ABET - Accredited Programs

Currently Enrolled Engineering					
Subject Matter Report by Major and PM Examination					
Board: Kentucky	Institution:	University of Ke	entucky, Lexir	ngton	
Board Code: 71	School Code:	7101			
Major: Agricultural	PM Exam:	FE-Other			
*Insti	tution	National		Carnegie Com	bara
Examinees Taking 2		122		51	
Examinees Passing 2		102		41	
Examinees Passing % 10	0	84		80	
# Exam	Institution	National AVG	National	Prof+A&S/HGC	
Questio		% Correct	Standard	AVG %	
AM Subject	Correct		Deviation **	Correct ***	
Mathematics 19	61	60	3.3	59	
Engineering Probability and Statistics 8	56	64	1.7	65	
Chemistry 11	78	79	1.8	78	
computers 8	100	74	1.5	76	
thics and Business Practices 8	94	78	1.3	78	
ngineering Economics 10	80	63	2.1	61	
ngineering Mechanics (Statics) 8	81	78	1.4	77	
ngineering Mechanics (Dynamics) 5	90	76	1.1	76	
trength of Materials 8	37	54	1.7	54	
Aterial Properties 8	75	68	1.2	69	
luid Mechanics 8	81	73	1.6	72	
Electricity and Magnetism 11	50	58	2.1	56	
hermodynamics 8	38	43	1.5	43	
PM Subject					
Advanced Engineering Mathematics 6	84	63	1.2	62	
ngineering Probability and Statistics 5	70	66	1.0	62	
iology 3	66	66	0.9	69	
ngineering Economics 6	75	53	1.4	52	
pplication of Engineering Mechanics 8	50	52	1.5	53	
ingineering of Materials 7	72	60	1.5	61	
luids 9	72	74	1.5	73	
Electricity and Magnetism 7	64	57	1.4	54	

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*** Indicates schools in your Carnegie classification, see www.carnegiefoundation.org

TERMS AND CONDITIONS OF DATA USE

ABET - Accredited Programs

Currently Enrolled	Engineering						
Subject Matter Repor	t by Major and PM Examir	ation					
Board: Board Code: Major:	Kentucky 71 Chemical	S	stitution: chool Code: M Exam:	University of Ko 7101 FE-Chemical	entucky, Lexi	ngton	
		*Institutio	n	National		Carnegie Comp	ara
Examinees Taking		9		968		257	
Examinees Passing		9		840		218	
Examinees Passing	%	100		87		85	
AM Subject		# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***	
Mathematics		19	70	65	3.3	63	
Engineering Probabil	ity and Statistics	8	56	65	1.6	61	
Chemistry		11	89	89	1.3	88	
Computers		8	71	76	1.4	74	
Ethics and Business Practices		8	89	76	1.5	77	
Engineering Economics		10	86	66	2.1	68	
Engineering Mechani	cs (Statics)	8	50	58	1.8	55	
Engineering Mechani	cs (Dynamics)	5	60	68	1.2	65	
Strength of Materials		8	35	39	1.4	39	
Material Properties		8	68	65	1.4	64	
Fluid Mechanics		8	81	71	1.7	72	
Electricity and Magne	etism	11	55	55	2.2	54	
Thermodynamics		8	53	54	1.8	53	
PM Subject							
Chemistry		6	65	58	1.2	58	
Material / Energy Bal		9	71	72	1.7	70	
Chemical Engineering	g Thermodynamics	6	54	62	1.2	59	
Fluid Dynamics		6	91	79	1.1	77	
Heat Transfer		6	76	74	1.2	72	
Mass Transfer		6	37	47	1.3	47	
Chemical Reaction E		6	68	68	1.4	66	
	Economic Optimization	6	70	70	1.2	72	
	I Chemical Engineering	3	71	67	0.8	64	
Process Control		3	26	35	0.8	35	
Safety, Health, and E	nvironmental	3	78	81	0.7	81	

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TERMS AND CONDITIONS OF DATA USE

