

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	4	104		34	
Examinees Passing	3	83		27	
Examinees Passing %	75	80		79	
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	67	66	3.0	69
Engineering Probability & Statistics	8	69	61	1.6	60
Chemistry	11	77	69	1.7	74
Computers	8	78	74	1.4	75
Ethics & Business Practices	8	81	75	1.2	76
Engineering Economics	10	75	62	1.9	61
Engineering Mechanics (Statics)	8	50	55	1.9	54
Engineering Mechanics (Dynamics)	5	75	66	1.1	64
Strength of Materials	8	56	55	1.7	51
Material Properties	8	59	57	1.3	55
Fluid Mechanics	8	75	61	2.1	66
Electricity & Magnetism	11	64	54	2.3	56
Thermodynamics	8	75	52	1.6	55

PM Subject

Advanced Engineering Mathematics	6	58	69	1.3	71
Engineering Probability & Statistics PM	5	70	64	1.1	70
Biology	3	75	63	0.8	63
Engineering Economics PM	6	67	72	1.3	71
Application of Engineering Mechanics	8	47	51	1.7	52
Engineering of Materials	7	61	48	1.2	46
Fluids	9	50	58	1.8	61
Electricity & Magnetism PM	7	36	49	1.4	46
Thermodynamics & Heat Transfer	9	58	52	1.5	53

* 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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NCEES
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Currently Enrolled **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	9	1,210		309	
Examinees Passing	9	1,047		266	
Examinees Passing %	100	87		86	
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	89	74	3.0	71
Engineering Probability & Statistics	8	85	69	1.6	67
Chemistry	11	94	85	1.4	86
Computers	8	83	76	1.4	76
Ethics & Business Practices	8	72	73	1.3	74
Engineering Economics	10	80	65	1.8	67
Engineering Mechanics (Statics)	8	42	41	1.8	39
Engineering Mechanics (Dynamics)	5	69	62	1.3	59
Strength of Materials	8	40	40	1.5	40
Material Properties	8	56	60	1.5	62
Fluid Mechanics	8	72	62	2.0	63
Electricity & Magnetism	11	51	55	2.4	53
Thermodynamics	8	60	64	1.6	63

PM Subject

Chemistry PM	6	85	77	1.2	75
Material-Energy Balances	9	78	73	1.6	72
Chemical Engineering Thermodynamics	6	57	58	1.4	56
Fluid Dynamics	6	52	48	1.5	48
Heat Transfer	6	81	73	1.1	72
Mass Transfer	6	69	60	1.4	61
Chemical Reaction Engineering	6	89	77	1.3	75
Process Design & Economic Optimization	6	80	75	1.1	76
Computer Usage in Chemical Engineering	3	81	67	0.8	65
Process control	3	59	68	0.9	69
Safety & Health & Environmental	3	48	53	0.9	53

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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	54	5,873	1,730		
Examinees Passing	47	4,560	1,380		
Examinees Passing %	87	78	80		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
AM Subject					
Mathematics	19	68	66	3.2	66
Engineering Probability & Statistics	8	63	62	1.6	62
Chemistry	11	66	64	1.9	64
Computers	8	67	70	1.5	70
Ethics & Business Practices	8	76	75	1.3	76
Engineering Economics	10	66	63	1.9	64
Engineering Mechanics (Statics)	8	61	57	2.0	58
Engineering Mechanics (Dynamics)	5	61	62	1.2	62
Strength of Materials	8	59	60	1.8	61
Material Properties	8	48	51	1.5	51
Fluid Mechanics	8	59	61	2.0	61
Electricity & Magnetism	11	43	45	2.4	45
Thermodynamics	8	39	42	1.7	42
PM Subject					
Surveying	7	63	59	1.4	60
Hydraulics & Hydrologic Systems	7	62	61	1.4	62
Soil Mechanics & Foundations	9	61	59	1.7	60
Environmental Engineering	7	61	61	1.4	61
Transportation	7	49	51	1.6	52
Structural Analysis	6	46	51	1.5	50
Structural Design	6	60	63	1.3	63
Construction Management	6	72	65	1.3	67
Materials	5	76	62	1.1	63

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

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

	*Institution	National	Carnegie Comparator
Examinees Taking	5	1,249	268
Examinees Passing	4	869	189
Examinees Passing %	80	70	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	77	72	3.2	74
Engineering Probability & Statistics	8	58	60	1.7	60
Chemistry	11	58	61	2.0	61
Computers	8	75	77	1.4	79
Ethics & Business Practices	8	63	72	1.5	73
Engineering Economics	10	54	59	1.9	58
Engineering Mechanics (Statics)	8	43	39	1.8	40
Engineering Mechanics (Dynamics)	5	56	56	1.3	57
Strength of Materials	8	40	35	1.4	36
Material Properties	8	60	48	1.6	49
Fluid Mechanics	8	25	32	1.7	33
Electricity & Magnetism	11	87	72	2.1	74
Thermodynamics	8	43	43	1.8	42

