

National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 APRIL 2004 Administration

Report 5 - Subject Matter Report by Major Based on Particular PM Examination Selected

ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY  
 Board Code: 71  
 Major: AGRICULTURAL

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: GENERAL

	This Institution	State	Nat'l	Comparator Groupings		
No. Examinees Taking	4	4	118	90	11	17
No. Examinees Passing	4	4	87	68	5	14
% Examinees Passing	100%	100%	74%	76%	45%	82%

	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct

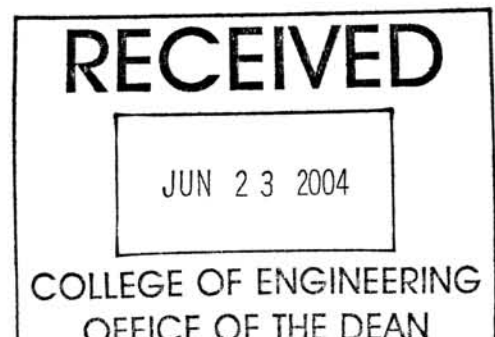
AM Subject (1 point each)

CHEMISTRY	11	66	62	1.9	63	51	63
COMPUTERS	7	93	74	1.4	76	62	71
DYNAMICS	9	72	54	1.6	55	52	54
ELECTRICAL CIRCUITS	12	65	57	2.4	58	53	52
ENGINEERING ECON	5	60	54	1.1	53	47	61
ETHICS	5	60	67	1.0	68	65	65
FLUID MECHANICS	8	84	72	1.6	75	65	64
MAT SCI/STR MATTER	8	47	50	1.6	49	47	54
MATHEMATICS	24	50	53	3.5	53	49	51
MECH OF MATERIALS	8	56	49	1.8	50	48	46
STATICS	12	56	51	2.3	51	47	50
THERMODYNAMICS	11	36	49	2.0	50	45	48

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Report 5 - Subject Matter Report by Major Based on Particular PM Examination Selected

ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY

Board Code: 71

Major: AGRICULTURAL

Name of Institution: Kentucky, University of

School Code: 7101

PM Examination Selected: GENERAL

	This Institution	Nat'l	Nat'l Standard	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	33	42	1.2	41	41	42
CHEMISTRY	5	65	58	1.3	59	40	67
COMPUTERS	3	92	57	0.9	60	52	43
DYNAMICS	5	50	49	1.3	49	45	53
ENGINRING ECONOMICS	3	33	43	0.8	43	36	45
ETHICS	3	75	64	0.8	64	64	63
FLUID MECHANICS	4	81	52	1.1	53	34	60
MATHEMATICS	12	58	48	1.9	48	45	50
MAT SCI/STR MATTER	3	58	51	0.8	50	52	55
MECH OF MATERIALS	4	56	39	1.0	39	39	38
STATICS	6	42	44	1.4	44	39	46
THERMODYNAMICS	6	42	38	1.3	38	38	36

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Report 5 - Subject Matter Report by Major Based on Particular PM Examination Selected

ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY  
 Board Code: 71  
 Major: CHEMICAL

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: CHEMICAL

	This Institution	State	Nat'l	Comparator Groupings		
				330	100	17
No. Examinees Taking	17	18	532	282	85	15
No. Examinees Passing	15	16	457	85%	85%	88%
% Examinees Passing	88%	89%	86%			

	This Institution	Nat'l	Nat'l	Carnegie	Carnegie	Carnegie
				Rsrch/Doc Extensive	Rsrch/Doc Intensive	Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	80	82	1.5	83	79	79
COMPUTERS	7	84	82	1.1	82	78	82
DYNAMICS	9	55	57	1.5	57	56	56
ELECTRICAL CIRCUITS	12	48	49	2.5	51	45	50
ENGINEERING ECON	5	65	59	1.2	59	58	56
ETHICS	5	66	68	1.1	67	69	67
FLUID MECHANICS	8	77	71	1.6	72	67	69
MAT SCI/STR MATTER	8	51	62	1.5	62	59	54
MATHEMATICS	24	63	63	3.8	65	58	63
MECH OF MATERIALS	8	27	35	1.5	35	37	31
STATICS	12	33	43	2.2	44	41	43
THERMODYNAMICS	11	63	63	1.9	63	61	64

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Report 5 - Subject Matter Report by Major Based on Particular PM Examination Selected

ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY  
 Board Code: 71  
 Major: CHEMICAL

