

National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 OCTOBER 2003 Administration

Report 6  
 Subject Matter Report by Major/All Majors Combined  
 Including State and National Norms for Each  
 Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: MECHANICAL

Name of Institution: Louisville, University of  
 PM Examination Selected: MECHANICAL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	8	9	798	8	9	844
No. Examinees Passing	8	9	653	8	9	685
% Examinees Passing	100%	100%	82%	100%	100%	81%

	Number of Exam Questions	Specified Major Only			All Majors Combined		
		School Code	State Average Percent Correct	Nat'l Average Percent Correct	School Code	State Average Percent Correct	Nat'l Average Percent Correct
CHEMISTRY	11	51	48	56	51	48	56
COMPUTERS	7	63	57	62	63	57	62
DYNAMICS	9	63	65	69	63	65	69
ELECTRICAL CIRCUITS	12	55	56	52	55	56	52
ENGINEERING ECON	5	68	67	62	68	67	62
ETHICS	5	75	71	61	75	71	60
FLUID MECHANICS	8	78	78	58	78	78	58
MAT SCI/STR MATTER	8	75	75	65	75	75	64
MATHEMATICS	24	96	96	69	96	96	69
MECH OF MATERIALS	8	63	65	63	63	65	63
STATICS	12	58	57	53	58	57	53
THERMODYNAMICS	11	63	62	56	63	62	56

AM Subject (1 point each)

CHEMISTRY	11	51	48	56	51	48	56
COMPUTERS	7	63	57	62	63	57	62
DYNAMICS	9	63	65	69	63	65	69
ELECTRICAL CIRCUITS	12	55	56	52	55	56	52
ENGINEERING ECON	5	68	67	62	68	67	62
ETHICS	5	75	71	61	75	71	60
FLUID MECHANICS	8	78	78	58	78	78	58
MAT SCI/STR MATTER	8	75	75	65	75	75	64
MATHEMATICS	24	96	96	69	96	96	69
MECH OF MATERIALS	8	63	65	63	63	65	63
STATICS	12	58	57	53	58	57	53
THERMODYNAMICS	11	63	62	56	63	62	56

PM Subject (2 points each)

AUTOMATIC CONTROLS	3	71	74	52	71	74	52
COMPUTER	3	63	63	60	63	63	59
MECHANICAL DESIGN	6	69	70	55	69	70	54
DYNAMIC SYSTEMS	6	77	78	64	77	78	64
ENERGY CONVERSION	3	21	26	42	21	26	42
FLUID MECHANICS	6	56	56	54	56	56	53
FANS/PUMPS & COMPR	3	88	89	59	88	89	59
HEAT TRANSFER	6	63	61	53	63	61	52
MEASUREMENT & INSTRU	6	73	70	63	73	70	63
MATL BEHAV & PROCESS	3	71	70	62	71	70	62
REFRIGERATION & HVAC	3	17	15	43	17	15	43
STRESS ANALYSIS	6	48	52	40	48	52	40
THERMODYNAMICS	6	73	72	55	73	72	55

National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 OCTOBER 2003 Administration

Report 6  
 Subject Matter Report by Major/All Majors Combined  
 Including State and National Norms for Each  
 Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: MECHANICAL

Name of Institution: Louisville, University of  
 PM Examination Selected: GENERAL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	5	26	2003	9	54	6543
No. Examinees Passing	5	20	1576	7	39	4266
% Examinees Passing	100%	77%	79%	78%	72%	65%

	School Code	State Average	Nat'l Average	School Code	State Average	Nat'l Average
Number of Exam Questions	Average Percent Correct	Percent Correct	Percent Correct	Average Percent Correct	Percent Correct	Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	64	56	55	61	55	53
COMPUTERS	7	86	63	60	68	60	56
DYNAMICS	9	78	69	66	64	64	60
ELECTRICAL CIRCUITS	12	57	53	52	55	48	48
ENGINEERING ECON	5	76	58	62	64	60	60
ETHICS	5	72	62	61	62	62	60
FLUID MECHANICS	8	80	62	57	63	54	51
MAT SCI/STR MATTER	8	70	63	65	63	60	57
MATHEMATICS	24	75	74	70	74	72	66
MECH OF MATERIALS	8	68	65	60	54	58	55
STATICS	12	52	53	51	46	50	48
THERMODYNAMICS	11	73	57	54	59	51	47

