

NCEES

Fundamentals of Engineering Examination

ABET - Accredited Programs

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

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

	*Institution	National	Carnegie Comparator
Examinees Taking	3	52	17
Examinees Passing	3	35	14
Examinees Passing %	100	67	82

	# 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	61	2.8	67
Engineering Probability & Statistics	8	75	60	1.2	65
Chemistry	11	76	67	1.7	71
Computers	8	71	62	1.7	68
Ethics & Business Practices	8	88	82	1.2	80
Engineering Economics	10	53	59	2.2	63
Engineering Mechanics (Statics)	8	83	70	1.7	74
Engineering Mechanics (Dynamics)	5	53	58	1.2	53
Strength of Materials	8	54	70	1.3	68
Material Properties	8	54	54	1.7	54
Fluid Mechanics	8	79	69	1.2	71
Electricity & Magnetism	11	36	44	2.0	50
Thermodynamics	8	63	57	1.9	62

PM Subject

Advanced Engineering Mathematics	6	56	54	1.4	59
Engineering Probability & Statistics PM	5	40	45	1.2	56
Biology	3	89	77	0.6	80
Engineering Economics PM	6	67	50	1.5	52
Application of Engineering Mechanics	8	63	62	1.4	59
Engineering of Materials	7	67	66	1.5	67
Fluids	9	74	58	1.9	64
Electricity & Magnetism PM	7	38	54	1.4	55
Thermodynamics & Heat Transfer	9	67	43	1.7	47

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Currently Enrolled **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 - Civil**

	*Institution	National	Carnegie Comparator
Examinees Taking	28	3,660	1,249
Examinees Passing	25	2,510	909
Examinees Passing %	89	69	73

# 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	70	64	3.0	64
Engineering Probability & Statistics	8	66	61	1.5	62
Chemistry	11	63	63	1.8	63
Computers	8	67	59	1.5	58
Ethics & Business Practices	8	82	75	1.5	77
Engineering Economics	10	64	61	2.2	62
Engineering Mechanics (Statics)	8	81	73	1.7	73
Engineering Mechanics (Dynamics)	5	64	59	1.1	58
Strength of Materials	8	68	64	1.6	66
Material Properties	8	51	50	1.6	50
Fluid Mechanics	8	74	68	1.5	70
Electricity & Magnetism	11	40	39	2.0	39
Thermodynamics	8	52	51	2.0	51

PM Subject

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
Surveying	7	62	54	1.5	55
Hydraulics & Hydrologic Systems	7	65	60	1.6	61
Soil Mechanics & Foundations	9	65	60	1.7	61
Environmental Engineering	7	66	65	1.4	66
Transportation	7	63	54	1.3	55
Structural Analysis	6	58	53	1.3	54
Structural Design	6	45	52	1.3	52
Construction Management	6	74	69	1.3	72
Materials	5	61	53	1.2	55

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Currently Enrolled **Engineering**
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Board Code: **71**
 Major **Electrical**

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

	*Institution	National	Carnegie Comparator
Examinees Taking	2	682	183
Examinees Passing	1	456	137
Examinees Passing %	50	67	75

	# 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	71	68	3.1	70
Engineering Probability & Statistics	8	81	60	1.6	62
Chemistry	11	82	63	2.0	65
Computers	8	56	68	1.7	72
Ethics & Business Practices	8	81	71	1.6	74
Engineering Economics	10	65	56	2.2	55
Engineering Mechanics (Statics)	8	56	56	1.7	59
Engineering Mechanics (Dynamics)	5	70	54	1.2	55
Strength of Materials	8	44	41	1.6	42
Material Properties	8	56	42	1.7	42
Fluid Mechanics	8	44	53	1.6	53
Electricity & Magnetism	11	77	67	2.5	70
Thermodynamics	8	88	49	2.0	50

PM Subject

Circuits	10	75	68	1.9	70
Power	8	44	52	1.9	55
Electromagnetics	4	75	62	0.9	66
Control Systems	6	50	56	1.4	56
Communications	5	30	55	1.3	57
Signal Processing	5	50	61	1.3	62
Electronics	9	56	60	1.9	61
Digital Systems	7	79	62	1.7	64
Computer Systems	6	67	57	1.3	59

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

Board Code: **71**
 Major **Environmental**

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

	*Institution	National	Carnegie Comparator
Examinees Taking	1	167	67
Examinees Passing	0	134	54
Examinees Passing %	0	80	81

# 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	65	3.0	65
Engineering Probability & Statistics	8	75	63	1.5	65
Chemistry	11	45	72	1.8	73
Computers	8	50	61	1.7	59
Ethics & Business Practices	8	88	79	1.2	81
Engineering Economics	10	10	63	2.1	68
Engineering Mechanics (Statics)	8	63	65	1.6	65
Engineering Mechanics (Dynamics)	5	0	57	1.2	58
Strength of Materials	8	63	51	1.6	51
Material Properties	8	50	52	1.7	54
Fluid Mechanics	8	50	71	1.5	74
Electricity & Magnetism	11	55	43	2.2	47
Thermodynamics	8	63	67	1.7	69

PM Subject

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
Water Resources	15	60	70	2.4	71
Water & Wastewater Engineering	18	50	53	3.0	56
Air Quality Engineering	9	67	67	1.4	72
Solid & Hazardous Waste Engineering	9	22	58	1.8	58
Environmental Science & Management	9	44	63	1.7	68