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: CHEMICAL

	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct

PM Subject (2 points each)

COMP & NUM METHODS	3	63	69	0.8	68	73
CHEM REACTION ENGR	6	50	54	1.3	54	57
CHEM THERMODYNAMICS	6	51	54	1.4	55	55
PROCESS EQUIP DESIGN	3	47	49	0.9	49	43
HEAT TRANSFER	6	34	37	1.2	38	38
MAT/ENERGY BALANCES	9	39	45	1.8	45	45
MASS TRANSFER	6	57	55	1.3	56	56
PROCESS CONTROL	3	55	47	0.9	48	45
PROC DSGN/ECON EVAL	6	61	63	1.3	62	50
POLLUTION PREVENTION	3	61	54	0.8	55	51
PROCESS SAFETY	3	57	56	0.9	56	51
TRANSPORT PHENOMENA	6	56	47	1.4	47	48

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ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY  
 Board Code: 71  
 Major: CHEMICAL

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: GENERAL

	This Institution	State	Nat'l	Comparator Groupings		
No. Examinees Taking	2	2	281	175	26	54
No. Examinees Passing	2	2	244	162	22	39
% Examinees Passing	100%	100%	87%	93%	85%	72%

Number of Exam Questions	This Institution Average Percent Correct	Nat'l Average Percent Correct	Nat'l Standard Deviation	Carnegie	Carnegie	Carnegie
				Rsrch/Doc Extensive Average Percent Correct	Rsrch/Doc Intensive Average Percent Correct	Masters Comp. Average Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	77	82	1.3	83	83	77
COMPUTERS	7	86	78	1.4	81	74	67
DYNAMICS	9	61	58	1.7	60	58	49
ELECTRICAL CIRCUITS	12	46	49	2.5	48	56	52
ENGINEERING ECON	5	50	58	1.1	59	58	51
ETHICS	5	40	64	1.1	65	61	61
FLUID MECHANICS	8	81	72	1.5	74	68	64
MAT SCI/STR MATTER	8	38	59	1.6	61	55	53
MATHEMATICS	24	60	66	3.7	68	65	62
MECH OF MATERIALS	8	25	37	1.5	38	41	31
STATICS	12	38	45	2.2	46	42	45
THERMODYNAMICS	11	50	62	1.9	62	58	62

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ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY  
 Board Code: 71  
 Major: CHEMICAL

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: GENERAL

PM Subject (2 points each)	This Institution Number of Exam Questions	Average Percent Correct	Nat'l Average Percent Correct	Nat'l Standard Deviation	Carnegie Rsrch/Doc Extensive Average Percent Correct	Carnegie Rsrch/Doc Intensive Average Percent Correct	Carnegie Masters Comp. Average Percent Correct
ELECTRICAL CIRCUITS	6	25	37	1.3	36	41	41
CHEMISTRY	5	40	83	1.0	86	85	75
COMPUTERS	3	67	65	0.9	67	63	55
DYNAMICS	5	60	54	1.3	57	47	47
ENGINRING ECONOMICS	3	33	42	0.9	44	41	31
ETHICS	3	33	62	0.8	63	67	59
FLUID MECHANICS	4	38	49	1.1	51	52	39
MATHEMATICS	12	58	59	2.0	61	57	54
MAT SCI/STR MATTER	3	50	53	0.8	53	47	52
MECH OF MATERIALS	4	50	31	0.9	33	29	27
STATICS	6	25	35	1.4	36	37	34
THERMODYNAMICS	6	25	49	1.4	50	46	46

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Report 5 - Subject Matter Report by Major Based on Particular PM Examination Selected

ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY  
 Board Code: 71  
 Major: CIVIL

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: CIVIL

	This Institution	State	Nat'l	Comparator Groupings		
				1707	569	318
No. Examinees Taking	27	40	2808	1707	569	318
No. Examinees Passing	21	32	2139	1393	399	206
% Examinees Passing	78%	80%	76%	82%	70%	65%

