

NCEES
Fundamentals of Engineering Examination
 ABET - Accredited Programs

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

	*Institution	National	Carnegie Comparator
Examinees Taking	1	11	4
Examinees Passing	1	8	4
Examinees Passing %	100	73	100

	# 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	58	67	2.8	66
Engineering Probability & Statistics	8	75	61	1.2	75
Chemistry	11	82	64	1.6	70
Computers	8	63	67	1.6	72
Ethics & Business Practices	8	88	81	1.4	72
Engineering Economics	10	90	61	2.1	78
Engineering Mechanics (Statics)	8	75	67	1.4	72
Engineering Mechanics (Dynamics)	5	60	58	1.2	60
Strength of Materials	8	50	63	2.0	66
Material Properties	8	38	51	1.8	50
Fluid Mechanics	8	88	65	1.3	63
Electricity & Magnetism	11	64	52	2.6	59
Thermodynamics	8	75	70	2.7	88

PM Subject

Advanced Engineering Mathematics	6	50	56	1.4	54
Engineering Probability & Statistics PM	5	80	42	1.1	55
Biology	3	67	85	0.5	75
Engineering Economics PM	6	67	53	1.7	58
Application of Engineering Mechanics	8	88	64	1.5	75
Engineering of Materials	7	100	68	1.4	71
Fluids	9	56	62	1.9	69
Electricity & Magnetism PM	7	14	56	1.9	54
Thermodynamics & Heat Transfer	9	56	58	2.0	56

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

	*Institution	National	Carnegie Comparator
Examinees Taking	1	234	60
Examinees Passing	1	181	44
Examinees Passing %	100	77	73

	# 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	58	71	3.1	66
Engineering Probability & Statistics	8	25	65	1.5	61
Chemistry	11	64	78	1.4	75
Computers	8	63	68	1.5	67
Ethics & Business Practices	8	88	79	1.5	81
Engineering Economics	10	80	65	2.3	67
Engineering Mechanics (Statics)	8	50	59	1.7	52
Engineering Mechanics (Dynamics)	5	40	58	1.2	55
Strength of Materials	8	38	49	1.7	47
Material Properties	8	50	62	1.9	57
Fluid Mechanics	8	63	71	1.6	69
Electricity & Magnetism	11	55	48	2.5	46
Thermodynamics	8	75	74	2.0	67

PM Subject

Chemistry PM	6	83	65	1.4	60
Material-Energy Balances	9	56	57	2.1	52
Chemical Engineering Thermodynamics	6	0	48	1.5	44
Fluid Dynamics	6	33	66	1.4	62
Heat Transfer	6	67	73	1.3	71
Mass Transfer	6	67	55	1.5	50
Chemical Reaction Engineering	6	50	56	1.4	48
Process Design & Economic Optimization	6	83	70	1.4	71
Computer Usage in Chemical Engineering	3	67	70	0.8	68
Process control	3	67	64	0.9	54
Safety & Health & Environmental	3	67	57	0.9	55

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

	*Institution	National	Carnegie Comparator
Examinees Taking	5	1,473	356
Examinees Passing	3	522	145
Examinees Passing %	60	35	41

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

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
Mathematics	19	58	57	3.1	58
Engineering Probability & Statistics	8	55	55	1.5	58
Chemistry	11	58	57	1.9	58
Computers	8	45	53	1.5	55
Ethics & Business Practices	8	68	72	1.6	74
Engineering Economics	10	58	53	2.2	54
Engineering Mechanics (Statics)	8	55	61	1.9	62
Engineering Mechanics (Dynamics)	5	44	51	1.1	51
Strength of Materials	8	50	54	1.7	55
Material Properties	8	45	42	1.5	44
Fluid Mechanics	8	50	58	1.7	59
Electricity & Magnetism	11	31	33	1.9	33
Thermodynamics	8	43	38	1.8	41

PM Subject

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
Surveying	7	54	47	1.4	47
Hydraulics & Hydrologic Systems	7	46	50	1.5	49
Soil Mechanics & Foundations	9	42	50	1.7	51
Environmental Engineering	7	54	55	1.5	57
Transportation	7	54	48	1.3	49
Structural Analysis	6	50	42	1.3	44
Structural Design	6	40	46	1.3	46
Construction Management	6	60	65	1.3	68
Materials	5	52	42	1.2	45

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

Board Code: **71**
 Major **Civil**

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

	*Institution	National	Carnegie Comparator
Examinees Taking	2	639	124
Examinees Passing	1	215	48
Examinees Passing %	50	34	39

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

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
Mathematics	19	76	61	3.0	63
Engineering Probability & Statistics	8	63	55	1.5	54
Chemistry	11	68	57	1.9	58
Computers	8	31	50	1.6	48
Ethics & Business Practices	8	75	67	1.7	70
Engineering Economics	10	50	52	2.1	53
Engineering Mechanics (Statics)	8	75	58	1.8	60
Engineering Mechanics (Dynamics)	5	50	53	1.1	55
Strength of Materials	8	50	50	1.6	50
Material Properties	8	25	39	1.6	41
Fluid Mechanics	8	50	55	1.6	55
Electricity & Magnetism	11	18	33	1.8	33
Thermodynamics	8	44	40	1.8	42

PM Subject

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
Advanced Engineering Mathematics	6	67	46	1.3	49
Engineering Probability & Statistics PM	5	20	34	1.1	36
Biology	3	83	64	0.8	67
Engineering Economics PM	6	58	45	1.4	47
Application of Engineering Mechanics	8	50	51	1.5	50
Engineering of Materials	7	64	52	1.5	56
Fluids	9	72	53	1.9	54
Electricity & Magnetism PM	7	21	42	1.4	43
Thermodynamics & Heat Transfer	9	39	36	1.5	39