PM Subject

Circuits	10	52	55	2.3	56
Power	8	55	60	1.7	64
Electromagnetics	4	60	60	1.2	63
Control Systems	6	43	52	1.5	53
Communications	5	52	59	1.0	59
Signal Processing	5	20	35	1.4	33
Electronics	9	56	58	1.8	60
Digital Systems	7	77	68	1.5	69
Computer Systems	6	40	51	1.4	50

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

Board Code: **71**
 Major **Food Processing**

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

	*Institution	National	Carnegie Comparator		
Examinees Taking	1	4	2		
Examinees Passing	0	3	1		
Examinees Passing %	0	75	50		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	63	75	2.6	79
Engineering Probability & Statistics	8	63	81	1.0	75
Chemistry	11	64	80	1.7	82
Computers	8	63	75	1.8	75
Ethics & Business Practices	8	75	81	0.6	81
Engineering Economics	10	40	70	2.6	60
Engineering Mechanics (Statics)	8	13	38	2.7	50
Engineering Mechanics (Dynamics)	5	40	55	1.0	60
Strength of Materials	8	38	44	1.0	38
Material Properties	8	50	44	1.3	44
Fluid Mechanics	8	38	63	2.2	69
Electricity & Magnetism	11	45	48	1.0	50
Thermodynamics	8	38	53	1.9	63

PM Subject

Advanced Engineering Mathematics	6	67	67	0.0	67
Engineering Probability & Statistics PM	5	60	75	0.5	70
Biology	3	33	67	1.2	67
Engineering Economics PM	6	67	83	0.8	75
Application of Engineering Mechanics	8	25	41	1.0	38
Engineering of Materials	7	29	39	1.0	29
Fluids	9	33	56	1.6	56
Electricity & Magnetism PM	7	57	54	0.5	57
Thermodynamics & Heat Transfer	9	44	64	1.3	56

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

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

	*Institution	National	Carnegie Comparator		
Examinees Taking	1	45	13		
Examinees Passing	1	37	12		
Examinees Passing %	100	82	92		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	95	71	2.7	76
Engineering Probability & Statistics	8	75	71	1.5	64
Chemistry	11	82	79	1.5	82
Computers	8	88	72	1.5	72
Ethics & Business Practices	8	88	73	1.2	80
Engineering Economics	10	70	61	2.0	75
Engineering Mechanics (Statics)	8	88	55	1.9	63
Engineering Mechanics (Dynamics)	5	80	60	1.3	57
Strength of Materials	8	75	56	1.4	53
Material Properties	8	75	74	1.3	72
Fluid Mechanics	8	88	48	2.2	53
Electricity & Magnetism	11	55	62	2.1	50
Thermodynamics	8	38	45	1.6	46

PM Subject

Advanced Engineering Mathematics	6	100	75	1.0	82
Engineering Probability & Statistics PM	5	80	72	0.9	74
Biology	3	67	70	0.7	67
Engineering Economics PM	6	50	64	1.3	79
Application of Engineering Mechanics	8	63	51	1.8	54
Engineering of Materials	7	86	65	1.4	60
Fluids	9	44	47	1.8	51
Electricity & Magnetism PM	7	29	45	1.4	42
Thermodynamics & Heat Transfer	9	56	56	1.2	63

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

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

	*Institution	National	Carnegie Comparator		
Examinees Taking	25	3,919	978		
Examinees Passing	18	3,202	793		
Examinees Passing %	72	82	81		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	76	74	3.1	73
Engineering Probability & Statistics	8	63	64	1.7	63
Chemistry	11	68	66	1.9	65
Computers	8	65	77	1.4	77
Ethics & Business Practices	8	75	75	1.3	74
Engineering Economics	10	58	62	1.9	63
Engineering Mechanics (Statics)	8	54	60	2.0	60
Engineering Mechanics (Dynamics)	5	64	74	1.2	72
Strength of Materials	8	54	60	1.8	59
Material Properties	8	57	62	1.5	60
Fluid Mechanics	8	52	60	2.1	60
Electricity & Magnetism	11	55	58	2.4	57
Thermodynamics	8	59	56	1.9	56

