

**NCEES**  
**Fundamentals of Engineering Examination**  
 ABET - Accredited Programs

Currently Enrolled **Engineering**  
 Subject Matter Report by Major and PM Examination

Board Code: <b>71</b>	Institution: <b>University of Kentucky, Lexington</b>
Major: <b>Agricultural</b>	School Code: <b>7101</b>
	PM Exam: <b>FE - Other Disciplines</b>

	*Institution	National	Carnegie Comparator		
Examinees Taking	3	51	16		
Examinees Passing	1	38	11		
Examinees Passing %	33	75	69		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

**AM Subject**

Mathematics	19	51	57	2.8	58
Engineering Probability & Statistics	8	83	76	1.3	77
Chemistry	11	55	58	2.1	52
Computers	8	67	70	1.3	71
Ethics & Business Practices	8	71	82	1.1	79
Engineering Economics	10	60	55	1.8	58
Engineering Mechanics (Statics)	8	50	63	1.6	66
Engineering Mechanics (Dynamics)	5	53	55	1.1	54
Strength of Materials	8	50	56	1.8	59
Material Properties	8	46	61	1.7	58
Fluid Mechanics	8	63	62	1.6	67
Electricity & Magnetism	11	39	47	2.1	46
Thermodynamics	8	38	52	1.8	52

**PM Subject**

Advanced Engineering Mathematics	6	50	47	1.1	48
Engineering Probability & Statistics PM	5	67	69	1.0	73
Biology	3	67	50	0.9	56
Engineering Economics PM	6	78	60	1.2	66
Application of Engineering Mechanics	8	58	42	1.6	45
Engineering of Materials	7	71	62	1.3	63
Fluids	9	78	66	1.6	72
Electricity & Magnetism PM	7	43	45	1.3	43
Thermodynamics & Heat Transfer	9	59	50	1.5	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 of the above is based on number of questions correct not percentage of questions correct.

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Board Code:	<b>71</b>	Institution:	<b>University of Kentucky, Lexington</b>
Major	<b>Civil</b>	School Code:	<b>7101</b>
		PM Exam	<b>FE - Civil</b>

	*Institution	National		Carnegie Comparator	
Examinees Taking	22	4,140		1,264	
Examinees Passing	19	3,198		1,015	
Examinees Passing %	86	77		80	
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

**AM Subject**

Mathematics	19	63	61	3.1	60
Engineering Probability & Statistics	8	76	74	1.5	75
Chemistry	11	69	59	2.0	60
Computers	8	63	64	1.5	63
Ethics & Business Practices	8	82	82	1.2	83
Engineering Economics	10	60	63	2.0	64
Engineering Mechanics (Statics)	8	61	68	1.6	69
Engineering Mechanics (Dynamics)	5	53	56	1.2	56
Strength of Materials	8	55	59	1.8	60
Material Properties	8	52	55	1.6	55
Fluid Mechanics	8	62	61	1.9	60
Electricity & Magnetism	11	34	42	2.2	40
Thermodynamics	8	54	47	1.7	48

**PM Subject**

Surveying	7	72	67	1.4	68
Hydraulics & Hydrologic Systems	7	58	60	1.5	62
Soil Mechanics & Foundations	9	73	66	1.8	67
Environmental Engineering	7	44	46	1.3	46
Transportation	7	66	57	1.5	57
Structural Analysis	6	62	58	1.3	58
Structural Design	6	39	50	1.4	50
Construction Management	6	73	67	1.2	69
Materials	5	71	64	1.1	66

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Board Code:	<b>71</b>	Institution:	<b>University of Kentucky, Lexington</b>
Major	<b>Electrical</b>	School Code:	<b>7101</b>
		PM Exam	<b>FE - Electrical</b>

	*Institution	National	Carnegie Comparator		
Examinees Taking	5	730	190		
Examinees Passing	3	505	138		
Examinees Passing %	60	69	73		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

