



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

200710  
2/15/2008

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>Civil-Water Resources</b>		
	*Institution	National	Comparator Groupings		

Examinees Taking	1	39	34	0	5		
Examinees Passing	1	28	23	0	5		
Examinees Passing %	100	72	68	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 ***
Breadth - Environmental	8	88	76	1.1	75	0	78
Breadth - Geotechnical	8	88	63	1.9	63	0	60
Breadth - Structural	8	50	76	1.4	75	0	83
Breadth - Transportation	8	62	63	1.7	61	0	75
Breadth - Water Resources	8	75	72	1.6	72	0	75
Hydraulics	15	67	67	2.1	67	0	72
Hydrology	5	100	74	1.0	74	0	76
Water Treatment	6	67	59	1.3	59	0	60
Environmental	10	80	60	1.7	61	0	56
Geotechnical	4	100	69	1.0	71	0	55

\* 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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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>Mechanical-HVAC</b>		
	*Institution	National	Comparator Groupings		

	1	3	2	0	1		
Examinees Taking	1	2	2	0	0		
Examinees Passing	100	67	100	0	0		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
General - Codes & Standards - Engineering Principle 6	100	78	1.2	83	0	67	
General - Codes & Standards - Fundamental Enginee 5	100	80	1.0	90	0	60	
General - Codes & Standards - Interpretation of Code 1	100	67	0.6	100	0	0	
Machine Design & Materials - Principles	4	50	42	0.6	50	0	25
Machine Design & Materials - Applications	3	33	55	1.2	66	0	33
Hydraulics & Fluids - Principles	4	75	83	0.6	75	0	100
Hydraulics & Fluids - Applications	3	100	78	0.6	84	0	67
Energy Conversion/Power Systems - Principles	5	80	53	1.5	70	0	20
Energy Conversion/Power Systems - Analysis of Sys 2	50	33	0.6	25	0	50	
HVAC & Refrigeration - Principles	7	100	72	2.6	93	0	29
Fundamentals - Psychrometrics	5	100	87	1.2	100	0	60
Fundamentals - Principles	9	78	74	1.5	84	0	56
Equipment and Materials	15	67	71	2.1	77	0	60
Applications - Systems	8	100	83	1.5	94	0	62
Applications - Supportive Knowledges	3	100	78	1.2	100	0	33

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Board:	Kentucky	Institution:	Kentucky_ University of			
Board Code:	71	School Code:	7101			
Major:	<b>Agricultural</b>	PM Exam:	<b>Mechanical-Machine Design</b>			
	*Institution	National	Comparator Groupings			

Examinees Taking	1	2	1	1	0		
Examinees Passing	1	1	1	0	0		
Examinees Passing %	100	50	100	0	0		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
General - Codes & Standards - Engineering Principle 6	100	83	1.4	100	67	0	
General - Codes & Standards - Fundamental Enginee 5	100	90	0.7	100	80	0	
General - Codes & Standards - Interpretation of Code 1	100	100	0.0	100	100	0	
Machine Design & Materials - Principles	4	100	75	1.4	100	50	0
Machine Design & Materials - Applications	3	100	66	1.4	100	33	0
Hydraulics & Fluids - Principles	4	75	75	0.0	75	75	0
Hydraulics & Fluids - Applications	3	100	66	1.4	100	33	0
Energy Conversion/Power Systems - Principles	5	60	40	1.4	60	20	0
Energy Conversion/Power Systems - Analysis of Sys 2	100	50	1.4	100	0	0	
HVAC & Refrigeration - Principles	7	43	57	1.4	43	71	0
Engineering Principles	18	50	39	2.8	50	28	0
Machine Design - Components	14	71	60	2.1	71	50	0
Applications - Systems	3	67	67	0.0	67	67	0
Applications - Supportive Knowledge	5	60	60	0.0	60	60	0

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Board Code:	71	School Code:	7101				
Major:	<b>Biological-(not Bio-Medi</b>	PM Exam:	<b>Civil-Transportation</b>				
	*Institution	National	Comparator Groupings				