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	50	47	40	37	45	39
CHEMISTRY	5	72	54	50	64	56	49
COMPUTERS	3	67	51	53	67	51	50
DYNAMICS	5	64	48	47	51	44	41
ENGINEERING ECONOMICS	3	53	41	42	48	46	41
ETHICS	3	87	87	77	78	83	73
FLUID MECHANICS	4	45	53	61	50	53	52
MATHEMATICS	12	73	67	66	68	68	63
MAT SCI/STR MATTER	3	73	60	69	67	63	62
MECH OF MATERIALS	4	65	57	50	53	45	41
STATICS	6	70	72	61	56	64	57
THERMODYNAMICS	6	50	41	44	44	41	40

National Council of Examiners for Engineering and Surveying (NCEES)  
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Report 6  
 Subject Matter Report by Major/All Majors Combined  
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 Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: MATERIALS

Name of Institution: Louisville, University of  
 PM Examination Selected: CIVIL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	1	3	55	13	41	2719
No. Examinees Passing	0	2	37	8	31	1867
% Examinees Passing	0%	67%	67%	62%	76%	69%

	School Code	State Average Percent Correct	Nat'l Average Percent Correct	School Code	State Average Percent Correct	Nat'l Average Percent Correct
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AM Subject (1 point each)

CHEMISTRY	11	64	64	50	47	53	51
COMPUTERS	7	43	52	50	43	54	53
DYNAMICS	9	44	48	52	49	56	56
ELECTRICAL CIRCUITS	12	25	42	34	38	35	36
ENGINEERING ECON	5	20	53	60	51	58	60
ETHICS	5	40	53	59	65	63	62
FLUID MECHANICS	8	25	54	46	35	52	52
MAT SCI/STR MATTER	8	13	46	50	44	52	52
MATHEMATICS	24	54	57	57	58	64	61
MECH OF MATERIALS	8	38	46	52	56	60	59
STATICS	12	42	47	51	44	49	52
THERMODYNAMICS	11	27	45	42	36	42	41

PM Subject (2 points each)

CONSTRUCTION MGMNT	3	33	44	39	33	50	45
COMP & NUM METHODS	6	17	56	42	36	46	45
ENVIRONMENTAL ENGR	6	67	61	58	59	59	56
HYDRAUL/HYDROLOG SYS	6	50	61	50	56	57	52
LEGAL & PROF ASPECTS	3	67	67	43	46	47	43
STRUCTURAL ANALYSIS	6	17	56	48	46	58	52
STRUCTURAL DESIGN	6	33	44	44	33	41	42
SOIL MECH & FOUNDAT	6	50	39	49	46	55	56
SURVEYING	6	83	72	56	55	61	58
TRANS FACILITIES	6	17	56	50	51	59	54
WATER PUR & TREAT	6	50	56	55	50	54	57

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Report 6  
 Subject Matter Report by Major/All Majors Combined  
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 Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: INDUSTRIAL

Name of Institution: Louisville, University of  
 PM Examination Selected: INDUSTRIAL

---Specified Major Only---      --All Majors Combined---

	School			School		
	Code	State	Nat'l	Code	State	Nat'l
No. Examinees Taking	1	1	318	1	1	359
No. Examinees Passing	1	1	201	1	1	218
% Examinees Passing	100%	100%	63%	100%	100%	61%

	School			School		
Number of Exam Questions	Code	State	Nat'l	Code	State	Nat'l
	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	45	45	48	45	45	47
COMPUTERS	7	86	86	59	86	86	58
DYNAMICS	9	44	44	49	44	44	49
ELECTRICAL CIRCUITS	12	25	25	41	25	25	41
ENGINEERING ECON	5	80	80	68	80	80	67
ETHICS	5	60	60	57	60	60	57
FLUID MECHANICS	8	13	13	35	13	13	35
MAT SCI/STR MATTER	8	63	63	52	63	63	51
MATHEMATICS	24	75	75	61	75	75	60
MECH OF MATERIALS	8	25	25	40	25	25	40
STATICS	12	50	50	37	50	50	37
THERMODYNAMICS	11	36	36	39	36	36	38

PM Subject (2 points each)

