

NCEES

Fundamentals of Engineering Examination

ABET - Accredited Programs

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

	*Institution	National	Carnegie Comparator		
Examinees Taking	2	62	13		
Examinees Passing	2	46	11		
Examinees Passing %	100	74	85		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	74	70	3.4	70
Engineering Probability & Statistics	8	63	56	1.5	52
Chemistry	11	77	77	2.0	85
Computers	8	69	73	1.7	76
Ethics & Business Practices	8	75	77	1.0	75
Engineering Economics	10	75	57	1.8	61
Engineering Mechanics (Statics)	8	44	53	1.8	46
Engineering Mechanics (Dynamics)	5	40	43	1.2	38
Strength of Materials	8	75	51	1.9	49
Material Properties	8	88	60	1.5	65
Fluid Mechanics	8	75	57	1.8	62
Electricity & Magnetism	11	50	57	2.2	55
Thermodynamics	8	50	49	1.8	52

PM Subject

Advanced Engineering Mathematics	6	83	68	1.2	69
Engineering Probability & Statistics PM	5	50	65	1.0	62
Biology	3	67	63	0.8	62
Engineering Economics PM	6	75	61	1.3	51
Application of Engineering Mechanics	8	38	47	1.5	44
Engineering of Materials	7	79	65	1.5	68
Fluids	9	56	50	1.8	51
Electricity & Magnetism PM	7	57	56	1.3	55
Thermodynamics & Heat Transfer	9	22	32	1.5	31

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

	*Institution	National	Carnegie Comparator		
Examinees Taking	29	4,340	1,335		
Examinees Passing	21	3,174	998		
Examinees Passing %	72	73	75		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	67	62	3.3	61
Engineering Probability & Statistics	8	60	54	1.5	54
Chemistry	11	72	62	2.3	62
Computers	8	69	67	1.6	66
Ethics & Business Practices	8	80	77	1.2	78
Engineering Economics	10	75	63	2.0	65
Engineering Mechanics (Statics)	8	62	57	1.7	57
Engineering Mechanics (Dynamics)	5	38	38	1.2	38
Strength of Materials	8	63	63	1.8	63
Material Properties	8	59	61	1.5	62
Fluid Mechanics	8	66	63	1.9	64
Electricity & Magnetism	11	37	39	2.0	39
Thermodynamics	8	41	44	1.5	43

PM Subject

Surveying	7	54	51	1.5	52
Hydraulics & Hydrologic Systems	7	55	56	1.6	57
Soil Mechanics & Foundations	9	71	68	1.8	69
Environmental Engineering	7	59	56	1.4	57
Transportation	7	80	70	1.4	71
Structural Analysis	6	47	45	1.3	45
Structural Design	6	48	48	1.4	48
Construction Management	6	66	54	1.3	56
Materials	5	72	55	1.1	55

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

	*Institution	National	Carnegie Comparator		
Examinees Taking	5	809	218		
Examinees Passing	3	530	153		
Examinees Passing %	60	66	70		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	74	69	3.3	70
Engineering Probability & Statistics	8	53	55	1.5	57
Chemistry	11	53	57	2.2	60
Computers	8	73	77	1.6	80
Ethics & Business Practices	8	85	75	1.2	76
Engineering Economics	10	56	58	2.0	59
Engineering Mechanics (Statics)	8	38	43	1.7	46
Engineering Mechanics (Dynamics)	5	24	37	1.2	38
Strength of Materials	8	25	39	1.5	41
Material Properties	8	43	54	1.7	54
Fluid Mechanics	8	38	42	1.7	43
Electricity & Magnetism	11	76	69	2.3	71
Thermodynamics	8	28	45	1.5	46

PM Subject

Circuits	10	42	48	2.2	52
Power	8	75	65	1.6	68
Electromagnetics	4	50	46	1.1	49
Control Systems	6	13	44	1.5	44
Communications	5	64	50	1.1	51
Signal Processing	5	36	47	1.3	47
Electronics	9	51	52	1.7	54
Digital Systems	7	60	50	1.7	52
Computer Systems	6	63	58	1.6	61

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

	*Institution	National	Carnegie Comparator
Examinees Taking	1	36	7
Examinees Passing	1	31	6
Examinees Passing %	100	86	86

# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
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AM Subject

Mathematics	19	74	64	2.9	55
Engineering Probability & Statistics	8	50	60	1.2	66
Chemistry	11	64	73	1.6	82
Computers	8	38	72	1.5	59
Ethics & Business Practices	8	50	76	1.3	82
Engineering Economics	10	50	66	2.1	60
Engineering Mechanics (Statics)	8	50	55	1.1	52
Engineering Mechanics (Dynamics)	5	60	40	1.2	40
Strength of Materials	8	63	56	1.5	64
Material Properties	8	50	64	1.5	66
Fluid Mechanics	8	63	62	2.0	54
Electricity & Magnetism	11	45	43	1.9	47
Thermodynamics	8	63	60	1.5	66