**AM Subject**

Mathematics	19	77	68	3.1	70
Engineering Probability & Statistics	8	80	73	1.5	74
Chemistry	11	49	56	2.3	56
Computers	8	80	78	1.4	79
Ethics & Business Practices	8	85	81	1.2	83
Engineering Economics	10	38	56	2.1	57
Engineering Mechanics (Statics)	8	30	46	1.7	48
Engineering Mechanics (Dynamics)	5	32	52	1.2	52
Strength of Materials	8	48	36	1.4	36
Material Properties	8	48	54	1.6	56
Fluid Mechanics	8	43	42	1.8	42
Electricity & Magnetism	11	75	73	2.0	75
Thermodynamics	8	40	46	1.7	46

**PM Subject**

Circuits	10	50	58	2.2	60
Power	8	75	59	1.9	62
Electromagnetics	4	45	51	1.1	54
Control Systems	6	37	46	1.2	47
Communications	5	32	32	1.1	33
Signal Processing	5	40	47	1.2	50
Electronics	9	38	52	1.8	54
Digital Systems	7	49	57	1.6	59
Computer Systems	6	40	62	1.2	64

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Board Code:	<b>71</b>	Institution:	<b>University of Kentucky, Lexington</b>
Major	<b>General Engineering</b>	School Code:	<b>7101</b>
		PM Exam	<b>FE - Other Disciplines</b>

	*Institution	National		Carnegie Comparator	
Examinees Taking	1	35		4	
Examinees Passing	1	24		3	
Examinees Passing %	100	69		75	
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

**AM Subject**

Mathematics	19	47	63	3.2	59
Engineering Probability & Statistics	8	63	73	1.7	75
Chemistry	11	36	60	2.0	57
Computers	8	50	66	1.3	59
Ethics & Business Practices	8	100	83	1.2	78
Engineering Economics	10	40	60	1.9	53
Engineering Mechanics (Statics)	8	25	61	1.7	59
Engineering Mechanics (Dynamics)	5	20	54	1.1	35
Strength of Materials	8	38	55	1.9	53
Material Properties	8	88	65	1.8	66
Fluid Mechanics	8	50	59	1.9	56
Electricity & Magnetism	11	73	58	2.4	61
Thermodynamics	8	25	51	2.1	38

**PM Subject**

Advanced Engineering Mathematics	6	67	49	1.2	54
Engineering Probability & Statistics PM	5	80	61	1.1	55
Biology	3	33	41	1.0	25
Engineering Economics PM	6	17	60	1.4	46
Application of Engineering Mechanics	8	38	35	1.3	41
Engineering of Materials	7	57	61	1.5	64
Fluids	9	56	63	1.7	61
Electricity & Magnetism PM	7	57	49	1.7	50
Thermodynamics & Heat Transfer	9	56	54	1.3	53

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Board Code:	<b>71</b>	Institution:	<b>University of Kentucky, Lexington</b>
Major	<b>Materials</b>	School Code:	<b>7101</b>
		PM Exam	<b>FE - Other Disciplines</b>

	*Institution	National		Carnegie Comparator	
Examinees Taking	1	25		8	
Examinees Passing	0	19		5	
Examinees Passing %	0	76		63	
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

**AM Subject**

Mathematics	19	58	67	3.2	61
Engineering Probability & Statistics	8	75	78	1.3	78
Chemistry	11	64	77	2.1	73
Computers	8	75	72	2.1	63
Ethics & Business Practices	8	88	87	1.0	89
Engineering Economics	10	20	50	2.0	54
Engineering Mechanics (Statics)	8	38	55	2.0	56
Engineering Mechanics (Dynamics)	5	40	54	0.9	50
Strength of Materials	8	50	53	1.9	48
Material Properties	8	88	76	1.5	77
Fluid Mechanics	8	38	49	1.8	44
Electricity & Magnetism	11	45	59	2.2	58
Thermodynamics	8	63	61	1.7	69