INDUST COST ANALYSIS	3	33	33	62	33	33	63
COMPUT COMP & MODEL	3	33	33	43	33	33	42
ENGINRING ECONOMICS	3	0	0	41	0	0	40
INDUST ERGONOMICS	3	67	67	62	67	67	61
ENGINRNG STATISTICS	3	33	33	55	33	33	54
DESIGN OF INDUST EXP	3	33	33	40	33	33	39
FACILITY DSGN & LOC	3	100	100	58	100	100	57
INFO SYSTEMS DESIGN	3	0	0	63	0	0	62
INDUSTRIAL MNGMENT	3	67	67	52	67	67	53
MANUFACTRNG PROCESS	3	0	0	43	0	0	41
MANUFACTRNG SYS DSGN	3	100	100	68	100	100	68
MAT HAND SYS DESIGN	3	67	67	52	67	67	50
MATH OPTIM & MODELNG	3	0	0	27	0	0	26
PROD MEAS & MNGMENT	3	33	33	36	33	33	35
PROD PLAN & SCHED	3	67	67	34	67	67	34

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ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: INDUSTRIAL

Name of Institution: Louisville, University of  
 PM Examination Selected: INDUSTRIAL

	Number of Exam Questions	School Code Average Percent Correct	State Average Percent Correct	Nat'l Average Percent Correct	School Code Average Percent Correct	State Average Percent Correct	Nat'l Average Percent Correct
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PM Subject (continued) (2 points each)

STAT QUALITY CONTROL	3	67	67	60	67	67	58
TOTAL QUALITY MGMT	3	100	100	62	100	100	61
QUEUING THRY & MODEL	3	33	33	40	33	33	39
SIMULATION	3	33	33	45	33	33	44
WORK PERF & METHODS	3	33	33	45	33	33	44

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 Subject Matter Report by Major/All Majors Combined  
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ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: ELECTRICAL

Name of Institution: Louisville, University of  
 PM Examination Selected: GENERAL

---Specified Major Only---      --All Majors Combined---

	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	1	6	611	9	54	6543
No. Examinees Passing	1	5	312	7	39	4266
% Examinees Passing	100%	83%	51%	78%	72%	65%

	Number of Exam Questions	School Code	State Average Percent Correct	Nat'l Average Percent Correct	School Code	State Average Percent Correct	Nat'l Average Percent Correct
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AM Subject (1 point each)

CHEMISTRY	11	55	48	47	61	55	53
COMPUTERS	7	57	67	54	68	60	56
DYNAMICS	9	56	61	52	64	64	60
ELECTRICAL CIRCUITS	12	58	58	59	55	48	48
ENGINEERING ECON	5	20	53	60	64	60	60
ETHICS	5	60	70	59	62	62	60
FLUID MECHANICS	8	25	23	39	63	54	51
MAT SCI/STR MATTER	8	75	54	52	63	60	57
MATHEMATICS	24	83	82	67	74	72	66
MECH OF MATERIALS	8	38	27	38	54	58	55
STATICS	12	25	43	37	46	50	48
THERMODYNAMICS	11	27	35	41	59	51	47

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	17	53	51	37	45	39
CHEMISTRY	5	40	43	44	64	56	49
COMPUTERS	3	33	67	52	67	51	50
DYNAMICS	5	60	33	35	51	44	41
ENGINEERING ECONOMICS	3	33	28	39	48	46	41
ETHICS	3	33	67	70	78	83	73
FLUID MECHANICS	4	50	42	39	50	53	52
MATHEMATICS	12	75	69	61	68	68	63
MAT SCI/STR MATTER	3	67	56	54	67	63	62
MECH OF MATERIALS	4	25	21	29	53	45	41
STATICS	6	17	61	41	56	64	57
THERMODYNAMICS	6	17	33	36	44	41	40

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ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: ELECTRICAL

Name of Institution: Louisville, University of  
 PM Examination Selected: ELECTRICAL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	6	12	1030	6	12	1165
No. Examinees Passing	6	11	725	6	11	828
% Examinees Passing	100%	92%	70%	100%	92%	71%

	Number of Exam Questions	Specified Major Only			All Majors Combined		
		School Code	State	Nat'l	School Code	State	Nat'l
		Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

	Specified Major Only	All Majors Combined
CHEMISTRY	11	55
COMPUTERS	7	69
DYNAMICS	9	52
ELECTRICAL CIRCUITS	12	61
ENGINEERING ECON	5	80
ETHICS	5	67
FLUID MECHANICS	8	38
MAT SCI/STR MATTER	8	60
MATHEMATICS	24	79
MECH OF MATERIALS	8	40
STATICS	12	42
THERMODYNAMICS	11	44