Examinees Taking	1	2	2	0	0		
Examinees Passing	1	1	1	0	0		
Examinees Passing %	100	50	50	0	0		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Environmental	8	75	56	2.1	56	0	0
Breadth - Geotechnical	8	62	62	0.0	62	0	0
Breadth - Structural	8	62	62	0.0	62	0	0
Breadth - Transportation	8	50	56	0.7	56	0	0
Breadth - Water Resources	8	75	68	0.7	68	0	0
Traffic Analysis	9	89	84	0.7	84	0	0
Transportation Planning/Construction	8	75	62	1.4	62	0	0
Geometric Design/Traffic Safety	9	89	89	0.0	89	0	0
Geotechnical	6	83	50	2.8	50	0	0
Water Resources	8	75	62	1.4	62	0	0

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Board Code:	71	School Code:	7101		
Major:	<b>Biological-(not Bio-Medi</b>	PM Exam:	<b>Civil-Water Resources</b>		
	*Institution	National	Comparator Groupings		

Examinees Taking	1	22	21	0	1		
Examinees Passing	1	13	13	0	0		
Examinees Passing %	100	59	62	0	0		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Environmental	8	88	73	1.7	73	0	62
Breadth - Geotechnical	8	38	57	1.3	58	0	50
Breadth - Structural	8	62	66	1.7	66	0	62
Breadth - Transportation	8	62	60	1.4	61	0	38
Breadth - Water Resources	8	75	67	1.2	67	0	62
Hydraulics	15	67	60	2.2	60	0	53
Hydrology	5	80	68	1.3	69	0	60
Water Treatment	6	33	54	1.6	53	0	67
Environmental	10	90	62	1.9	61	0	80
Geotechnical	4	75	65	0.9	67	0	25

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

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Board:	Kentucky	Institution:	Kentucky_ University of				
Board Code:	71	School Code:	7101				
Major:	<b>Chemical</b>	PM Exam:	<b>Control Systems</b>				
	*Institution	National			Comparator Groupings		
<b>Examinees Taking</b>	1	27	22	2	2		
Examinees Passing	1	22	19	2	0		
<b>Examinees Passing %</b>	100	81	86	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 ***
<b>Measurement</b>	19	84	75	2.4	78	76	55
Signals & Transmission	10	80	63	1.5	64	70	60
<b>Final Control Elements</b>	16	69	61	1.9	64	50	41
Control Systems Analysis	13	85	82	1.3	81	88	81
<b>Control Systems Implementation</b>	16	81	68	2.2	69	72	59
Codes, Standards & Regulations	6	83	85	1.0	87	84	58

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

Examinees Taking	2		71		32	13	22
Examinees Passing	2		48		24	11	10
Examinees Passing %	100		68		75	85	45
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Wastewater	11	82	57	1.9	61	56	51
Storm Water	7	78	62	1.4	68	64	51
Potable Water	10	75	62	1.7	65	63	57
Water Resources	6	83	61	1.4	67	59	52
Ambient Air	8	94	72	1.6	74	75	65
Emissions Sources	4	62	58	0.9	60	62	50
Control Strategies	8	88	63	1.7	66	69	51
Municipal Solid Waste (MSW), Commercial, and Ind.	9	56	51	1.6	55	58	41
Hazardous Waste, Special, and Radioactive Waste	11	86	66	1.9	72	70	55
Environmental Assessments	8	62	52	1.5	54	54	48
Remediation	8	69	71	1.5	77	69	62
Public Health and Safety	10	80	65	1.9	67	70	58

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Board:	Kentucky	Institution:	Kentucky_ University of			
Board Code:	71	School Code:	7101			
Major:	<b>Civil</b>	PM Exam:	<b>Civil-Geotechnical</b>			
	*Institution	National			Comparator Groupings	

	8	776	341	95	252		
Examinees Taking	8	776	341	95	252		
Examinees Passing	5	388	225	46	84		
Examinees Passing %	62	50	66	48	33		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Environmental	8	66	61	1.6	63	61	57
Breadth - Geotechnical	8	72	72	1.6	76	70	68
Breadth - Structural	8	75	78	1.4	81	81	75
Breadth - Transportation	8	75	62	1.7	67	58	59
Breadth - Water Resources	8	61	60	1.7	65	62	53
Subsurface Exploration & Sampling	4	69	56	1.0	61	57	51
Engineering Properties & Soil Mechanics	10	42	40	1.9	46	38	35
Foundations	6	56	49	1.5	56	51	40
Earth Retaining Structures & Seismic Engineering	6	44	43	1.6	50	42	35
Environmental	4	47	43	1.1	51	41	36
Structural	8	62	66	1.6	70	66	61
Transportation	2	88	58	0.7	71	53	46