Number of Exam Questions	This Institution Average Percent Correct	Nat'l Average Percent Correct	Nat'l Standard Deviation	Carnegie	Carnegie	Carnegie
				Rsrch/Doc Extensive Average Percent Correct	Rsrch/Doc Intensive Average Percent Correct	Masters Comp. Average Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	66	59	2.2	61	57	54
COMPUTERS	7	72	69	1.6	72	64	66
DYNAMICS	9	52	53	1.6	54	51	49
ELECTRICAL CIRCUITS	12	37	40	2.5	41	39	38
ENGINEERING ECON	5	50	55	1.2	56	55	56
ETHICS	5	63	67	1.1	68	66	65
FLUID MECHANICS	8	75	70	1.7	71	68	66
MAT SCI/STR MATTER	8	43	48	1.6	49	48	47
MATHEMATICS	24	58	54	3.9	56	52	52
MECH OF MATERIALS	8	50	57	1.7	58	55	56
STATICS	12	58	54	2.3	55	52	52
THERMODYNAMICS	11	45	42	1.8	44	42	38

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ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY  
 Board Code: 71  
 Major: CIVIL

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: CIVIL

	This Institution	Nat'l Average	Nat'l Standard Deviation	Carnegie Rsrch/Doc Extensive Average Correct	Carnegie Rsrch/Doc Intensive Average Correct	Carnegie Masters Comp. Average Correct
Number of Exam Questions	Average Percent Correct	Percent Correct		Percent Correct	Percent Correct	Percent Correct

PM Subject (2 points each)

CONSTRUCTION MGMNT	3	52	49	0.9	50	47	47
COMP & NUM METHODS	6	62	59	1.2	60	57	56
ENVIRONMENTAL ENGR	6	58	56	1.4	58	51	53
HYDRAUL/HYDROLOG SYS	6	36	31	1.3	31	30	30
LEGAL & PROF ASPECTS	3	69	81	0.7	82	80	79
STRUCTURAL ANALYSIS	6	47	46	1.1	47	45	46
STRUCTURAL DESIGN	6	50	55	1.3	56	56	52
SOIL MECH & FOUNDAT	6	46	51	1.3	52	48	48
SURVEYING	6	50	42	1.2	43	40	39
TRANS FACILITIES	6	36	43	1.2	44	40	41
WATER PUR & TREAT	6	59	57	1.3	59	55	53

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ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY  
 Board Code: 71  
 Major: CIVIL

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: GENERAL

	This Institution	State	Nat'l	Comparator Groupings		
No. Examinees Taking	11	11	1571	845	150	396
No. Examinees Passing	11	11	1121	663	91	239
% Examinees Passing	100%	100%	71%	78%	61%	60%

	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	67	62	2.3	65	55	57
COMPUTERS	7	73	70	1.6	74	63	64
DYNAMICS	9	64	54	1.6	56	53	51
ELECTRICAL CIRCUITS	12	48	46	2.7	47	39	44
ENGINEERING ECON	5	56	57	1.1	57	51	56
ETHICS	5	65	67	1.1	67	68	64
FLUID MECHANICS	8	82	69	1.8	72	65	65
MAT SCI/STR MATTER	8	51	50	1.7	53	43	46
MATHEMATICS	24	63	59	4.1	64	55	55
MECH OF MATERIALS	8	56	57	1.8	60	52	54
STATICS	12	62	56	2.3	60	52	52
THERMODYNAMICS	11	53	44	2.0	46	40	41

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ABET-Accredited Engineering Program Examinees  
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Board: KENTUCKY  
 Board Code: 71  
 Major: CIVIL

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: GENERAL

	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	35	35	1.2	34	32	35
CHEMISTRY	5	80	55	1.3	59	51	50
COMPUTERS	3	70	54	0.9	60	46	45
DYNAMICS	5	55	51	1.4	54	46	46
ENGINRING ECONOMICS	3	36	43	0.9	43	40	44
ETHICS	3	64	61	0.8	62	59	59
FLUID MECHANICS	4	48	49	1.1	51	46	47
MATHEMATICS	12	66	55	2.1	58	52	51
MAT SCI/STR MATTER	3	52	52	0.8	54	49	49
MECH OF MATERIALS	4	45	41	1.1	43	36	40
STATICS	6	53	53	1.4	55	50	52
THERMODYNAMICS	6	33	34	1.2	36	33	31

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ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY  
 Board Code: 71  
 Major: ELECTRICAL

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: ELECTRICAL

	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct

PM Subject (2 points each)

