

NCEES
Fundamentals of Engineering Examination
 ABET - Accredited Programs

Graduates **Engineering**
 Subject Matter Report by Major and PM Examination

Board Code: **71**
 Major **Agricultural**

Institution: **University of Kentucky, Lexington**
 School Code: **7101**
 PM Exam **FE - Other Disciplines**

	*Institution	National		Carnegie Comparator	
Examinees Taking	2	11		5	
Examinees Passing	2	9		5	
Examinees Passing %	100	82		100	
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
AM Subject					
Mathematics	19	68	74	3.4	83
Engineering Probability & Statistics	8	38	50	1.7	55
Chemistry	11	64	71	2.0	75
Computers	8	75	78	1.4	80
Ethics & Business Practices	8	69	86	1.0	83
Engineering Economics	10	80	78	1.6	88
Engineering Mechanics (Statics)	8	75	69	1.2	75
Engineering Mechanics (Dynamics)	5	30	38	1.3	48
Strength of Materials	8	69	49	2.0	63
Material Properties	8	44	56	1.6	60
Fluid Mechanics	8	44	55	1.6	58
Electricity & Magnetism	11	59	56	2.1	65
Thermodynamics	8	44	67	1.9	68
PM Subject					
Advanced Engineering Mathematics	6	42	67	1.5	70
Engineering Probability & Statistics PM	5	90	76	0.9	92
Biology	3	67	73	0.6	73
Engineering Economics PM	6	67	76	1.1	80
Application of Engineering Mechanics	8	69	66	1.4	70
Engineering of Materials	7	71	70	1.2	74
Fluids	9	72	58	2.4	73
Electricity & Magnetism PM	7	43	49	1.4	57
Thermodynamics & Heat Transfer	9	28	47	1.4	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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Graduates Subject Matter Report by Major and PM Examination		Institution: School Code: PM Exam		University of Kentucky, Lexington 7101 FE - Civil	
Board Code: Major	71 Civil				

	*Institution	National	Carnegie Comparator		
Examinees Taking	5	1,373	340		
Examinees Passing	3	499	123		
Examinees Passing %	60	36	36		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	75	66	3.3	65
Engineering Probability & Statistics	8	55	39	1.6	40
Chemistry	11	65	61	2.0	61
Computers	8	78	68	1.4	66
Ethics & Business Practices	8	85	83	1.4	85
Engineering Economics	10	80	63	2.1	64
Engineering Mechanics (Statics)	8	65	59	1.7	59
Engineering Mechanics (Dynamics)	5	36	34	1.2	32
Strength of Materials	8	50	43	1.6	43
Material Properties	8	68	48	1.5	48
Fluid Mechanics	8	60	51	1.6	51
Electricity & Magnetism	11	44	44	2.1	44
Thermodynamics	8	53	44	1.7	46

PM Subject

Surveying	7	71	56	1.4	57
Hydraulics & Hydrologic Systems	7	63	47	1.5	48
Soil Mechanics & Foundations	9	47	51	1.7	50
Environmental Engineering	7	63	50	1.4	51
Transportation	7	66	63	1.5	64
Structural Analysis	6	50	33	1.2	34
Structural Design	6	43	40	1.3	38
Construction Management	6	67	63	1.3	64
Materials	5	52	50	1.2	50

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Graduates **Engineering**
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Board Code: **71**
 Major **Civil**

Institution: **University of Kentucky, Lexington**
 School Code: **7101**
 PM Exam **FE - Other Disciplines**

	*Institution	National	Carnegie Comparator		
Examinees Taking	1	534	130		
Examinees Passing	0	185	52		
Examinees Passing %	0	35	40		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	84	68	3.0	71
Engineering Probability & Statistics	8	13	40	1.5	41
Chemistry	11	45	60	2.1	63
Computers	8	38	68	1.4	68
Ethics & Business Practices	8	75	81	1.6	82
Engineering Economics	10	90	63	2.2	65
Engineering Mechanics (Statics)	8	88	58	1.8	61
Engineering Mechanics (Dynamics)	5	0	36	1.1	36
Strength of Materials	8	13	40	1.6	45
Material Properties	8	50	46	1.5	45
Fluid Mechanics	8	63	50	1.5	50
Electricity & Magnetism	11	64	45	2.1	47
Thermodynamics	8	50	41	1.7	44

PM Subject

Advanced Engineering Mathematics	6	67	61	1.3	63
Engineering Probability & Statistics PM	5	40	62	1.2	64
Biology	3	67	67	0.8	69
Engineering Economics PM	6	50	61	1.4	64
Application of Engineering Mechanics	8	63	55	1.6	57
Engineering of Materials	7	71	55	1.3	55
Fluids	9	33	46	2.0	48
Electricity & Magnetism PM	7	29	36	1.4	37
Thermodynamics & Heat Transfer	9	33	34	1.5	33

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Graduates **Engineering**
 Subject Matter Report by Major and PM Examination

Board Code: **71**
 Major **Electrical**

Institution: **University of Kentucky, Lexington**
 School Code: **7101**
 PM Exam **FE - Electrical**