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Board Code:	71	School Code:	7101			
Major:	<b>Civil</b>	PM Exam:	<b>Civil-Structural</b>			
	*Institution	National			Comparator Groupings	

Examinees Taking	8		651		389	87	145
Examinees Passing	3		387		271	46	56
Examinees Passing %	38		59		70	53	39
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Environmental	8	59	67	1.6	69	65	65
Breadth - Geotechnical	8	62	69	1.7	73	66	61
Breadth - Structural	8	86	88	1.1	90	87	85
Breadth - Transportation	8	61	67	1.6	70	63	61
Breadth - Water Resources	8	50	63	1.6	66	61	57
Loading/Analysis	7	77	61	1.4	64	58	56
Mechanics of Materials/Materials	9	59	60	1.9	63	56	53
Member Design	6	46	59	1.4	63	53	54
Failure Analysis/Design Criteria	4	66	54	1.0	58	51	44
Geotechnical	10	45	57	2.2	60	54	49
Transportation	4	56	59	1.1	61	57	55

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Board Code:	71	School Code:	7101			
Major:	<b>Civil</b>	PM Exam:	<b>Civil-Transportation</b>			
	*Institution	National		Comparator Groupings		

Examinees Taking	28		2,032		1,122	346	470
Examinees Passing	14		900		567	141	154
Examinees Passing %	50		44		51	41	33
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Environmental	8	62	64	1.6	66	62	60
Breadth - Geotechnical	8	60	62	1.7	64	59	57
Breadth - Structural	8	72	72	1.5	74	72	71
Breadth - Transportation	8	67	67	1.5	69	66	64
Breadth - Water Resources	8	58	61	1.5	63	61	58
Traffic Analysis	9	80	73	1.5	76	72	69
Transportation Planning/Construction	8	78	72	1.4	75	71	68
Geometric Design/Traffic Safety	9	75	72	1.7	74	70	66
Geotechnical	6	62	61	1.4	63	60	56
Water Resources	8	48	50	1.5	51	47	48

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Board Code:	71	School Code:	7101				
Major:	<b>Civil</b>	PM Exam:	<b>Civil-Water Resources</b>				
	*Institution	National			Comparator Groupings		

Examinees Taking	11	1,587	835	241	421		
Examinees Passing	5	866	522	123	165		
Examinees Passing %	45	55	63	51	39		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Environmental	8	61	68	1.5	70	67	64
Breadth - Geotechnical	8	65	63	1.7	65	61	59
Breadth - Structural	8	69	73	1.5	75	71	70
Breadth - Transportation	8	62	62	1.6	64	59	59
Breadth - Water Resources	8	71	66	1.5	68	67	61
Hydraulics	15	60	59	2.7	62	59	53
Hydrology	5	65	66	1.1	68	66	60
Water Treatment	6	56	49	1.4	52	50	43
Environmental	10	56	52	2.0	55	51	47
Geotechnical	4	57	61	1.1	64	62	56

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Principles and Practice of Engineering Examination  
ABET - Accredited Programs

200710  
2/15/2008

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>Civil</b>	PM Exam:	<b>Structural I</b>				
	*Institution	National			Comparator Groupings		

	1	299	211	43	26		
Examinees Taking	1	299	211	43	26		
Examinees Passing	0	114	79	16	11		
Examinees Passing %	0	38	37	37	42		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Analysis of Structures-Loads	6	17	60	1.2	59	60	60
Analysis of Structures-Lateral Forces	6	67	60	1.2	59	58	63
Analysis of Structures-Lateral Force Distribution	9	33	54	2.0	53	58	53
Analysis of Structures-Methods	4	100	72	0.8	70	77	72
Design and Details of Structures-General Structural C 6	6	67	67	1.3	67	65	63
Design and Details of Structures-Steel (AISC-AASHT 14	43	43	66	2.2	65	69	69
Design and Details of Structures-Concrete (AASHTO 13	38	38	72	2.2	72	72	67
Design and Details of Structures-Wood (NDS-ASD) 7	14	14	44	1.3	44	45	40
Design and Details of Structures-Masonry (ACI 530-L 7	43	43	53	1.5	55	51	49
Design and Details of Structures-Foundations & Reta 8	50	50	63	1.8	62	65	67

\* 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  
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200710  
2/15/2008

