Materials	8	31	39	1.5	40	34	34
Material Properties	8	62	50	1.6	51	54	43
Fluid Mechanics	8	94	74	1.6	77	70	65
Electricity and Magnetism	11	59	43	2.2	46	37	32
Thermodynamics	8	69	64	1.6	66	56	54

**PM Subject**

Chemistry	6	66	62	1.1	65	51	56
Material / Energy Balances	9	50	63	1.9	65	56	55
Chemical Engineering Thermodynamics	6	50	44	1.4	46	35	36
Fluid Dynamics	6	58	62	1.4	66	51	50
Heat Transfer	6	66	76	1.2	78	71	67
Mass Transfer	6	66	54	1.6	57	42	41
Chemical Reaction Engineering	6	66	56	1.5	62	50	42
Process Design and Economic Optimization	6	83	68	1.5	73	69	48
Computer Usage and Chemical Engineering	3	16	63	0.9	66	65	50
Process Control	3	50	42	0.9	44	31	34
Safety, Health, and Environmental	3	100	67	0.8	74	60	50

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

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Board Code:	71	School Code:	7101				
Major:	<b>Chemical</b>	PM Exam:	<b>FE-General</b>				
	*Institution		National		Comparator Groupings		

Examinees Taking	1	193	122	17	41
Examinees Passing	1	124	98	4	13
Examinees Passing %	100	64	80	24	32

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
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**AM Subject**

Mathematics	19	89	67	3.5	72	57	58
Engineering Probability and Statistics	8	75	65	2.0	68	61	56
Chemistry	11	100	82	1.9	87	74	72
Computers	8	75	69	1.8	76	56	52
Ethics and Business Practices	8	50	74	1.5	77	75	63
Engineering Economics	10	90	63	2.3	67	51	52
Engineering Mechanics (Statics and Dynamics)	13	85	58	3.1	63	40	46
Strength of Materials	8	62	40	1.8	43	38	27
Material Properties	8	50	50	1.7	54	40	41
Fluid Mechanics	8	100	70	1.9	74	63	60
Electricity and Magnetism	11	45	44	2.3	47	36	33
Thermodynamics	8	100	60	1.9	61	58	54

**PM Subject**

Advanced Engineering Mathematics	6	50	45	1.5	48	37	34
Engineering Probability and Statistics	5	20	31	0.9	32	25	27
Biology	3	67	69	0.8	73	67	58
Engineering Economics	6	83	49	1.6	55	39	31
Application of Engineering Mechanics	8	50	40	1.3	40	39	39
Engineering of Materials	7	29	53	1.5	56	47	44
Fluids	9	89	61	1.7	65	53	54
Electricity and Magnetism	7	86	52	1.6	57	32	44
Thermodynamics and Heat Transfer	9	67	50	1.9	53	44	43

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

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Subject Matter Report by Major and PM Examination							
Board:	Kentucky	Institution:	Kentucky_ University of				
Board Code:	71	School Code:	7101				
Major:	<b>Civil</b>	PM Exam:	<b>FE-Civil</b>				
	*Institution	National	Comparator Groupings				

Examinees Taking	6	1,619	727	333	409
Examinees Passing	2	513	296	100	84
Examinees Passing %	33	32	41	30	21

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
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**AM Subject**

Mathematics	19	45	49	3.6	52	47	49
Engineering Probability and Statistics	8	63	52	1.7	55	50	48
Chemistry	11	59	55	2.2	60	56	51
Computers	8	58	56	1.8	61	54	51
Ethics and Business Practices	8	69	70	1.5	73	72	66
Engineering Economics	10	47	52	2.0	54	52	49
Engineering Mechanics (Statics and Dynamics)	13	64	53	2.8	57	51	52
Strength of Materials	8	54	53	1.8	56	50	50
Material Properties	8	50	45	1.4	47	46	42
Fluid Mechanics	8	54	55	1.8	57	56	53
Electricity and Magnetism	11	39	32	1.7	33	32	31
Thermodynamics	8	35	41	1.5	43	40	39

**PM Subject**

Surveying	7	59	48	1.4	51	47	46
Hydraulics and Hydrologic Systems	7	38	42	1.4	45	42	40
Soil Mechanics and Foundations	9	29	43	1.8	46	42	40
Environmental Engineering	7	60	57	1.5	61	56	53
Transportation	7	55	44	1.4	47	44	41
Structural Analysis	6	33	39	1.1	41	39	37
Structural Design	6	36	43	1.2	45	43	42
Construction Management	6	67	57	1.3	59	57	56
Materials	5	57	57	0.9	58	55	55