ABET - Accredited Programs

Currently Enrolled	Engineering					
Subject Matter Repor	t by Major and PM Exa	mination				
Board: Board Code: Major:	Kentucky 71 Chemical	S	stitution: chool Code: M Exam:	University of Ko 7101 FE-Other	entucky, Lexir	ngton
		*Institutio	n	National		Carnegie Com
Examinees Taking Examinees Passing Examinees Passing S	%	1 0 0	Les Photos	59 45 76	Matter	10 8 80
AM Subject		# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***
Mathematics	ity and Statistics	19	<mark>53</mark>	<mark>69</mark>	<mark>3.3</mark>	72
Engineering Probabil		8	62	65	1.6	80
Chemistry		<mark>11</mark>	<mark>82</mark>	<mark>86</mark>	<mark>1.6</mark>	<mark>85</mark>
Computers		8	88	74	1.7	83
Ethics and Business		<mark>8</mark>	<mark>62</mark>	70	1.6	<mark>66</mark>
Engineering Econom		10	50	58	2.3	60
Engineering Mechani	· · · · ·	<mark>8</mark>	<mark>25</mark>	<mark>63</mark>	<mark>2.2</mark>	55
Engineering Mechani		5	40	71	1.3	66
Strength of Materials		<mark>8</mark>	38	<mark>39</mark>	1.4	<mark>39</mark>
Material Properties		8	62	61	1.5	61
Fluid Mechanics	etism	<mark>8</mark>	<mark>38</mark>	<mark>68</mark>	2.0	55
Electricity and Magne		11	45	55	2.2	52
Thermodynamics		8	25	51	2.1	41
PM Subject Advanced Engineerir	ng Mathematics	6	67	71	1.3	78
Engineering Probabil	ity and Statistics	5	<mark>80</mark>	<mark>69</mark>	<mark>1.3</mark>	<mark>88</mark>
Biology		3	33	66	0.8	64
Engineering Econom		<mark>6</mark>	33	54	1.5	<mark>52</mark>
Application of Engine		8	25	38	1.7	40
<mark>Engineering of Mater</mark>	ials	7	57	<mark>63</mark>	1.8	<mark>58</mark>
Fluids		9	33	70	1.8	74
Electricity and Magne		7	29	49	1.5	58
Thermodynamics and		9	33	54	1.9	57

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TERMS AND CONDITIONS OF DATA USE

ABET - Accredited Programs

Currently Enrolled Engineering						
Subject Matter Report by Major and F	PM Examination					
Board: Kentucky		Institution:		entucky, Lexir	ngton	
Board Code: 71		School Code:	7101			
Major: Civil		PM Exam:	FE-Civil			
	*Institut	ion	National		Carnegie Com	bara
Examinees Taking	25		4,989		1,628	
Examinees Passing	22		3,735		1,280	
Examinees Passing %	88		75		79	
	# Exam	Institution	National AVG	National	Prof+A&S/HGC	
	Questions	AVG %	% Correct	Standard	AVG %	
AM Subject		Correct		Deviation **	Correct ***	
Mathematics	19	63	58	3.3	59	
Engineering Probability and Statistics	8	64	62	1.6	63	
Chemistry	11	78	76	1.8	77	
Computers	8	68	69	1.5	70	
Ethics and Business Practices	8	80	78	1.4	80	
Engineering Economics	10	52	61	2.2	62	
Engineering Mechanics (Statics)	8	78	74	1.6	76	
Engineering Mechanics (Dynamics)	5	62	68	1.2	69	
Strength of Materials	8	54	56	1.7	57	
Material Properties	8	59	62	1.4	62	
Fluid Mechanics	8	59	64	1.8	66	
Electricity and Magnetism	11	37	45	2.1	45	
Thermodynamics	8	32	36	1.5	36	
PM Subject						
Surveying	7	53	49	1.4	51	
Hydraulics and Hydrologic Systems	7	51	57	1.5	58	
Soil Mechanics and Foundations	9	68	56	1.9	57	
nvironmental Engineering	7	69	66	1.4	67	
ransportation	7	59	59	1.3	60	
Structural Analysis	6	59	62	1.3	63	
Structural Design	6	57	53	1.2	54	
Construction Management	6	59	60	1.4	63	
Materials						

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TERMS AND CONDITIONS OF DATA USE