ANALOG ELEC CIRCUITS	6	44	39	1.3	40	37	37
CONT SYS THEORY ANAL	6	48	56	1.3	56	55	55
COMP HARDWR ENGINRNG	3	37	44	0.9	46	43	41
COMP & NUM METHODS	3	63	47	0.8	49	45	44
COMP SOFTWR ENGINRNG	3	56	65	0.9	67	61	61
COMM THEORY	6	57	53	1.4	55	51	49
DIGITAL SYSTEMS	6	52	57	1.6	60	50	54
ELECTRO THEORY & APP	6	37	44	1.3	45	42	41
INSTRUMENTATION	3	44	44	0.9	46	41	40
NETWORK ANALYSIS	6	57	55	1.4	57	52	55
POWER SYSTEMS	3	26	19	0.6	20	19	17
SIGNAL PROCESSING	3	48	42	0.9	43	42	41
SOLID ST ELEC & DEV	6	54	51	1.4	54	48	48

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Board: KENTUCKY  
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 Major: ELECTRICAL

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: GENERAL

	This Institution	State	Nat'l	Comparator Groupings		
No. Examinees Taking	5	6	460	161	60	152
No. Examinees Passing	3	4	303	128	30	93
% Examinees Passing	60%	67%	66%	80%	50%	61%

	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	56	59	2.3	63	57	56
COMPUTERS	7	43	67	1.9	72	65	61
DYNAMICS	9	40	51	1.8	54	54	49
ELECTRICAL CIRCUITS	12	82	71	2.4	76	66	72
ENGINEERING ECON	5	44	51	1.1	52	44	52
ETHICS	5	68	65	1.1	68	61	65
FLUID MECHANICS	8	25	48	1.9	49	45	41
MAT SCI/STR MATTER	8	43	45	1.7	48	44	43
MATHEMATICS	24	68	62	4.3	67	60	60
MECH OF MATERIALS	8	40	33	1.5	34	35	31
STATICS	12	45	45	2.2	48	45	43
THERMODYNAMICS	11	38	41	2.0	43	42	38

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Board: KENTUCKY  
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 Major: ELECTRICAL

Name of Institution: Kentucky, University of  
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	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	73	53	1.3	56	49	53
CHEMISTRY	5	56	50	1.4	54	44	48
COMPUTERS	3	93	78	0.9	86	76	73
DYNAMICS	5	44	49	1.4	56	51	43
ENGINRING ECONOMICS	3	27	40	0.8	38	42	42
ETHICS	3	93	60	0.8	64	65	58
FLUID MECHANICS	4	35	35	1.0	35	36	32
MATHEMATICS	12	57	57	2.1	62	53	56
MAT SCI/STR MATTER	3	47	48	0.9	52	49	44
MECH OF MATERIALS	4	25	33	0.9	35	35	31
STATICS	6	43	38	1.3	38	37	37
THERMODYNAMICS	6	30	33	1.1	33	30	33

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National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 APRIL 2004 Administration

Report 5 - Subject Matter Report by Major Based on Particular PM Examination Selected

ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY  
 Board Code: 71  
 Major: ENVIRONMENTAL

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: GENERAL

	This Institution	State	Nat'l	Comparator Groupings		
No. Examinees Taking	1	1	95	42	14	15
No. Examinees Passing	0	0	66	38	6	11
% Examinees Passing	0%	0%	69%	90%	43%	73%

	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	27	72	1.9	80	65	67
COMPUTERS	7	86	74	1.6	78	76	79
DYNAMICS	9	22	51	1.7	59	44	46
ELECTRICAL CIRCUITS	12	42	45	2.6	49	46	46
ENGINEERING ECON	5	0	53	1.2	55	53	49
ETHICS	5	80	66	1.1	67	71	64
FLUID MECHANICS	8	88	73	1.6	80	73	72
MAT SCI/STR MATTER	8	63	54	1.5	64	44	49
MATHEMATICS	24	50	56	4.2	65	47	52
MECH OF MATERIALS	8	63	48	1.7	56	37	43
STATICS	12	50	47	2.4	58	43	40
THERMODYNAMICS	11	18	49	2.4	59	38	48

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National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 APRIL 2004 Administration

Report 5 - Subject Matter Report by Major Based on Particular PM Examination Selected

ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY  
 Board Code: 71  
 Major: ENVIRONMENTAL