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>Electrical</b>	PM Exam:	<b>Electrical &amp; Computer-Computer</b>		
	*Institution	National	Comparator Groupings		

Examinees Taking	2	71	32	9	23		
Examinees Passing	2	47	26	6	10		
Examinees Passing %	100	66	81	67	43		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Basic ELE - Professionalism and Engineering Econor	2	75	65	0.6	64	61	63
Basic ELE - Safety & Reliability	3	67	66	0.8	75	67	55
Basic ELE - Electric Circuits	10	60	57	2.3	63	57	51
Basic ELE - Electric & Magnetic Field Theory & Appli	1	50	41	0.5	47	44	30
Basic ELE - Computer Systems & Engr	2	100	88	0.5	92	83	83
Electronics, Circuits & Components - Components	6	83	60	1.5	66	54	55
Electronics, Circuits & Components - Materials	2	25	42	0.8	48	22	41
Controls & Communications Systems	6	67	62	1.5	66	57	56
Power - Transmission & Distribution	5	60	48	1.2	50	49	43
Power - Rotating Machines & Elecromagnetic Device	3	34	42	1.0	45	29	39
General EE Knowledge - Interpret of Codes & Stand	2	25	39	0.7	45	33	30
General EE Knowledge - Microprocessor Systems	2	50	51	0.8	58	56	43
Hardware - Digital Electronics	6	50	59	1.5	62	57	55
Hardware - Design Analysis	7	64	60	1.5	65	64	53
Hardware - Systems	5	50	59	1.3	63	60	55
Software - System Software	5	50	43	1.0	42	44	40
Software - Development/Applications	9	50	54	1.8	58	53	49
Networks	4	62	53	1.0	55	58	51

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

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2/15/2008

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>Electrical</b>	PM Exam:	<b>Electrical &amp; Computer-ECC</b>			
	*Institution	National			Comparator Groupings	

Examinees Taking	1		119		57	18	28
Examinees Passing	1		81		48	12	13
Examinees Passing %	100		68		84	67	46
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Basic ELE - Professionalism and Engineering Econor	2	100	62	0.7	66	68	55
Basic ELE - Safety & Reliability	3	67	64	0.9	67	79	59
Basic ELE - Electric Circuits	10	100	62	2.3	65	63	53
Basic ELE - Electric & Magnetic Field Theory & Appli	1	100	49	0.5	61	58	21
Basic ELE - Computer Systems & Engr	2	100	89	0.5	90	92	88
Electronics, Circuits & Components - Components	6	100	64	1.4	69	62	58
Electronics, Circuits & Components - Materials	2	100	52	0.8	57	55	50
Controls & Communications Systems	6	83	67	1.4	74	71	58
Power - Transmission & Distribution	5	40	50	1.2	55	54	42
Power - Rotating Machines & Elecromagnetic Device	3	67	46	1.0	54	40	34
General EE Knowledge - Measurement & Instrument:	2	100	63	0.7	67	74	54
General EE Knowledge - Interpret of Codes & Standæ	1	100	57	0.5	61	79	39
General EE Knowledge - Computer Systems	1	100	51	0.5	58	47	39
Electronics - Electric Circuit Theory	4	75	39	1.0	42	39	35
Electronics - Electric & Magnetic Field Theory & Appl	3	0	40	1.0	47	44	32
Electronics - Components & Circuits	7	57	45	1.5	49	47	34
Control System Fundamentals	5	60	46	1.2	49	51	38
Control System Design/Implementation	1	100	42	0.5	46	42	36
Controls - Stability	4	100	52	1.0	55	50	46
Communications & Signal Processing	6	50	46	1.1	48	47	40
Communications - Noise & Interference	3	67	45	0.9	48	53	39
Telecommunications	3	67	36	0.8	37	49	31

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

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2/15/2008

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>Electrical</b>	PM Exam:	<b>Electrical &amp; Computer-Power</b>		
	*Institution	National		Comparator Groupings	