ABET - Accredited Programs

Currently Enrolled Engineering	
Subject Matter Report by Major and PM Examination	
Board: Kentucky Institution: University of Kentucky, Lexington	
Board Code: 71 School Code: 7101	
Aajor: Electrical PM Exam: FE-Electrical	
*Institution National Carnegie Con	npara
Examinees Taking 2 1,224 306	
Examinees Passing 2 886 238	
Examinees Passing % 100 72 78	
# Exam Institution National AVG National Prof+A&S/HGC	
Questions AVG % % Correct Standard AVG %	
AM Subject Correct Deviation ** Correct ***	
Nathematics 19 76 64 3.4 67	
Engineering Probability and Statistics 8 62 63 1.7 65	
Chemistry 11 82 73 2.0 74	
Computers 8 94 79 1.5 82	
thics and Business Practices 8 88 74 1.6 75	
ingineering Economics 10 60 56 2.2 57	
ngineering Mechanics (Statics) 8 44 57 1.9 58	
Engineering Mechanics (Dynamics) 5 90 64 1.3 64	
trength of Materials 8 56 38 1.4 38	
Aterial Properties 8 75 58 1.6 59	
luid Mechanics 8 25 46 1.9 47	
Electricity and Magnetism 11 91 75 2.0 76	
hermodynamics 8 44 37 1.5 37	
PM Subject	
Circuits 10 80 62 1.9 64	
Power 8 44 52 1.7 55	
lectromagnetics 4 50 48 1.0 51	
ontrol Systems 6 50 56 1.6 57	
ommunications 5 60 57 1.2 57	
Signal Processing 5 90 60 1.3 60	
Electronics 9 72 67 1.8 68	
Digital Systems 7 57 60 1.8 62	

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TERMS AND CONDITIONS OF DATA USE

ABET - Accredited Programs

Currently Enrolled Engineering						
Subject Matter Report by Major and PM Exam	ination					
Board: Kentucky Board Code: 71 Major: Engineering Mechanic	S	stitution: chool Code: M Exam:	University of Ke 7101 FE-Other	entucky, Lexir	igton	
	*Institutio	n	National		Carnegie Com	bara
Examinees Taking	1		55		16	
xaminees Passing	0		38		11	
xaminees Passing %	0		69		69	
M Subject	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***	
athematics	19	42	64	3.7	70	
ngineering Probability and Statistics	8	38	60	1.6	64	
emistry	11	55	70	2.1	79	
mputers	8	75	68	1.6	73	
ics and Business Practices	8	100	70	1.8	79	
ineering Economics	10	30	57	2.2	68	
gineering Mechanics (Statics)	8	12	73	1.9	82	
gineering Mechanics (Dynamics)	5	40	75	1.2	78	
ength of Materials	8	62	52	1.6	60	
terial Properties	8	0	62	1.5	55	
id Mechanics	8	38	66	2.0	67	
ctricity and Magnetism	11	36	53	2.6	53	
ermodynamics	8	25	43	1.6	44	
/ Subject						
dvanced Engineering Mathematics	6	100	68	1.2	72	
gineering Probability and Statistics	5	60	63	1.0	68	
logy	3	67	61	0.9	67	
ineering Economics	6	50	51	1.4	53	
lication of Engineering Mechanics	8	50	52	1.7	55	
gineering of Materials	7	71	56	1.5	65	
ids	9	78	64	1.5	69	
ectricity and Magnetism	7	29	52	1.7	54	
ermodynamics and Heat Transfer	9	33	45	1.6	46	

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TERMS AND CONDITIONS OF DATA USE

ABET - Accredited Programs

Currently Enrolled	Engineering						
Subject Matter Repor	t by Major and PM Examir	ation					
Board: Board Code: Major:	Kentucky 71 General Engineering	S	stitution: chool Code: M Exam:	University of Ke 7101 FE-Other	entucky, Lexir	igton	
		*Institutio	n	National		Carnegie Comp	arat
Examinees Taking Examinees Passing Examinees Passing 9	k	1 0 0		217 171 79		6 3 50	
AM Subject	-	# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***	
Mathematics		19	42	66	3.5	59	
Engineering Probabil	ity and Statistics	8	38	67	1.7	56	
Chemistry		11	64	79	1.9	68	
omputers		8	88	75	1.5	69	
hics and Business		8	88	78	1.4	56	
ngineering Econom		10	70	64	2.0	62	
ngineering Mechani	· · · ·	8	75	76	1.6	75	
ngineering Mechani	cs (Dynamics)	5	40	75	1.2	63	
trength of Materials		8	25	56	1.7	36	
aterial Properties		8	75	67	1.5	58	
luid Mechanics		8	75	68	1.7	64	
lectricity and Magne	etism	11	55	63	2.4	59	
hermodynamics		8	25	46	1.8	46	
M Subject	g Mathematics	6	33	66	1.4	58	
Engineering Probabil	ity and Statistics	5	40	69	1.1	57	
ology	-	3	33	66	0.8	28	
ngineering Econom	ics	6	50	52	1.5	42	
plication of Engine		8	38	53	1.7	44	
ngineering of Mater		7	29	61	1.6	50	
luids		9	67	70	1.7	65	
Electricity and Magne	tism	7	29	58	1.5	38	
hermodynamics and		9	33	45	1.8	39	