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: GENERAL

	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	50	34	1.2	35	31	37
CHEMISTRY	5	40	71	1.3	81	60	65
COMPUTERS	3	0	60	0.9	63	52	67
DYNAMICS	5	40	47	1.3	53	34	44
ENGINRING ECONOMICS	3	0	40	0.8	42	38	38
ETHICS	3	67	65	0.7	67	69	64
FLUID MECHANICS	4	0	53	1.1	57	57	48
MATHEMATICS	12	42	52	2.3	61	49	53
MAT SCI/STR MATTER	3	0	51	0.8	52	40	53
MECH OF MATERIALS	4	25	36	1.1	40	30	27
STATICS	6	17	41	1.4	44	37	38
THERMODYNAMICS	6	33	41	1.3	51	42	31

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National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 APRIL 2004 Administration

Report 5 - Subject Matter Report by Major Based on Particular PM Examination Selected

ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY  
 Board Code: 71  
 Major: ENVIRONMENTAL

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: ENVIRONMENTAL

	This Institution	State	Nat'l	Comparator Groupings		
No. Examinees Taking	1	1	213	110	41	37
No. Examinees Passing	0	0	176	100	29	29
% Examinees Passing	0%	0%	83%	91%	71%	78%

	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	45	75	1.9	79	72	69
COMPUTERS	7	29	73	1.4	76	74	68
DYNAMICS	9	56	52	1.5	55	50	47
ELECTRICAL CIRCUITS	12	25	41	2.7	43	39	42
ENGINEERING ECON	5	20	55	1.2	55	54	49
ETHICS	5	80	66	1.0	66	66	65
FLUID MECHANICS	8	25	70	1.7	72	69	65
MAT SCI/STR MATTER	8	25	51	1.5	55	51	46
MATHEMATICS	24	38	55	3.8	60	52	51
MECH OF MATERIALS	8	0	39	1.4	39	37	36
STATICS	12	25	45	2.0	47	41	46
THERMODYNAMICS	11	55	50	1.8	51	46	53

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National Council of Examiners for Engineering and Surveying (NCEES)  
Fundamentals of Engineering Examination  
APRIL 2004 Administration

Report 5 - Subject Matter Report by Major Based on Particular PM Examination Selected

ABET-Accredited Engineering Program Examinees  
Currently Enrolled in School

Board: KENTUCKY  
Board Code: 71  
Major: ENVIRONMENTAL

Name of Institution: Kentucky, University of  
School Code: 7101  
PM Examination Selected: ENVIRONMENTAL

PM Subject (2 points each)	Number of Exam Questions	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
		Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct
AIR QUALITY ENG	9	33	64	1.7	66	64	61
ENV SCIENCE & MNGMNT	9	11	53	1.5	55	50	57
WATER RESOURCES	15	53	45	2.6	50	44	41
SOLID & HAZ WASTE	9	0	57	1.8	61	52	52
WATER & WASTEWATER	18	33	48	2.6	51	46	45

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National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 APRIL 2004 Administration

Report 5 - Subject Matter Report by Major Based on Particular PM Examination Selected

ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY  
 Board Code: 71  
 Major: GENERAL ENGINEERING

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: GENERAL

	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct
PM Subject (2 points each)						
ELECTRICAL CIRCUITS	6	17	45	1.4	55	46
CHEMISTRY	5	60	53	1.4	59	45
COMPUTERS	3	67	63	1.0	82	68
DYNAMICS	5	20	53	1.3	57	49
ENGINRING ECONOMICS	3	33	45	0.8	43	45
ETHICS	3	33	64	0.7	67	63
FLUID MECHANICS	4	50	47	1.1	59	36
MATHEMATICS	12	25	53	2.1	63	55
MAT SCI/STR MATTER	3	67	50	0.8	52	48
MECH OF MATERIALS	4	0	40	1.1	47	38
STATICS	6	50	51	1.3	56	45
THERMODYNAMICS	6	17	37	1.2	42	34

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National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 APRIL 2004 Administration

Report 5 - Subject Matter Report by Major Based on Particular PM Examination Selected

ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY	Name of Institution: Kentucky, University of
Board Code: 71	School Code: 7101
Major: MECHANICAL	PM Examination Selected: GENERAL

	This Institution	State	Nat'l	Comparator Groupings		
No. Examinees Taking	17	18	2684	1391	415	523
No. Examinees Passing	17	18	2188	1182	315	399
% Examinees Passing	100%	100%	82%	85%	76%	76%