PM Subject (2 points each)

	Specified Major Only	All Majors Combined
ANALOG ELEC CIRCUITS	6	33
CONT SYS THEORY ANAL	6	61
COMP HARDWR ENGINRNG	3	50
COMP & NUM METHODS	3	22
COMP SOFTWR ENGINRNG	3	50
COMM THEORY	6	42
DIGITAL SYSTEMS	6	64
ELECTRO THEORY & APP	6	69
INSTRUMENTATION	3	33
NETWORK ANALYSIS	6	33
POWER SYSTEMS	3	50
SIGNAL PROCESSING	3	61
SOLID ST ELEC & DEV	6	56

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ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: CIVIL

Name of Institution: Louisville, University of  
 PM Examination Selected: GENERAL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	1	15	2017	9	54	6543
No. Examinees Passing	0	10	1119	7	39	4266
% Examinees Passing	0%	67%	55%	78%	72%	65%

	School Code	State	Nat'l	School Code	State	Nat'l
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	55	55	48	61	55	53
COMPUTERS	7	29	60	51	68	60	56
DYNAMICS	9	33	61	57	64	64	60
ELECTRICAL CIRCUITS	12	58	42	40	55	48	48
ENGINEERING ECON	5	40	68	58	64	60	60
ETHICS	5	20	60	59	62	62	60
FLUID MECHANICS	8	38	58	49	63	54	51
MAT SCI/STR MATTER	8	38	56	51	63	60	57
MATHEMATICS	24	58	68	62	74	72	66
MECH OF MATERIALS	8	63	65	58	54	58	55
STATICS	12	42	57	51	46	50	48
THERMODYNAMICS	11	45	50	40	59	51	47

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	17	40	34	37	45	39
CHEMISTRY	5	80	60	46	64	56	49
COMPUTERS	3	100	44	46	67	51	50
DYNAMICS	5	0	45	37	51	44	41
ENGINEERING ECONOMICS	3	33	58	39	48	46	41
ETHICS	3	67	87	69	78	83	73
FLUID MECHANICS	4	50	57	49	50	53	52
MATHEMATICS	12	42	71	59	68	68	63
MAT SCI/STR MATTER	3	67	69	57	67	63	62
MECH OF MATERIALS	4	50	43	39	53	45	41
STATICS	6	33	62	63	56	64	57
THERMODYNAMICS	6	50	37	37	44	41	40



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ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: CIVIL

Name of Institution: Louisville, University of  
 PM Examination Selected: CIVIL

---Specified Major Only---      --All Majors Combined---

	School			School		
	Code	State	Nat'l	Code	State	Nat'l
No. Examinees Taking	12	38	2541	13	41	2719
No. Examinees Passing	8	29	1768	8	31	1867
% Examinees Passing	67%	76%	70%	62%	76%	69%

	School			School		
Number of Exam Questions	Code	State	Nat'l	Code	State	Nat'l
	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	45	52	51	47	53	51
COMPUTERS	7	43	54	53	43	54	53
DYNAMICS	9	49	56	57	49	56	56
ELECTRICAL CIRCUITS	12	40	35	36	38	35	36
ENGINEERING ECON	5	53	58	60	51	58	60
ETHICS	5	67	64	62	65	63	62
FLUID MECHANICS	8	35	52	52	35	52	52
MAT SCI/STR MATTER	8	47	52	52	44	52	52
MATHEMATICS	24	58	64	61	58	64	61
MECH OF MATERIALS	8	57	61	59	56	60	59
STATICS	12	44	49	52	44	49	52
THERMODYNAMICS	11	36	42	41	36	42	41

PM Subject (2 points each)

CONSTRUCTION MGMNT	3	33	50	45	33	50	45
COMP & NUM METHODS	6	38	45	46	36	46	45
ENVIRONMENTAL ENGR	6	58	59	56	59	59	56
HYDRAUL/HYDROLOG SYS	6	57	57	53	56	57	52
LEGAL & PROF ASPECTS	3	44	46	43	46	47	43
STRUCTURAL ANALYSIS	6	49	58	52	46	58	52
STRUCTURAL DESIGN	6	33	41	42	33	41	42
SOIL MECH & FOUNDAT	6	46	57	56	46	55	56
SURVEYING	6	53	60	58	55	61	58
TRANS FACILITIES	6	54	59	54	51	59	54
WATER PUR & TREAT	6	50	54	57	50	54	57