Examinees Taking	6	780	388	135	192		
Examinees Passing	4	401	228	67	77		
Examinees Passing %	67	51	59	50	40		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Basic ELE - Professionalism and Engineering Econor	2	17	57	0.7	59	56	56
Basic ELE - Safety & Reliability	3	84	69	0.9	73	73	62
Basic ELE - Electric Circuits	10	72	56	2.0	58	54	53
Basic ELE - Electric & Magnetic Field Theory & Appli	1	50	50	0.5	55	47	47
Basic ELE - Computer Systems & Engr	2	75	81	0.6	84	79	78
Electronics, Circuits & Components - Components	6	33	52	1.4	55	52	48
Electronics, Circuits & Components - Materials	2	25	40	0.7	43	37	36
Controls & Communications Systems	6	47	55	1.4	57	53	52
Power - Transmission & Distribution	5	47	52	1.3	55	53	46
Power - Rotating Machines & Elecromagnetic Device	3	44	55	1.0	58	54	51
General Power - Measure, Instrument & Statistics	2	67	57	0.5	60	58	54
General Power - Special Applications	1	67	34	0.5	37	35	32
General Power - Codes, Standards & Special Appls	3	94	67	0.9	69	70	63
Circuit Analysis - Analysis	6	56	47	1.4	49	44	43
Circuit Analysis - Devices and Power Electronic Circu	3	56	50	0.8	52	51	48
Circuit Analysis - Electric and Magnetic Fields and A	2	83	79	0.6	81	80	77
Rotating Machines	7	64	63	1.3	65	62	61
Electromagnetic Devices	4	58	54	1.0	57	52	52
Transmission & Distrib - Systems Analysis	6	47	49	1.3	51	54	45
Transmission & Distrib - Power System Performance	2	67	52	0.7	55	50	48
Transmission & Distrib - Protection	4	46	41	1.0	43	41	39

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

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200710  
2/15/2008

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>Materials</b>	PM Exam:	<b>Mechanical-Machine Design</b>			
	*Institution	National			Comparator Groupings	

Examinees Taking	1	2	2	0	0		
Examinees Passing	1	2	2	0	0		
Examinees Passing %	100	100	100	0	0		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
General - Codes & Standards - Engineering Principle 6	67	67	0.0	67	0	0	
General - Codes & Standards - Fundamental Enginee 5	100	100	0.0	100	0	0	
General - Codes & Standards - Interpretation of Code 1	100	100	0.0	100	0	0	
Machine Design & Materials - Principles	4	50	38	0.7	38	0	0
Machine Design & Materials - Applications	3	67	50	0.7	50	0	0
Hydraulics & Fluids - Principles	4	100	88	0.7	88	0	0
Hydraulics & Fluids - Applications	3	67	67	0.0	67	0	0
Energy Conversion/Power Systems - Principles	5	80	70	0.7	70	0	0
Energy Conversion/Power Systems - Analysis of Sys 2	50	50	0.0	50	0	0	
HVAC & Refrigeration - Principles	7	71	64	0.7	64	0	0
Engineering Principles	18	72	58	3.5	58	0	0
Machine Design - Components	14	43	43	0.0	43	0	0
Applications - Systems	3	33	66	1.4	66	0	0
Applications - Supportive Knowledge	5	80	40	2.8	40	0	0

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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>Mechanical</b>	PM Exam:	<b>Fire Protection</b>				
	*Institution	National			Comparator Groupings		

Examinees Taking	1	65	36	16	10		
Examinees Passing	0	28	11	11	5		
Examinees Passing %	0	43	31	69	50		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
FP Analysis - Type of Analysis	10	50	59	1.8	56	68	54
FP Analysis - Information Sources for Analysis	6	50	63	1.5	61	75	60
FP Management	8	38	68	1.7	65	78	68
Fire Science & Human Behavior - Fire Dynamics	8	38	57	1.7	52	66	65
Fire Science & Human Behavior - Human Response	4	50	51	1.0	46	53	60
FP System - Water-Based Fire Suppression Systems	10	30	56	2.3	51	68	59
FP System - Special Hazard Systems	4	50	47	1.2	43	52	52
FP System - Fire Detection and Alarm Systems	7	86	59	1.7	61	65	44
FP System - Smoke Management Systems	4	75	60	1.2	60	62	58
FP System - Explosion Protection and Prevention Sy:	3	33	35	0.9	33	42	30
Passive Building Systems - Building Construction	10	60	63	1.9	61	66	64
Passive Building Systems - Means of Egress	6	33	57	1.4	56	64	52

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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>Mechanical</b>	PM Exam:	<b>Mechanical-Machine Design</b>			
	*Institution	National	Comparator Groupings			