	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	61	59	2.1	61	57	56
COMPUTERS	7	75	75	1.5	77	70	72
DYNAMICS	9	54	58	1.6	59	57	55
ELECTRICAL CIRCUITS	12	64	59	2.5	60	56	56
ENGINEERING ECON	5	53	53	1.2	53	51	52
ETHICS	5	64	67	1.1	68	65	66
FLUID MECHANICS	8	75	73	1.7	74	73	70
MAT SCI/STR MATTER	8	61	56	1.7	57	56	54
MATHEMATICS	24	64	62	3.9	63	60	59
MECH OF MATERIALS	8	57	56	1.8	56	57	54
STATICS	12	59	55	2.2	55	54	53
THERMODYNAMICS	11	54	56	2.0	57	55	55

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Report 5 - Subject Matter Report by Major Based on Particular PM Examination Selected

ABET-Accredited Engineering Program Examinees  
Currently Enrolled in School

Board: KENTUCKY  
Board Code: 71  
Major: MECHANICAL

Name of Institution: Kentucky, University of  
School Code: 7101  
PM Examination Selected: GENERAL

	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	36	42	1.3	43	39	41
CHEMISTRY	5	51	55	1.3	57	51	53
COMPUTERS	3	61	63	0.9	65	58	57
DYNAMICS	5	65	58	1.3	60	55	54
ENGINRING ECONOMICS	3	45	41	0.8	41	42	42
ETHICS	3	59	61	0.8	61	60	60
FLUID MECHANICS	4	53	52	1.1	53	52	51
MATHEMATICS	12	57	56	2.1	58	55	53
MAT SCI/STR MATTER	3	47	54	0.8	54	52	52
MECH OF MATERIALS	4	38	43	1.0	43	44	43
STATICS	6	59	50	1.4	51	49	48
THERMODYNAMICS	6	39	41	1.3	43	40	39

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Report 5 - Subject Matter Report by Major Based on Particular PM Examination Selected

ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY	Name of Institution: Kentucky, University of
Board Code: 71	School Code: 7101
Major: MECHANICAL	PM Examination Selected: MECHANICAL

	This Institution	State	Nat'l	Comparator Groupings		
No. Examinees Taking	5	5	1145	556	189	160
No. Examinees Passing	3	3	944	482	142	119
% Examinees Passing	60%	60%	82%	87%	75%	74%

	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	65	58	2.1	60	56	56
COMPUTERS	7	66	75	1.5	76	71	73
DYNAMICS	9	71	57	1.6	59	53	54
ELECTRICAL CIRCUITS	12	53	57	2.5	59	54	54
ENGINEERING ECON	5	36	51	1.2	50	52	50
ETHICS	5	64	67	1.1	67	66	68
FLUID MECHANICS	8	70	73	1.7	75	70	71
MAT SCI/STR MATTER	8	60	57	1.7	58	54	53
MATHEMATICS	24	58	59	4.0	61	57	56
MECH OF MATERIALS	8	63	57	1.8	59	54	53
STATICS	12	48	55	2.2	56	54	52
THERMODYNAMICS	11	62	57	2.0	58	56	55

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Report 5 - Subject Matter Report by Major Based on Particular PM Examination Selected

ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: KENTUCKY  
 Board Code: 71  
 Major: MECHANICAL

Name of Institution: Kentucky, University of  
 School Code: 7101  
 PM Examination Selected: MECHANICAL

PM Subject (2 points each)	Number of Exam Questions	This Institution	Nat'l	Nat'l	Carnegie Rsrch/Doc Extensive	Carnegie Rsrch/Doc Intensive	Carnegie Masters Comp.
		Average Percent Correct	Average Percent Correct	Standard Deviation	Average Percent Correct	Average Percent Correct	Average Percent Correct
AUTOMATIC CONTROLS	3	27	34	0.7	33	32	38
COMPUTER	3	20	32	0.9	33	27	29
MECHANICAL DESIGN	6	60	56	1.5	58	54	54
DYNAMIC SYSTEMS	6	63	55	1.4	56	52	52
ENERGY CONVERSION	3	40	45	1.0	48	39	42
FLUID MECHANICS	6	47	59	1.5	60	55	56
FANS/PUMPS & COMPR	3	33	42	0.8	42	39	43
HEAT TRANSFER	6	53	60	1.4	62	57	58
MEASUREMENT & INSTRU	6	50	47	1.3	49	47	45
MATL BEHAV & PROCESS	3	47	41	0.9	43	39	37
REFRIGERATION & HVAC	3	20	33	0.9	33	29	35
STRESS ANALYSIS	6	33	48	1.4	49	45	48
THERMODYNAMICS	6	33	48	1.5	51	44	46

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