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 Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: CHEMICAL

Name of Institution: Kentucky, University of  
 PM Examination Selected: GENERAL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	2	3	316	45	54	6543
No. Examinees Passing	2	3	231	32	39	4266
% Examinees Passing	100%	100%	73%	71%	72%	65%

	School Code	State Average Percent Correct	Nat'l Average Percent Correct	School Code	State Average Percent Correct	Nat'l Average Percent Correct
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AM Subject (1 point each)

CHEMISTRY	11	45	58	68	53	55	53
COMPUTERS	7	50	62	63	58	60	56
DYNAMICS	9	56	52	57	64	64	60
ELECTRICAL CIRCUITS	12	58	56	47	47	48	48
ENGINEERING ECON	5	80	73	60	59	60	60
ETHICS	5	70	67	60	62	62	60
FLUID MECHANICS	8	50	50	55	52	54	51
MAT SCI/STR MATTER	8	75	63	65	60	60	57
MATHEMATICS	24	81	81	69	72	72	66
MECH OF MATERIALS	8	56	46	41	58	58	55
STATICS	12	25	33	37	51	50	48
THERMODYNAMICS	11	68	64	57	50	51	47

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	50	33	34	47	45	39
CHEMISTRY	5	100	100	67	55	56	49
COMPUTERS	3	33	56	54	47	51	50
DYNAMICS	5	60	47	36	43	44	41
ENGINRING ECONOMICS	3	83	78	45	46	46	41
ETHICS	3	83	78	75	84	83	73
FLUID MECHANICS	4	75	83	52	54	53	52
MATHEMATICS	12	79	81	65	68	68	63
MAT SCI/STR MATTER	3	100	100	67	62	63	62
MECH OF MATERIALS	4	25	33	29	43	45	41
STATICS	6	25	28	40	66	64	57
THERMODYNAMICS	6	67	61	46	40	41	40

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Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
All Examinees

Board: KENTUCKY  
Major: CIVIL

Name of Institution: Kentucky, University of  
PM Examination Selected: CIVIL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	26	38	2541	28	41	2719
No. Examinees Passing	21	29	1768	23	31	1867
% Examinees Passing	81%	76%	70%	82%	76%	69%

	Number of Exam Questions	Specified Major Only			All Majors Combined		
		School Code	State Average Percent Correct	Nat'l Average Percent Correct	School Code	State Average Percent Correct	Nat'l Average Percent Correct
CHEMISTRY	11	55	52	51	55	53	51
COMPUTERS	7	59	54	53	59	54	53
DYNAMICS	9	59	56	57	59	56	56
ELECTRICAL CIRCUITS	12	33	35	36	34	35	36
ENGINEERING ECON	5	61	58	60	61	58	60
ETHICS	5	63	64	62	63	63	62
FLUID MECHANICS	8	60	52	52	60	52	52
MAT SCI/STR MATTER	8	55	52	52	55	52	52
MATHEMATICS	24	67	64	61	66	64	61
MECH OF MATERIALS	8	63	61	59	62	60	59
STATICS	12	52	49	52	51	49	52
THERMODYNAMICS	11	45	42	41	45	42	41

AM Subject (1 point each)

CHEMISTRY	11	55	52	51	55	53	51
COMPUTERS	7	59	54	53	59	54	53
DYNAMICS	9	59	56	57	59	56	56
ELECTRICAL CIRCUITS	12	33	35	36	34	35	36
ENGINEERING ECON	5	61	58	60	61	58	60
ETHICS	5	63	64	62	63	63	62
FLUID MECHANICS	8	60	52	52	60	52	52
MAT SCI/STR MATTER	8	55	52	52	55	52	52
MATHEMATICS	24	67	64	61	66	64	61
MECH OF MATERIALS	8	63	61	59	62	60	59
STATICS	12	52	49	52	51	49	52
THERMODYNAMICS	11	45	42	41	45	42	41

PM Subject (2 points each)

CONSTRUCTION MGMNT	3	58	50	45	57	50	45
COMP & NUM METHODS	6	49	45	46	51	46	45
ENVIRONMENTAL ENGR	6	60	59	56	60	59	56
HYDRAUL/HYDROLOG SYS	6	56	57	53	57	57	52
LEGAL & PROF ASPECTS	3	46	46	43	48	47	43
STRUCTURAL ANALYSIS	6	62	58	52	63	58	52
STRUCTURAL DESIGN	6	45	41	42	45	41	42
SOIL MECH & FOUNDAT	6	62	57	56	60	55	56
SURVEYING	6	63	60	58	63	61	58
TRANS FACILITIES	6	62	59	54	63	59	54
WATER PUR & TREAT	6	56	54	57	56	54	57