	*Institution	National		Carnegie Comparator	
Examinees Taking	6	822		214	
Examinees Passing	2	452		125	
Examinees Passing %	33	55		58	
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
AM Subject					
Mathematics	19	66	73	3.2	74
Engineering Probability & Statistics	8	48	46	1.7	47
Chemistry	11	58	65	2.1	65
Computers	8	88	83	1.2	84
Ethics & Business Practices	8	94	83	1.5	83
Engineering Economics	10	57	63	2.4	66
Engineering Mechanics (Statics)	8	58	52	1.7	56
Engineering Mechanics (Dynamics)	5	40	35	1.3	38
Strength of Materials	8	27	34	1.5	37
Material Properties	8	44	48	1.6	48
Fluid Mechanics	8	33	43	1.5	43
Electricity & Magnetism	11	64	73	2.1	74
Thermodynamics	8	56	52	1.8	55
PM Subject					
Circuits	10	55	57	1.7	56
Power	8	58	57	1.7	60
Electromagnetics	4	50	53	1.0	55
Control Systems	6	31	49	1.3	49
Communications	5	27	41	1.2	40
Signal Processing	5	47	45	1.2	46
Electronics	9	59	49	1.9	50
Digital Systems	7	50	53	1.8	54
Computer Systems	6	47	42	1.5	45

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Graduates Subject Matter Report by Major and PM Examination		Institution: University of Kentucky, Lexington	
Board Code: 71	Engineering	School Code: 7101	
Major: Materials		PM Exam: FE - Other Disciplines	

	*Institution	National	Carnegie Comparator		
Examinees Taking	1	19	7		
Examinees Passing	1	18	7		
Examinees Passing %	100	95	100		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	74	82	3.0	83
Engineering Probability & Statistics	8	88	59	1.6	63
Chemistry	11	82	84	1.7	84
Computers	8	88	82	1.1	77
Ethics & Business Practices	8	88	86	1.2	88
Engineering Economics	10	60	75	1.8	73
Engineering Mechanics (Statics)	8	88	70	1.7	73
Engineering Mechanics (Dynamics)	5	20	64	1.4	57
Strength of Materials	8	25	61	1.8	61
Material Properties	8	50	79	1.5	86
Fluid Mechanics	8	75	70	1.4	71
Electricity & Magnetism	11	73	75	1.8	77
Thermodynamics	8	75	73	2.1	84

PM Subject

Advanced Engineering Mathematics	6	100	78	1.4	79
Engineering Probability & Statistics PM	5	80	87	0.7	83
Biology	3	67	91	0.5	95
Engineering Economics PM	6	83	81	0.9	86
Application of Engineering Mechanics	8	75	79	1.5	80
Engineering of Materials	7	43	77	1.6	71
Fluids	9	44	57	2.1	48
Electricity & Magnetism PM	7	29	43	0.8	37
Thermodynamics & Heat Transfer	9	33	59	1.8	57

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Graduates Subject Matter Report by Major and PM Examination	Engineering	Institution: School Code: PM Exam	University of Kentucky, Lexington 7101 FE - Mechanical
Board Code: Major	71 Mechanical		

	*Institution	National	Carnegie Comparator		
Examinees Taking	4	927	248		
Examinees Passing	4	715	179		
Examinees Passing %	100	77	72		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	79	78	3.1	75
Engineering Probability & Statistics	8	69	53	1.7	52
Chemistry	11	68	71	2.0	70
Computers	8	84	81	1.2	80
Ethics & Business Practices	8	75	87	1.1	87
Engineering Economics	10	75	71	2.1	71
Engineering Mechanics (Statics)	8	63	70	1.6	69
Engineering Mechanics (Dynamics)	5	65	53	1.4	49
Strength of Materials	8	69	57	1.9	57
Material Properties	8	72	61	1.5	60
Fluid Mechanics	8	63	63	1.7	61
Electricity & Magnetism	11	61	65	2.4	62
Thermodynamics	8	59	65	2.0	65

PM Subject

Mechanical Design & Analysis	9	86	65	1.8	62
Kinematics & Dynamics & Vibrations	9	58	53	1.8	51
Materials & Processing	6	67	51	1.5	49
Measurements & Instrumentation & Controls	6	62	58	1.5	56
Thermodynamics & Energy Conversion Processes	9	72	51	1.9	51
Fluid Mechanics & Fluid Machinery	9	67	62	2.0	59
Heat Transfer	6	42	57	1.4	55
Refrigeration & HVAC	6	37	51	1.4	50

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Graduates Subject Matter Report by Major and PM Examination		Institution: University of Kentucky, Lexington	
Board Code: 71	Engineering	School Code: 7101	
Major: Mechanical		PM Exam	FE - Other Disciplines

	*Institution	National	Carnegie Comparator		
Examinees Taking	2	394	82		
Examinees Passing	2	223	49		
Examinees Passing %	100	57	60		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	79	72	3.2	71
Engineering Probability & Statistics	8	44	44	1.6	45
Chemistry	11	82	65	2.1	65
Computers	8	81	76	1.4	76
Ethics & Business Practices	8	88	81	1.7	84
Engineering Economics	10	90	64	2.4	67
Engineering Mechanics (Statics)	8	56	62	1.7	61
Engineering Mechanics (Dynamics)	5	40	40	1.3	42
Strength of Materials	8	56	45	1.9	46
Material Properties	8	75	54	1.6	56
Fluid Mechanics	8	25	57	1.6	57
Electricity & Magnetism	11	32	58	2.4	57
Thermodynamics	8	56	56	1.9	56

PM Subject

Advanced Engineering Mathematics	6	83	67	1.3	65
Engineering Probability & Statistics PM	5	80	68	1.1	69
Biology	3	67	67	0.8	70
Engineering Economics PM	6	75	65	1.5	69
Application of Engineering Mechanics	8	69	62	1.5	64
Engineering of Materials	7	57	62	1.5	61
Fluids	9	56	57	2.2	57
Electricity & Magnetism PM	7	57	46	1.4	42
Thermodynamics & Heat Transfer	9	56	42	1.7	42

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