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

Board Code: **71**
 Major **Environmental**

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

	*Institution	National	Carnegie Comparator		
Examinees Taking	1	27	5		
Examinees Passing	1	19	5		
Examinees Passing %	100	70	100		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	47	64	3.2	63
Engineering Probability & Statistics	8	38	60	1.3	63
Chemistry	11	55	67	1.8	75
Computers	8	88	56	1.8	63
Ethics & Business Practices	8	88	75	1.1	78
Engineering Economics	10	60	59	2.3	76
Engineering Mechanics (Statics)	8	88	65	1.9	65
Engineering Mechanics (Dynamics)	5	40	63	1.1	60
Strength of Materials	8	38	54	1.7	50
Material Properties	8	50	52	1.5	50
Fluid Mechanics	8	50	70	1.6	68
Electricity & Magnetism	11	36	49	2.7	44
Thermodynamics	8	63	65	1.8	80

PM Subject

Advanced Engineering Mathematics	6	67	54	1.6	70
Engineering Probability & Statistics PM	5	20	47	1.3	44
Biology	3	100	73	0.9	93
Engineering Economics PM	6	50	49	1.5	53
Application of Engineering Mechanics	8	50	51	1.5	55
Engineering of Materials	7	29	57	1.9	51
Fluids	9	67	60	1.7	71
Electricity & Magnetism PM	7	29	59	1.5	66
Thermodynamics & Heat Transfer	9	56	45	2.1	53

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Fundamentals of Engineering Examination
 ABET - Accredited Programs

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

Board Code: **71**
 Major **Mechanical**

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

	*Institution	National	Carnegie Comparator
Examinees Taking	5	1,903	644
Examinees Passing	3	1,566	537
Examinees Passing %	60	82	83

	# 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	63	69	2.9	69
Engineering Probability & Statistics	8	60	62	1.5	62
Chemistry	11	75	68	1.8	69
Computers	8	65	66	1.6	67
Ethics & Business Practices	8	78	76	1.4	77
Engineering Economics	10	54	61	2.1	63
Engineering Mechanics (Statics)	8	73	74	1.6	75
Engineering Mechanics (Dynamics)	5	60	68	1.0	68
Strength of Materials	8	55	70	1.5	71
Material Properties	8	45	62	1.7	61
Fluid Mechanics	8	73	72	1.5	73
Electricity & Magnetism	11	40	53	2.4	53
Thermodynamics	8	55	68	2.0	68

PM Subject

Mechanical Design & Analysis	9	56	62	1.6	63
Kinematics & Dynamics & Vibrations	9	40	53	1.8	52
Materials & Processing	6	33	60	1.3	59
Measurements & Instrumentation & Controls	6	53	55	1.4	56
Thermodynamics & Energy Conversion Processes	9	49	49	1.7	49
Fluid Mechanics & Fluid Machinery	9	44	53	1.7	55
Heat Transfer	6	50	53	1.3	54
Refrigeration & HVAC	6	40	45	1.4	45

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 ABET - Accredited Programs

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

Board Code: **71**
 Major **Mechanical**

Institution:
 School Code:
 PM Exam

University of Kentucky, Lexington
7101
FE - Other Disciplines

	*Institution	National	Carnegie Comparator
Examinees Taking	5	473	109
Examinees Passing	4	358	84
Examinees Passing %	80	76	77

# 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	67	67	3.0	66
Engineering Probability & Statistics	8	53	61	1.4	62
Chemistry	11	56	64	2.0	67
Computers	8	55	62	1.6	61
Ethics & Business Practices	8	68	74	1.5	76
Engineering Economics	10	64	60	2.2	61
Engineering Mechanics (Statics)	8	83	71	1.6	72
Engineering Mechanics (Dynamics)	5	60	65	1.1	66
Strength of Materials	8	58	68	1.5	68
Material Properties	8	50	58	1.6	57
Fluid Mechanics	8	58	69	1.5	67
Electricity & Magnetism	11	40	51	2.3	50
Thermodynamics	8	58	63	2.0	63

PM Subject

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
Advanced Engineering Mathematics	6	70	64	1.4	65
Engineering Probability & Statistics PM	5	48	43	1.2	45
Biology	3	67	74	0.7	73
Engineering Economics PM	6	43	50	1.4	50
Application of Engineering Mechanics	8	50	65	1.3	63
Engineering of Materials	7	66	67	1.4	68
Fluids	9	53	63	1.7	64
Electricity & Magnetism PM	7	20	59	1.5	57
Thermodynamics & Heat Transfer	9	38	50	1.7	48

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Currently Enrolled **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	4	76	31
Examinees Passing	0	36	10
Examinees Passing %	0	47	32

# 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	50	58	3.1	53
Engineering Probability & Statistics	8	50	57	1.4	56
Chemistry	11	61	65	2.0	61
Computers	8	56	58	1.5	52
Ethics & Business Practices	8	81	81	1.3	76
Engineering Economics	10	50	56	2.4	51
Engineering Mechanics (Statics)	8	59	62	1.8	53
Engineering Mechanics (Dynamics)	5	45	59	1.1	53
Strength of Materials	8	44	57	1.5	51
Material Properties	8	41	51	1.8	48
Fluid Mechanics	8	59	63	1.6	60
Electricity & Magnetism	11	36	43	2.2	41
Thermodynamics	8	28	53	2.0	42

PM Subject

	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
Advanced Engineering Mathematics	6	42	46	1.7	40
Engineering Probability & Statistics PM	5	35	37	1.3	32
Biology	3	75	71	0.7	66
Engineering Economics PM	6	37	50	1.4	47
Application of Engineering Mechanics	8	56	55	1.6	49
Engineering of Materials	7	57	62	1.5	53
Fluids	9	56	54	2.0	48
Electricity & Magnetism PM	7	39	47	1.5	46
Thermodynamics & Heat Transfer	9	42	44	1.5	42

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