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Graduate of	<b>Engineering</b>						
Subject Matter Report by Major and PM Examination							
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	6	1,207	529	182	396
Examinees Passing	4	434	275	53	82
Examinees Passing %	67	36	52	29	21

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
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**AM Subject**

Mathematics	19	68	58	3.9	64	56	53
Engineering Probability and Statistics	8	73	58	1.8	64	54	53
Chemistry	11	68	58	2.4	65	56	53
Computers	8	67	56	1.9	64	50	50
Ethics and Business Practices	8	71	67	1.7	71	67	66
Engineering Economics	10	72	56	2.1	61	52	51
Engineering Mechanics (Statics and Dynamics)	13	70	57	2.9	64	51	52
Strength of Materials	8	63	54	1.9	60	47	49
Material Properties	8	56	46	1.5	50	44	43
Fluid Mechanics	8	73	57	1.9	63	52	53
Electricity and Magnetism	11	39	36	2.0	41	32	32
Thermodynamics	8	44	44	1.7	48	42	40

**PM Subject**

Advanced Engineering Mathematics	6	42	35	1.4	43	31	29
Engineering Probability and Statistics	5	30	27	1.0	31	26	23
Biology	3	67	52	0.8	55	53	50
Engineering Economics	6	53	41	1.5	48	35	34
Application of Engineering Mechanics	8	52	46	1.4	49	44	43
Engineering of Materials	7	48	46	1.4	51	42	41
Fluids	9	52	54	1.7	59	52	51
Electricity and Magnetism	7	43	41	1.5	45	37	38
Thermodynamics and Heat Transfer	9	35	33	1.6	36	32	31

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

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Graduate of	<b>Engineering</b>						
Subject Matter Report by Major and PM Examination							
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	10	820	409	128	200
Examinees Passing	5	443	268	55	79
Examinees Passing %	50	54	66	43	40

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**AM Subject**

Mathematics	19	63	65	3.8	67	61	61
Engineering Probability and Statistics	8	69	59	1.8	63	59	53
Chemistry	11	60	61	2.5	65	61	54
Computers	8	79	72	1.9	77	71	65
Ethics and Business Practices	8	72	72	1.5	75	73	68
Engineering Economics	10	52	54	2.2	56	52	49
Engineering Mechanics (Statics and Dynamics)	13	51	52	3.0	55	48	46
Strength of Materials	8	26	35	1.6	36	36	31
Material Properties	8	41	38	1.5	40	38	34
Fluid Mechanics	8	56	49	1.8	53	49	42
Electricity and Magnetism	11	63	64	2.3	67	61	58
Thermodynamics	8	42	46	1.7	48	45	42

**PM Subject**

Circuits	10	59	57	2.3	60	52	51
Power	8	53	51	1.7	54	48	46
Electromagnetics	4	48	63	0.9	66	60	61
Control Systems	6	43	50	1.6	53	48	47
Communications	5	56	51	1.3	55	46	47
Signal Processing	5	34	43	1.4	48	38	34
Electronics	9	75	65	1.9	69	58	62
Digital Systems	7	59	50	1.8	55	48	41
Computer Systems	6	57	52	1.4	59	48	45

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Board Code:	71	School Code:	7101				
Major:	<b>Electrical</b>	PM Exam:	<b>FE-General</b>				
	*Institution		National		Comparator Groupings		

Examinees Taking	1	591	267	84	177
Examinees Passing	0	239	138	26	55
Examinees Passing %	0	40	52	31	31

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
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**AM Subject**

Mathematics	19	32	61	3.9	65	59	57
Engineering Probability and Statistics	8	12	58	1.9	62	60	54
Chemistry	11	45	58	2.5	66	58	52
Computers	8	75	64	1.9	71	57	58
Ethics and Business Practices	8	75	70	1.6	74	68	68
Engineering Economics	10	60	55	2.1	59	48	53
Engineering Mechanics (Statics and Dynamics)	13	31	49	3.0	54	46	43
Strength of Materials	8	50	36	1.7	37	34	35
Material Properties	8	38	38	1.5	41	37	36
Fluid Mechanics	8	38	49	1.8	51	46	48
Electricity and Magnetism	11	18	55	2.2	57	53	53
Thermodynamics	8	38	46	1.7	49	45	45

**PM Subject**

Advanced Engineering Mathematics	6	33	40	1.4	44	36	36
Engineering Probability and Statistics	5	0	26	1.0	26	24	25
Biology	3	33	54	0.8	56	57	51
Engineering Economics	6	67	42	1.5	48	36	38
Application of Engineering Mechanics	8	50	39	1.4	40	37	38
Engineering of Materials	7	29	41	1.4	44	40	39
Fluids	9	56	50	1.6	53	48	48
Electricity and Magnetism	7	57	59	1.6	63	57	57
Thermodynamics and Heat Transfer	9	11	35	1.7	38	33	32