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TERMS AND CONDITIONS OF DATA USE

ABET - Accredited Programs

Currently Enrolled Engineering						
Subject Matter Report by Major and PM Examin	ation					
Board: Kentucky	In	stitution:	University of Ke	entucky, Lexir	ngton	
Board Code: 71	S	chool Code:	7101			
Major: Materials	Р	M Exam:	FE-Other			
	*Institutio	n	National		Carnegie Comp	ara
Examinees Taking	2		41		11	
Examinees Passing	2		33		9	
Examinees Passing %	100		80		82	
_	# Exam	Institution	National AVG	National	Prof+A&S/HGC	
AM Cubic et	Questions	AVG %	% Correct	Standard	AVG %	
AM Subject		Correct		Deviation **	Correct ***	
Mathematics	19	79	62	3.8	64	
Engineering Probability and Statistics	8	82	66	1.5	67	
Chemistry	11	86	85	1.4	88	
Computers	8	75	69	1.4	77	
thics and Business Practices	8	94	77	1.2	75	
Engineering Economics	10	55	60	2.0	65	
ingineering Mechanics (Statics)	8	68	74	1.4	72	
Engineering Mechanics (Dynamics)	5	70	71	1.2	62	
trength of Materials	8	56	51	1.3	47	
Naterial Properties	8	81	77	1.1	74	
luid Mechanics	8	62	67	1.6	50	
Electricity and Magnetism	11	50	56	2.3	45	
hermodynamics	8	50	45	1.8	39	
PM Subject						
Advanced Engineering Mathematics	6	75	63	1.3	62	
Engineering Probability and Statistics	5	90	67	1.1	67	
liology	3	100	64	0.8	67	
ingineering Economics	6	42	54	1.5	56	
pplication of Engineering Mechanics	8	50	51	1.6	58	
Engineering of Materials	7	64	73	1.1	67	
Fluids	9	78	66	1.6	63	
	9					
Electricity and Magnetism	9 7	36	47	1.5	48	

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TERMS AND CONDITIONS OF DATA USE

ABET - Accredited Programs

							-
Currently Enrolled	Engineering						
Subject Matter Repor	t by Major and PM Examinati	ion					
Board: Board Code: Major:	Kentucky 71 Mechanical	S	nstitution: ichool Code: M Exam:	University of Ko 7101 FE-Mechanica	-	ngton	
		*Institutio	n	National		Carnegie Com	ara
Examinees Taking		7		2,181		653	
Examinees Passing		4		1,832		546	
Examinees Passing	%	57		84		84	
AM Subject		# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***	
Mathematics		19	68	65	3.3	65	
Engineering Probability and Statistics		8	64	63	1.5	62	
Chemistry		11	77	78	1.8	77	
Computers		8	70	78	1.3	77	
Ethics and Business Practices		8	79	77	1.5	77	
ngineering Econom		10	53	60	2.2	60	
ngineering Mechani		8	82	81	1.4	80	
ngineering Mechani	, <u>,</u>	5	74	78	1.1	78	
trength of Materials		8	61	60	1.7	59	
laterial Properties		8	61	68	1.3	68	
uid Mechanics		8	64	72	1.7	72	
lectricity and Magne	etism	11	52	59	2.3	59	
hermodynamics		8	45	48	1.8	49	
PM Subject							
lechanical Design a	nd Analysis	9	57	57	1.7	58	
nematics, Dynamic		9	63	64	1.8	63	
aterials and Proces		6	55	65	1.3	65	
easurements, Instru	umentation, and Controls	6	50	48	1.4	51	
ermodynamics and	d Energy Conversion Process	ses 9	48	57	2.0	56	
uid Mechanics and	Fluid Machinery	9	54	61	1.7	61	
eat Transfer		6	48	63	1.3	63	
Refrigeration and HV	AC	6	36	44	1.4	45	