PM Subject

Mechanical Design & Analysis	9	69	71	1.6	71
Kinematics & Dynamics & Vibrations	9	64	61	1.7	62
Materials & Processing	6	65	69	1.3	68
Measurements & Instrumentation & Controls	6	61	57	1.2	58
Thermodynamics & Energy Conversion Processes	9	61	61	1.5	61
Fluid Mechanics & Fluid Machinery	9	59	62	1.6	61
Heat Transfer	6	71	71	1.3	70
Refrigeration & HVAC	6	57	54	1.4	54

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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 - Other Disciplines**

	*Institution	National	Carnegie Comparator		
Examinees Taking	25	1,236	302		
Examinees Passing	14	981	247		
Examinees Passing %	56	79	82		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	70	73	3.1	73
Engineering Probability & Statistics	8	51	63	1.7	63
Chemistry	11	61	63	2.0	63
Computers	8	73	75	1.4	77
Ethics & Business Practices	8	71	73	1.4	73
Engineering Economics	10	50	62	1.9	62
Engineering Mechanics (Statics)	8	53	56	2.0	58
Engineering Mechanics (Dynamics)	5	66	70	1.2	72
Strength of Materials	8	60	58	1.8	59
Material Properties	8	56	60	1.5	63
Fluid Mechanics	8	50	58	2.1	56
Electricity & Magnetism	11	44	57	2.4	58
Thermodynamics	8	60	55	1.9	55

PM Subject

Advanced Engineering Mathematics	6	77	79	1.2	80
Engineering Probability & Statistics PM	5	54	64	1.0	65
Biology	3	61	64	0.8	64
Engineering Economics PM	6	55	70	1.4	70
Application of Engineering Mechanics	8	49	54	1.7	56
Engineering of Materials	7	47	48	1.4	48
Fluids	9	51	58	1.7	58
Electricity & Magnetism PM	7	36	50	1.3	50
Thermodynamics & Heat Transfer	9	48	54	1.7	55

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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	7	101	56		
Examinees Passing	2	52	26		
Examinees Passing %	29	51	46		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	56	59	3.3	58
Engineering Probability & Statistics	8	50	55	1.7	51
Chemistry	11	62	63	1.9	62
Computers	8	64	64	1.6	64
Ethics & Business Practices	8	80	73	1.5	69
Engineering Economics	10	49	62	2.0	60
Engineering Mechanics (Statics)	8	38	44	1.9	45
Engineering Mechanics (Dynamics)	5	57	57	1.3	54
Strength of Materials	8	34	43	1.6	40
Material Properties	8	46	50	1.6	51
Fluid Mechanics	8	45	48	2.2	46
Electricity & Magnetism	11	38	47	2.4	43
Thermodynamics	8	50	42	1.8	36

PM Subject

Advanced Engineering Mathematics	6	60	60	1.5	61
Engineering Probability & Statistics PM	5	57	58	1.2	55
Biology	3	71	67	0.7	65
Engineering Economics PM	6	62	70	1.4	68
Application of Engineering Mechanics	8	36	39	1.7	40
Engineering of Materials	7	43	42	1.3	41
Fluids	9	44	48	1.8	47
Electricity & Magnetism PM	7	24	38	1.4	36
Thermodynamics & Heat Transfer	9	35	41	1.8	40

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Board Code: **71**
 Major **Other Engineering**

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

	*Institution	National	Carnegie Comparator		
Examinees Taking	2	75	10		
Examinees Passing	1	45	6		
Examinees Passing %	50	60	60		
	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***

AM Subject

Mathematics	19	66	63	3.1	68
Engineering Probability & Statistics	8	63	59	1.5	61
Chemistry	11	68	63	2.0	61
Computers	8	69	72	1.6	71
Ethics & Business Practices	8	94	75	1.3	76
Engineering Economics	10	65	60	1.9	62
Engineering Mechanics (Statics)	8	38	46	2.0	49
Engineering Mechanics (Dynamics)	5	30	63	1.3	64
Strength of Materials	8	44	41	1.4	41
Material Properties	8	44	53	1.6	60
Fluid Mechanics	8	69	46	2.0	53
Electricity & Magnetism	11	64	51	2.4	59
Thermodynamics	8	56	45	1.9	49

PM Subject

Advanced Engineering Mathematics	6	50	70	1.4	72
Engineering Probability & Statistics PM	5	70	60	1.0	60
Biology	3	83	66	0.9	73
Engineering Economics PM	6	83	69	1.3	73
Application of Engineering Mechanics	8	38	43	1.5	40
Engineering of Materials	7	50	48	1.3	47
Fluids	9	67	48	1.8	53
Electricity & Magnetism PM	7	57	43	1.4	51
Thermodynamics & Heat Transfer	9	67	46	1.6	54

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