National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 OCTOBER 2003 Administration

Report 6  
 Subject Matter Report by Major/All Majors Combined  
 Including State and National Norms for Each  
 Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: CIVIL

Name of Institution: Kentucky, University of  
 PM Examination Selected: GENERAL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	14	15	2017	45	54	6543
No. Examinees Passing	10	10	1119	32	39	4266
% Examinees Passing	71%	67%	55%	71%	72%	65%

	Number of Exam Questions	Specified Major Only			All Majors Combined		
		School Code	State	Nat'l	School Code	State	Nat'l
		Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

Subject	No. Examinees Taking	Specified Major Only (School Code)	Specified Major Only (State)	Specified Major Only (Nat'l)	All Majors Combined (School Code)	All Majors Combined (State)	All Majors Combined (Nat'l)
CHEMISTRY	11	55	55	48	53	55	53
COMPUTERS	7	62	60	51	58	60	56
DYNAMICS	9	63	61	57	64	64	60
ELECTRICAL CIRCUITS	12	41	42	40	47	48	48
ENGINEERING ECON	5	70	68	58	59	60	60
ETHICS	5	63	60	59	62	62	60
FLUID MECHANICS	8	59	58	49	52	54	51
MAT SCI/STR MATTER	8	57	56	51	60	60	57
MATHEMATICS	24	69	68	62	72	72	66
MECH OF MATERIALS	8	65	65	58	58	58	55
STATICS	12	58	57	51	51	50	48
THERMODYNAMICS	11	51	50	40	50	51	47

PM Subject (2 points each)

Subject	No. Examinees Taking	Specified Major Only (School Code)	Specified Major Only (State)	Specified Major Only (Nat'l)	All Majors Combined (School Code)	All Majors Combined (State)	All Majors Combined (Nat'l)
ELECTRICAL CIRCUITS	6	42	40	34	47	45	39
CHEMISTRY	5	59	60	46	55	56	49
COMPUTERS	3	40	44	46	47	51	50
DYNAMICS	5	49	45	37	43	44	41
ENGINEERING ECONOMICS	3	60	58	39	46	46	41
ETHICS	3	88	87	69	84	83	73
FLUID MECHANICS	4	57	57	49	54	53	52
MATHEMATICS	12	73	71	59	68	68	63
MAT SCI/STR MATTER	3	69	69	57	62	63	62
MECH OF MATERIALS	4	43	43	39	43	45	41
STATICS	6	64	62	63	66	64	57
THERMODYNAMICS	6	36	37	37	40	41	40

National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 OCTOBER 2003 Administration

Report 6  
 Subject Matter Report by Major/All Majors Combined  
 Including State and National Norms for Each  
 Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: ELECTRICAL

Name of Institution: Kentucky, University of  
 PM Examination Selected: ELECTRICAL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	6	12	1030	6	12	1165
No. Examinees Passing	5	11	725	5	11	828
% Examinees Passing	83%	92%	70%	83%	92%	71%

	School Code	State Average Percent Correct	Nat'l Average Percent Correct	School Code	State Average Percent Correct	Nat'l Average Percent Correct
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AM Subject (1 point each)

CHEMISTRY	11	50	52	51	50	52	51
COMPUTERS	7	57	63	61	57	63	62
DYNAMICS	9	57	55	56	57	55	56
ELECTRICAL CIRCUITS	12	61	61	65	61	61	65
ENGINEERING ECON	5	30	55	57	30	55	57
ETHICS	5	43	55	61	43	55	61
FLUID MECHANICS	8	42	40	40	42	40	40
MAT SCI/STR MATTER	8	67	64	57	67	64	57
MATHEMATICS	24	75	77	72	75	77	71
MECH OF MATERIALS	8	46	43	39	46	43	39
STATICS	12	31	36	37	31	36	37
THERMODYNAMICS	11	44	44	41	44	44	41

PM Subject (2 points each)