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Board Code:	71	School Code:	7101				
Major:	<b>Materials</b>	PM Exam:	<b>FE-General</b>				
	*Institution		National		Comparator Groupings		

Examinees Taking	2	31	22	4	3
Examinees Passing	1	22	17	1	2
Examinees Passing %	50	71	77	25	67

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
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**AM Subject**

Mathematics	19	58	67	4.0	67	68	60
Engineering Probability and Statistics	8	32	71	1.7	73	59	75
Chemistry	11	64	78	2.0	80	64	82
Computers	8	75	78	1.6	78	75	71
Ethics and Business Practices	8	82	80	1.1	83	62	67
Engineering Economics	10	65	62	2.3	64	52	50
Engineering Mechanics (Statics and Dynamics)	13	34	67	2.9	67	60	72
Strength of Materials	8	37	64	2.1	64	66	67
Material Properties	8	88	67	1.2	68	62	62
Fluid Mechanics	8	69	73	1.5	74	66	71
Electricity and Magnetism	11	36	55	2.5	56	50	61
Thermodynamics	8	38	60	1.5	59	60	71

**PM Subject**

Advanced Engineering Mathematics	6	42	51	1.4	51	54	33
Engineering Probability and Statistics	5	30	35	1.2	36	30	33
Biology	3	66	58	0.7	62	50	33
Engineering Economics	6	58	59	1.5	60	46	61
Application of Engineering Mechanics	8	18	55	1.5	55	44	67
Engineering of Materials	7	86	67	1.3	67	75	52
Fluids	9	62	64	1.3	66	56	60
Electricity and Magnetism	7	43	58	1.5	58	57	57
Thermodynamics and Heat Transfer	9	39	47	2.2	50	44	41

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

200804  
6/23/2008

Graduate of	<b>Engineering</b>						
Subject Matter Report by Major and PM Examination							
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	1	1,009	587	159	182
Examinees Passing	1	674	443	91	94
Examinees Passing %	100	67	75	57	52

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
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**AM Subject**

Mathematics	19	58	65	3.9	70	59	57
Engineering Probability and Statistics	8	50	62	1.8	66	58	55
Chemistry	11	45	67	2.4	71	60	60
Computers	8	75	72	1.8	76	67	64
Ethics and Business Practices	8	88	74	1.5	77	73	69
Engineering Economics	10	30	58	2.2	61	55	53
Engineering Mechanics (Statics and Dynamics)	13	77	68	2.9	73	60	60
Strength of Materials	8	75	60	2.0	64	53	53
Material Properties	8	38	55	1.5	58	52	50
Fluid Mechanics	8	75	70	1.7	74	63	66
Electricity and Magnetism	11	64	47	2.3	50	39	42
Thermodynamics	8	50	58	1.8	62	51	55

**PM Subject**

Advanced Engineering Mathematics	6	50	46	1.5	51	39	37
Engineering Probability and Statistics	5	20	29	1.1	31	26	26
Biology	3	67	58	0.8	62	53	53
Engineering Economics	6	33	48	1.5	52	45	40
Application of Engineering Mechanics	8	50	53	1.5	55	50	50
Engineering of Materials	7	29	55	1.5	59	53	49
Fluids	9	56	62	1.5	64	59	58
Electricity and Magnetism	7	71	57	1.6	61	50	50
Thermodynamics and Heat Transfer	9	44	48	1.9	52	43	44

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

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

200804  
6/23/2008

Graduate of	<b>Engineering</b>						
Subject Matter Report by Major and PM Examination							
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	1	414	246	63	77
Examinees Passing	1	300	198	40	45
Examinees Passing %	100	72	80	63	58

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
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<b>AM Subject</b>							
Mathematics	19	63	65	4.0	70	60	57
Engineering Probability and Statistics	8	38	60	1.9	62	61	53
Chemistry	11	64	69	2.3	73	67	60
Computers	8	62	77	1.8	80	74	67
Ethics and Business Practices	8	75	75	1.4	77	76	70
Engineering Economics	10	50	57	2.2	60	57	48
Engineering Mechanics (Statics and Dynamics)	13	54	72	2.8	75	69	66
Strength of Materials	8	62	67	2.0	70	62	61
Material Properties	8	62	58	1.4	60	61	52
Fluid Mechanics	8	88	74	1.7	77	71	68
Electricity and Magnetism	11	27	49	2.3	52	46	42
Thermodynamics	8	88	59	1.7	63	58	52