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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 - Other Disciplines
Board Code: Major	71 Electrical		

	*Institution	National	Carnegie Comparator
Examinees Taking	1	335	69
Examinees Passing	1	129	30
Examinees Passing %	100	39	43

# 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	65	3.2	67
Engineering Probability & Statistics	8	88	54	1.6	60
Chemistry	11	82	58	2.0	58
Computers	8	100	62	1.7	62
Ethics & Business Practices	8	88	71	1.7	74
Engineering Economics	10	70	54	2.3	54
Engineering Mechanics (Statics)	8	100	50	1.7	52
Engineering Mechanics (Dynamics)	5	40	49	1.2	49
Strength of Materials	8	50	42	1.6	42
Material Properties	8	50	37	1.7	35
Fluid Mechanics	8	50	50	1.8	53
Electricity & Magnetism	11	82	51	2.3	54
Thermodynamics	8	75	42	1.9	44

PM Subject

Advanced Engineering Mathematics	6	83	53	1.5	51
Engineering Probability & Statistics PM	5	80	37	1.1	38
Biology	3	100	66	0.8	66
Engineering Economics PM	6	50	49	1.4	50
Application of Engineering Mechanics	8	50	45	1.5	45
Engineering of Materials	7	71	44	1.6	43
Fluids	9	33	47	1.7	48
Electricity & Magnetism PM	7	71	63	1.6	68
Thermodynamics & Heat Transfer	9	44	38	1.6	38

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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	8	882	213
Examinees Passing	6	629	151
Examinees Passing %	75	71	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	74	68	3.1	68
Engineering Probability & Statistics	8	69	62	1.6	62
Chemistry	11	61	66	2.0	66
Computers	8	77	67	1.7	66
Ethics & Business Practices	8	86	77	1.5	78
Engineering Economics	10	65	62	2.3	61
Engineering Mechanics (Statics)	8	83	71	1.8	72
Engineering Mechanics (Dynamics)	5	63	66	1.2	65
Strength of Materials	8	63	67	1.7	63
Material Properties	8	66	60	1.9	59
Fluid Mechanics	8	61	68	1.8	66
Electricity & Magnetism	11	49	49	2.7	47
Thermodynamics	8	66	62	2.2	60

PM Subject

Mechanical Design & Analysis	9	50	60	1.7	59
Kinematics & Dynamics & Vibrations	9	56	50	1.9	48
Materials & Processing	6	60	56	1.4	54
Measurements & Instrumentation & Controls	6	56	49	1.5	47
Thermodynamics & Energy Conversion Processes	9	50	48	1.7	47
Fluid Mechanics & Fluid Machinery	9	50	51	1.8	52
Heat Transfer	6	54	50	1.3	48
Refrigeration & HVAC	6	40	43	1.4	42

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Graduates 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	3	514	128
Examinees Passing	2	319	88
Examinees Passing %	67	62	69

# 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	67	67	3.0	69
Engineering Probability & Statistics	8	54	58	1.5	60
Chemistry	11	67	62	2.0	64
Computers	8	88	61	1.8	65
Ethics & Business Practices	8	88	75	1.6	78
Engineering Economics	10	73	60	2.2	63
Engineering Mechanics (Statics)	8	79	63	1.8	67
Engineering Mechanics (Dynamics)	5	60	63	1.1	64
Strength of Materials	8	67	62	1.7	65
Material Properties	8	67	51	1.8	51
Fluid Mechanics	8	54	65	1.8	67
Electricity & Magnetism	11	36	44	2.4	46
Thermodynamics	8	75	57	2.1	60

PM Subject

Advanced Engineering Mathematics	6	50	56	1.5	59
Engineering Probability & Statistics PM	5	53	39	1.2	42
Biology	3	67	73	0.8	74
Engineering Economics PM	6	56	52	1.5	53
Application of Engineering Mechanics	8	58	61	1.5	62
Engineering of Materials	7	52	61	1.5	61
Fluids	9	63	61	1.9	63
Electricity & Magnetism PM	7	48	53	1.5	53
Thermodynamics & Heat Transfer	9	41	47	1.6	48

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

Board Code: **71**
 Major **Mining/Mineral**

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

	*Institution	National	Carnegie Comparator
Examinees Taking	6	21	10
Examinees Passing	3	11	5
Examinees Passing %	50	52	50

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

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
Mathematics	19	59	57	2.4	56
Engineering Probability & Statistics	8	56	54	1.5	50
Chemistry	11	71	68	1.6	72
Computers	8	67	61	1.3	66
Ethics & Business Practices	8	73	76	1.3	73
Engineering Economics	10	60	58	1.7	61
Engineering Mechanics (Statics)	8	60	58	1.5	61
Engineering Mechanics (Dynamics)	5	63	53	1.2	60
Strength of Materials	8	54	58	1.0	56
Material Properties	8	50	52	1.2	49
Fluid Mechanics	8	69	56	1.5	64
Electricity & Magnetism	11	38	40	1.7	38
Thermodynamics	8	48	49	2.4	50

PM Subject

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
Advanced Engineering Mathematics	6	39	44	1.2	42
Engineering Probability & Statistics PM	5	43	37	0.9	36
Biology	3	56	68	0.7	63
Engineering Economics PM	6	47	54	1.4	60
Application of Engineering Mechanics	8	44	51	1.8	48
Engineering of Materials	7	55	56	1.1	57
Fluids	9	54	54	2.1	56
Electricity & Magnetism PM	7	45	46	1.7	51
Thermodynamics & Heat Transfer	9	39	44	1.6	43

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