	2	346	204	57	55		
Examinees Taking	2	187	121	31	21		
Examinees Passing	100	54	59	54	38		
Examinees Passing %	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
General - Codes & Standards - Engineering Principle 6	58	65	1.4	67	66	58	
General - Codes & Standards - Fundamental Enginee 5	80	65	1.2	67	67	59	
General - Codes & Standards - Interpretation of Code 1	50	70	0.5	70	79	62	
Machine Design & Materials - Principles	4	62	57	1.1	57	58	55
Machine Design & Materials - Applications	3	66	59	0.9	61	53	55
Hydraulics & Fluids - Principles	4	75	72	1.0	74	68	67
Hydraulics & Fluids - Applications	3	66	56	1.0	58	49	54
Energy Conversion/Power Systems - Principles	5	40	45	1.2	45	43	46
Energy Conversion/Power Systems - Analysis of Sys 2	25	41	41	0.7	41	44	34
HVAC & Refrigeration - Principles	7	36	44	1.5	46	43	39
Engineering Principles	18	58	52	3.5	55	50	44
Machine Design - Components	14	78	53	2.7	55	52	45
Applications - Systems	3	67	56	0.9	58	49	52
Applications - Supportive Knowledge	5	40	51	1.2	54	53	42

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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>Mechanical</b>	PM Exam:	<b>Mechanical-Thermal &amp; Fluids</b>			
	*Institution	National			Comparator Groupings	

	3	379	218	47	85		
Examinees Taking	3	379	218	47	85		
Examinees Passing	1	191	131	19	23		
Examinees Passing %	33	50	60	40	27		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
General - Codes & Standards - Engineering Principle 6	72	69	1.4	73	61	64	
General - Codes & Standards - Fundamental Enginee 5	33	65	1.2	69	58	59	
General - Codes & Standards - Interpretation of Code 1	67	54	0.5	57	52	49	
Machine Design & Materials - Principles	4	33	43	1.0	44	43	42
Machine Design & Materials - Applications	3	56	46	0.8	48	41	43
Hydraulics & Fluids - Principles	4	42	72	1.0	74	70	69
Hydraulics & Fluids - Applications	3	45	54	0.9	55	49	52
Energy Conversion/Power Systems - Principles	5	27	53	1.4	56	46	49
Energy Conversion/Power Systems - Analysis of Sys 2	50	44	0.7	48	40	34	
HVAC & Refrigeration - Principles	7	33	47	1.6	50	43	41
Fundamentals - Engineering Principles	9	52	60	1.8	64	57	54
Fundamentals - Supportive Knowledges	4	50	55	1.2	59	49	46
Components - Hydraulic System Components	6	50	56	1.5	59	49	50
Components - Power Plant Components	8	54	53	1.8	55	50	45
Applications - System Applications	10	50	52	2.2	55	47	46
Applications - Supportive Knowledges	3	67	56	1.0	63	50	41

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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>Mining/Mineral</b>	PM Exam:	<b>Civil-Geotechnical</b>				
	*Institution	National			Comparator Groupings		

Examinees Taking	1	7	3	3	0		
Examinees Passing	1	6	2	3	0		
Examinees Passing %	100	86	67	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 ***
Breadth - Environmental	8	75	68	1.9	67	62	0
Breadth - Geotechnical	8	75	88	1.0	83	96	0
Breadth - Structural	8	100	78	1.4	92	71	0
Breadth - Transportation	8	75	59	0.8	66	50	0
Breadth - Water Resources	8	62	64	1.5	50	71	0
Subsurface Exploration & Sampling	4	50	68	1.0	50	92	0
Engineering Properties & Soil Mechanics	10	50	39	0.9	43	33	0
Foundations	6	17	45	1.1	39	56	0
Earth Retaining Structures & Seismic Engineering	6	33	36	1.1	22	39	0
Environmental	4	50	39	0.8	42	42	0
Structural	8	88	66	1.3	71	54	0
Transportation	2	50	57	0.7	67	67	0

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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>Mining/Mineral</b>	PM Exam:	<b>Civil-Transportation</b>				
	*Institution	National			Comparator Groupings		

Examinees Taking	1	4	4	0	0	0	
Examinees Passing	1	3	3	0	0	0	
Examinees Passing %	100	75	75	0	0	0	
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Environmental	8	75	72	0.5	72	0	0
Breadth - Geotechnical	8	88	53	2.1	53	0	0
Breadth - Structural	8	88	72	2.2	72	0	0
Breadth - Transportation	8	75	81	1.3	81	0	0
Breadth - Water Resources	8	88	85	0.5	85	0	0
Traffic Analysis	9	100	84	1.7	84	0	0
Transportation Planning/Construction	8	88	85	0.5	85	0	0
Geometric Design/Traffic Safety	9	67	81	2.1	81	0	0
Geotechnical	6	50	67	0.8	67	0	0
Water Resources	8	38	53	1.3	53	0	0