**PM Subject**

Advanced Engineering Mathematics	6	67	63	1.2	62
Engineering Probability & Statistics PM	5	60	70	1.2	70
Biology	3	67	51	0.8	42
Engineering Economics PM	6	50	61	1.1	71
Application of Engineering Mechanics	8	25	38	1.4	45
Engineering of Materials	7	57	82	1.3	80
Fluids	9	44	50	1.8	50
Electricity & Magnetism PM	7	29	45	1.5	39
Thermodynamics & Heat Transfer	9	33	55	1.7	46

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Board Code:	<b>71</b>	Institution:	<b>University of Kentucky, Lexington</b>
Major	<b>Mechanical</b>	School Code:	<b>7101</b>
		PM Exam	<b>FE - Other Disciplines</b>

	*Institution	National	Carnegie Comparator		
Examinees Taking	3	513	105		
Examinees Passing	3	412	87		
Examinees Passing %	100	80	83		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

**AM Subject**

Mathematics	19	72	66	2.9	69
Engineering Probability & Statistics	8	75	74	1.5	77
Chemistry	11	58	57	2.0	59
Computers	8	71	70	1.5	71
Ethics & Business Practices	8	83	82	1.2	82
Engineering Economics	10	47	58	2.0	61
Engineering Mechanics (Statics)	8	63	64	1.7	66
Engineering Mechanics (Dynamics)	5	67	62	1.1	64
Strength of Materials	8	67	58	1.7	59
Material Properties	8	71	68	1.5	68
Fluid Mechanics	8	63	62	1.7	61
Electricity & Magnetism	11	61	55	2.3	56
Thermodynamics	8	71	57	1.8	58

**PM Subject**

Advanced Engineering Mathematics	6	50	57	1.3	56
Engineering Probability & Statistics PM	5	67	69	1.1	70
Biology	3	22	45	0.9	47
Engineering Economics PM	6	50	60	1.5	62
Application of Engineering Mechanics	8	25	44	1.5	45
Engineering of Materials	7	62	66	1.4	66
Fluids	9	52	64	1.7	65
Electricity & Magnetism PM	7	48	46	1.5	46
Thermodynamics & Heat Transfer	9	48	56	1.7	56

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 Subject Matter Report by Major and PM Examination

Board Code:	<b>71</b>	Institution:	<b>University of Kentucky, Lexington</b>
Major	<b>Mining/Mineral</b>	School Code:	<b>7101</b>
		PM Exam	<b>FE - Other Disciplines</b>

	*Institution	National		Carnegie Comparator	
Examinees Taking	5	58		16	
Examinees Passing	3	31		6	
Examinees Passing %	60	53		38	
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

**AM Subject**

Mathematics	19	57	56	2.9	54
Engineering Probability & Statistics	8	80	72	1.6	72
Chemistry	11	55	58	2.2	55
Computers	8	55	59	1.5	57
Ethics & Business Practices	8	90	83	1.3	81
Engineering Economics	10	58	58	1.9	54
Engineering Mechanics (Statics)	8	43	55	1.8	41
Engineering Mechanics (Dynamics)	5	52	56	1.1	48
Strength of Materials	8	48	44	1.5	41
Material Properties	8	55	56	1.6	56
Fluid Mechanics	8	58	58	1.8	52
Electricity & Magnetism	11	31	46	2.2	39
Thermodynamics	8	43	50	1.7	44

**PM Subject**

Advanced Engineering Mathematics	6	47	49	1.5	41
Engineering Probability & Statistics PM	5	68	66	1.2	69
Biology	3	60	44	0.8	52
Engineering Economics PM	6	83	61	1.5	61
Application of Engineering Mechanics	8	45	33	1.1	36
Engineering of Materials	7	57	58	1.4	51
Fluids	9	62	58	1.6	49
Electricity & Magnetism PM	7	34	37	1.4	33
Thermodynamics & Heat Transfer	9	42	44	1.5	44

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