<b>PM Subject</b>							
Mechanical Design and Analysis	9	56	56	1.8	60	51	49
Kinematics, Dynamics, and Vibrations	9	89	59	1.9	62	60	49
Materials and Processing	6	50	55	1.2	57	55	49
Measurements, Instrumentation, and Controls	6	50	51	1.6	55	50	43
Thermodynamics and Energy Conversion Processes	9	78	56	1.8	59	52	48
Fluid Mechanics and Fluid Machinery	9	67	66	1.8	68	63	60
Heat Transfer	6	83	63	1.4	66	56	59
Refrigeration and HVAC	6	50	41	1.5	42	38	38

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

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

200804  
6/23/2008

Graduate of	<b>Engineering</b>					
Subject Matter Report by Major and PM Examination						
Board:	Kentucky	Institution:	Kentucky_ University of			
Board Code:	71	School Code:	7101			
Major:	<b>Mining/Mineral</b>	PM Exam:	<b>FE-General</b>			
	*Institution		National		Comparator Groupings	

Examinees Taking	1	13	10	3	0
Examinees Passing	0	5	4	1	0
Examinees Passing %	0	38	40	33	0

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
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**AM Subject**

Mathematics	19	47	50	4.0	54	35	0
Engineering Probability and Statistics	8	75	57	1.7	55	63	0
Chemistry	11	55	62	1.9	63	58	0
Computers	8	50	59	1.6	59	58	0
Ethics and Business Practices	8	62	74	1.0	75	71	0
Engineering Economics	10	70	63	1.8	61	70	0
Engineering Mechanics (Statics and Dynamics)	13	69	51	2.8	52	49	0
Strength of Materials	8	50	47	1.5	50	38	0
Material Properties	8	62	46	1.3	48	42	0
Fluid Mechanics	8	75	51	2.1	54	42	0
Electricity and Magnetism	11	45	36	1.9	39	27	0
Thermodynamics	8	38	41	1.6	40	45	0

**PM Subject**

Advanced Engineering Mathematics	6	33	35	1.6	40	17	0
Engineering Probability and Statistics	5	40	20	0.7	22	13	0
Biology	3	0	59	0.8	60	56	0
Engineering Economics	6	33	40	1.1	35	56	0
Application of Engineering Mechanics	8	25	42	1.0	41	46	0
Engineering of Materials	7	43	39	1.3	39	38	0
Fluids	9	22	57	1.7	59	48	0
Electricity and Magnetism	7	43	53	1.2	53	52	0
Thermodynamics and Heat Transfer	9	44	30	1.0	32	26	0

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

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 ABET - Accredited Programs

200804  
6/23/2008

Graduate of	<b>Engineering</b>					
Subject Matter Report by Major and PM Examination						
Board:	Kentucky	Institution:	Kentucky_ University of			
Board Code:	71	School Code:	7101			
Major:	<b>Other</b>	PM Exam:	<b>FE-Civil</b>			
	*Institution	National	Comparator Groupings			

Examinees Taking	1	11	6	3	1
Examinees Passing	0	4	3	1	0
Examinees Passing %	0	36	50	33	0

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
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**AM Subject**

Mathematics	19	32	53	5.1	60	42	68
Engineering Probability and Statistics	8	38	57	1.9	56	59	38
Chemistry	11	36	58	2.1	59	54	64
Computers	8	12	54	2.1	50	54	38
Ethics and Business Practices	8	88	77	1.9	88	75	12
Engineering Economics	10	50	50	1.5	47	60	50
Engineering Mechanics (Statics and Dynamics)	13	31	55	3.4	51	64	62
Strength of Materials	8	25	49	2.3	42	58	75
Material Properties	8	0	41	2.0	37	46	50
Fluid Mechanics	8	38	58	2.1	52	71	50
Electricity and Magnetism	11	18	34	1.5	28	42	36
Thermodynamics	8	25	45	2.0	40	63	50

**PM Subject**

Surveying	7	29	52	1.1	52	62	43
Hydraulics and Hydrologic Systems	7	29	47	1.8	55	43	14
Soil Mechanics and Foundations	9	11	46	2.6	52	55	22
Environmental Engineering	7	57	62	1.3	69	62	43
Transportation	7	43	43	1.5	41	48	57
Structural Analysis	6	50	52	1.3	42	67	50
Structural Design	6	33	39	1.2	39	44	67
Construction Management	6	67	61	0.9	67	50	83
Materials	5	20	51	1.1	47	60	40

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

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