PM Subject

Advanced Engineering Mathematics	6	50	64	1.1	64
Engineering Probability & Statistics PM	5	60	61	1.1	51
Biology	3	33	66	0.7	48
Engineering Economics PM	6	83	68	1.1	71
Application of Engineering Mechanics	8	38	48	1.5	43
Engineering of Materials	7	14	65	1.3	65
Fluids	9	67	59	1.5	56
Electricity & Magnetism PM	7	43	49	1.4	37
Thermodynamics & Heat Transfer	9	22	35	1.6	27

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

	*Institution	National		Carnegie Comparator
Examinees Taking	16	2,912		965
Examinees Passing	15	2,296		770
Examinees Passing %	94	79		80
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **
				Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	79	70	3.1	70
Engineering Probability & Statistics	8	57	55	1.5	57
Chemistry	11	60	61	2.2	62
Computers	8	74	77	1.5	77
Ethics & Business Practices	8	76	76	1.2	76
Engineering Economics	10	62	62	2.0	64
Engineering Mechanics (Statics)	8	58	59	1.7	59
Engineering Mechanics (Dynamics)	5	51	47	1.2	46
Strength of Materials	8	82	68	1.7	68
Material Properties	8	71	67	1.4	67
Fluid Mechanics	8	60	67	1.8	67
Electricity & Magnetism	11	59	53	2.4	52
Thermodynamics	8	63	57	1.7	58

PM Subject

Mechanical Design & Analysis	9	65	53	1.7	53
Kinematics & Dynamics & Vibrations	9	60	58	1.6	57
Materials & Processing	6	61	59	1.3	59
Measurements & Instrumentation & Controls	6	69	61	1.3	62
Thermodynamics & Energy Conversion Processes	9	70	66	1.5	66
Fluid Mechanics & Fluid Machinery	9	67	65	1.7	65
Heat Transfer	6	70	67	1.3	67
Refrigeration & HVAC	6	55	47	1.6	47

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

	*Institution	National	Carnegie Comparator
Examinees Taking	2	392	48
Examinees Passing	1	269	32
Examinees Passing %	50	69	67

# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
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AM Subject

Mathematics	19	74	67	3.4	67
Engineering Probability & Statistics	8	69	54	1.6	56
Chemistry	11	55	56	2.3	54
Computers	8	75	72	1.7	73
Ethics & Business Practices	8	75	74	1.2	76
Engineering Economics	10	70	57	2.1	57
Engineering Mechanics (Statics)	8	63	54	1.9	59
Engineering Mechanics (Dynamics)	5	50	42	1.2	44
Strength of Materials	8	56	61	1.9	57
Material Properties	8	63	63	1.7	57
Fluid Mechanics	8	81	60	2.0	58
Electricity & Magnetism	11	55	50	2.5	47
Thermodynamics	8	81	52	1.8	51

PM Subject

Advanced Engineering Mathematics	6	83	64	1.4	66
Engineering Probability & Statistics PM	5	70	59	1.1	59
Biology	3	83	57	0.8	58
Engineering Economics PM	6	75	60	1.3	61
Application of Engineering Mechanics	8	50	56	1.6	55
Engineering of Materials	7	93	65	1.6	60
Fluids	9	50	55	1.7	53
Electricity & Magnetism PM	7	36	52	1.5	48
Thermodynamics & Heat Transfer	9	50	36	1.7	36

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Currently Enrolled	Engineering	Institution:
Subject Matter Report by Major and PM Examination		University of Kentucky, Lexington
Board Code:	71	School Code:
Major	Mining/Mineral	7101
		PM Exam
		FE - Other Disciplines

	*Institution	National	Carnegie Comparator
Examinees Taking	15	67	21
Examinees Passing	12	40	15
Examinees Passing %	80	60	71

# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
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AM Subject

Mathematics	19	70	60	3.6	66
Engineering Probability & Statistics	8	58	50	1.5	55
Chemistry	11	67	61	2.5	64
Computers	8	72	67	1.7	71
Ethics & Business Practices	8	75	76	1.2	78
Engineering Economics	10	79	71	1.8	76
Engineering Mechanics (Statics)	8	54	50	1.7	51
Engineering Mechanics (Dynamics)	5	53	38	1.2	48
Strength of Materials	8	60	53	1.8	55
Material Properties	8	67	63	1.5	63
Fluid Mechanics	8	73	63	1.7	68
Electricity & Magnetism	11	55	48	2.5	48
Thermodynamics	8	52	50	1.4	51

PM Subject

Advanced Engineering Mathematics	6	68	59	1.2	68
Engineering Probability & Statistics PM	5	67	60	1.0	65
Biology	3	69	64	0.7	63
Engineering Economics PM	6	64	68	1.1	66
Application of Engineering Mechanics	8	51	49	1.5	49
Engineering of Materials	7	70	59	1.5	67
Fluids	9	53	49	1.9	50
Electricity & Magnetism PM	7	50	47	1.3	50
Thermodynamics & Heat Transfer	9	43	35	1.6	40

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