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TERMS AND CONDITIONS OF DATA USE

ABET - Accredited Programs

Currently Enrolled	Engineering						
Subject Matter Report	by Major and PM Exa	amination					
Board: Board Code: Major:	Kentucky 71 Mechanical	S	stitution: chool Code: M Exam:	University of Ko 7101 FE-Other	entucky, Lexir	ngton	
		*Institutio	n	National		Carnegie Com	ara
Examinees Taking		39		2,816		727	
Examinees Passing		28		2,368		621	
Examinees Passing %	, 0	72		84		85	
AM Subject		# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***	
Mathematics		19	63	65	3.3	66	
Engineering Probabilit	ty and Statistics	8	61	64	1.5	64	
hemistry		11	74	77	1.8	78	
omputers		8	74	76	1.4	77	
hics and Business F	Practices	8	78	76	1.5	77	
ngineering Economi	cs	10	45	61	2.2	61	
ngineering Mechanic	cs (Statics)	8	77	79	1.4	80	
ngineering Mechanic	cs (Dynamics)	5	69	76	1.2	76	
trength of Materials		8	59	58	1.7	58	
laterial Properties		8	68	67	1.3	68	
luid Mechanics		8	55	71	1.8	71	
lectricity and Magne	tism	11	48	58	2.3	57	
hermodynamics		8	38	47	1.8	45	
PM Subject							
Advanced Engineering	g Mathematics	6	63	68	1.2	67	
ngineering Probabili	ty and Statistics	5	66	69	1.1	70	
ology		3	63	64	0.8	65	
ngineering Economic		6	42	52	1.4	53	
oplication of Enginee	ering Mechanics	8	53	57	1.6	56	
ngineering of Materia	als	7	59	65	1.4	66	
luids		9	65	73	1.6	73	
Electricity and Magne	tism	7	51	56	1.5	56	
Thermodynamics and	Heat Transfer	9	34	50	1.8	51	

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TERMS AND CONDITIONS OF DATA USE

ABET - Accredited Programs

Currently Enrolled	Engineering						
Subject Matter Repor	t by Major and PM Exa	mination					
Board: Board Code: Major:	Kentucky 71 Mining/Mineral	S	stitution: chool Code: M Exam:	University of Ke 7101 FE-Other	entucky, Lexir	igton	
		*Institutio	n	National		Carnegie Com	oarat
Examinees Taking Examinees Passing Examinees Passing ⁶	%	8 5 62		63 39 62		34 25 74	
AM Subject		# Exam Questions	Institution AVG % Correct	National AVG % Correct	National Standard Deviation **	Prof+A&S/HGC AVG % Correct ***	
Mathematics		19	52	55	3.5	59	
Engineering Probabil	ity and Statistics	8	74	63	1.2	67	
Chemistry Computers		<mark>11</mark> 8	<mark>62</mark> 70	73 70	<mark>1.8</mark> 1.4	75 75	
Ethics and Business	Practices	8	78	75	1.3	78	
Engineering Econom		10	66	63	2.1	69	
Engineering Mechani		8	60	68	1.8	73	
Engineering Mechani		5	65	68	1.2	69	
Strength of Materials		8	40	42	1.5	45	
Material Properties		8	54	65	1.5	64	
Fluid Mechanics		8	66	60	1.7	64	
Electricity and Magne	etism	11	38	48	2.2	48	
Thermodynamics		8	42	36	1.4	40	
PM Subject Advanced Engineerir	ng Mathematics	6	64	57	1.3	62	
Engineering Probabil	•	5	72	63	1.0	68	
Biology		3	67	69	0.9	70	
Engineering Econom	ics	6	64	58	1.6	67	
Application of Engine		8	31	42	1.6	45	
Engineering of Mater		7	41	51	1.4	53	
Fluids		9	66	66	1.6	72	
Electricity and Magne	etism	7	46	49	1.2	51	
Thermodynamics and		9	32	36	1.4	36	

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TERMS AND CONDITIONS OF DATA USE