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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  
Principles and Practice of Engineering Examination  
ABET - Accredited Programs

200710  
2/15/2008

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>Civil-Water Resources</b>			
	*Institution	National			Comparator Groupings	

Examinees Taking	1	5	5	0	0		
Examinees Passing	0	2	2	0	0		
Examinees Passing %	0	40	40	0	0		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Breadth - Environmental	8	62	55	1.7	55	0	0
Breadth - Geotechnical	8	62	47	1.1	47	0	0
Breadth - Structural	8	75	85	0.8	85	0	0
Breadth - Transportation	8	62	60	1.1	60	0	0
Breadth - Water Resources	8	62	70	1.8	70	0	0
Hydraulics	15	20	44	3.6	44	0	0
Hydrology	5	0	52	1.5	52	0	0
Water Treatment	6	50	70	1.3	70	0	0
Environmental	10	40	42	2.0	42	0	0
Geotechnical	4	50	50	0.7	50	0	0

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Principles and Practice of Engineering Examination  
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200710  
2/15/2008

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>Mining &amp; Mineral</b>		
	*Institution	National		Comparator Groupings	

Examinees Taking	2	29		11	7	0	
Examinees Passing	1	20		5	5	0	
Examinees Passing %	50	69		45	71	0	
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Exploration: Methods & techniques	2	50	50	0.8	45	43	0
Exploration: Deposits modeling	1	0	76	0.4	64	86	0
Exploration: Geo conditions characterize site	2	0	60	0.7	55	64	0
Exploration: E&E resources/reserves	3	66	52	1.0	48	48	0
Mine Plan/Oper: Methods & layouts	9	78	79	1.5	71	81	0
Mine Plan/Oper: Equip, Fac, Systems	12	71	72	1.7	69	74	0
Mine Plan/Oper: E&D ground Control	9	72	74	1.3	74	73	0
Mine Plan/Oper: O&M mines & systems	6	58	67	1.3	56	69	0
Mineral Proc: Lab & Pilot T&A	4	62	69	0.8	66	61	0
Mineral Proc: D&E process flowsheets	9	56	54	2.0	41	56	0
Mineral Proc: P&D equip, fac & systems	8	82	76	1.3	72	70	0
Mineral Proc: O&M plants & facilities	3	50	51	0.8	52	33	0
Env & Reclaim: S, M & PE characterization	3	84	76	0.8	76	67	0
Env & Reclaim: M&P impact design	4	62	66	0.9	61	50	0
Env & Reclaim: O&M Env Plan	2	50	64	0.5	55	64	0
Env & Reclaim: Close & Reclaim site	3	50	77	0.6	70	76	0

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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>Structural</b>	PM Exam:	<b>Structural I</b>				
	*Institution	National			Comparator Groupings		

	1	147	109	20	12		
Examinees Taking	1	147	109	20	12		
Examinees Passing	0	53	42	8	1		
Examinees Passing %	0	36	39	40	8		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Carnegie 1 AVG % Correct ***	Carnegie 2 AVG % Correct ***	Carnegie 3 AVG % Correct ***
Analysis of Structures-Loads	6	50	63	1.2	64	62	58
Analysis of Structures-Lateral Forces	6	50	59	1.1	59	62	57
Analysis of Structures-Lateral Force Distribution	9	67	55	1.8	55	53	58
Analysis of Structures-Methods	4	50	72	0.8	73	70	65
Design and Details of Structures-General Structural C 6	6	50	67	1.2	67	71	57
Design and Details of Structures-Steel (AISC-AASHT 14	14	71	67	2.0	68	69	61
Design and Details of Structures-Concrete (AASHTO 13	13	54	71	2.3	71	72	67
Design and Details of Structures-Wood (NDS-ASD) 7	7	29	45	1.3	46	48	41
Design and Details of Structures-Masonry (ACI 530-L 7	7	29	53	1.4	53	55	48
Design and Details of Structures-Foundations & Reta 8	8	25	58	1.8	59	58	50

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