ANALOG ELEC CIRCUITS	6	22	28	34	22	28	34
CONT SYS THEORY ANAL	6	31	46	42	31	46	42
COMP HARDWR ENGINRNG	3	22	36	37	22	36	39
COMP & NUM METHODS	3	33	28	31	33	28	32
COMP SOFTWR ENGINRNG	3	39	44	50	39	44	51
COMM THEORY	6	31	36	38	31	36	38
DIGITAL SYSTEMS	6	44	54	58	44	54	59
ELECTRO THEORY & APP	6	61	65	64	61	65	64
INSTRUMENTATION	3	28	31	33	28	31	33
NETWORK ANALYSIS	6	33	33	34	33	33	34
POWER SYSTEMS	3	44	47	32	44	47	32
SIGNAL PROCESSING	3	50	56	36	50	56	36
SOLID ST ELEC & DEV	6	53	54	54	53	54	55

National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 OCTOBER 2003 Administration

Report 6  
 Subject Matter Report by Major/All Majors Combined  
 Including State and National Norms for Each  
 Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: ELECTRICAL

Name of Institution: Kentucky, University of  
 PM Examination Selected: GENERAL

---Specified Major Only---      --All Majors Combined---

	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	5	6	611	45	54	6543
No. Examinees Passing	4	5	312	32	39	4266
% Examinees Passing	80%	83%	51%	71%	72%	65%

Number of Exam Questions	School Code	State Average Percent Correct	Nat'l Average Percent Correct	School Code	State Average Percent Correct	Nat'l Average Percent Correct
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AM Subject (1 point each)

CHEMISTRY	11	47	48	47	53	55	53
COMPUTERS	7	69	67	54	58	60	56
DYNAMICS	9	62	61	52	64	64	60
ELECTRICAL CIRCUITS	12	58	58	59	47	48	48
ENGINEERING ECON	5	60	53	60	59	60	60
ETHICS	5	72	70	59	62	62	60
FLUID MECHANICS	8	23	23	39	52	54	51
MAT SCI/STR MATTER	8	50	54	52	60	60	57
MATHEMATICS	24	82	82	67	72	72	66
MECH OF MATERIALS	8	25	27	38	58	58	55
STATICS	12	47	43	37	51	50	48
THERMODYNAMICS	11	36	35	41	50	51	47

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	60	53	51	47	45	39
CHEMISTRY	5	44	43	44	55	56	49
COMPUTERS	3	73	67	52	47	51	50
DYNAMICS	5	28	33	35	43	44	41
ENGINEERING ECONOMICS	3	27	28	39	46	46	41
ETHICS	3	73	67	70	84	83	73
FLUID MECHANICS	4	40	42	39	54	53	52
MATHEMATICS	12	68	69	61	68	68	63
MAT SCI/STR MATTER	3	53	56	54	62	63	62
MECH OF MATERIALS	4	20	21	29	43	45	41
STATICS	6	70	61	41	66	64	57
THERMODYNAMICS	6	37	33	36	40	41	40

National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 OCTOBER 2003 Administration

Report 6  
 Subject Matter Report by Major/All Majors Combined  
 Including State and National Norms for Each  
 Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: MATERIALS

Name of Institution: Kentucky, University of  
 PM Examination Selected: CIVIL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	2	3	55	28	41	2719
No. Examinees Passing	2	2	37	23	31	1867
% Examinees Passing	100%	67%	67%	82%	76%	69%

	Number of Exam Questions	Specified Major Only			All Majors Combined		
		School Code	State	Nat'l	School Code	State	Nat'l
		Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct
CHEMISTRY	11	64	64	50	55	53	51
COMPUTERS	7	57	52	50	59	54	53
DYNAMICS	9	50	48	52	59	56	56
ELECTRICAL CIRCUITS	12	50	42	34	34	35	36
ENGINEERING ECON	5	70	53	60	61	58	60
ETHICS	5	60	53	59	63	63	62
FLUID MECHANICS	8	69	54	46	60	52	52
MAT SCI/STR MATTER	8	63	46	50	55	52	52
MATHEMATICS	24	58	57	57	66	64	61
MECH OF MATERIALS	8	50	46	52	62	60	59
STATICS	12	50	47	51	51	49	52
THERMODYNAMICS	11	55	45	42	45	42	41

AM Subject (1 point each)

CHEMISTRY	11	64	64	50	55	53	51
COMPUTERS	7	57	52	50	59	54	53
DYNAMICS	9	50	48	52	59	56	56
ELECTRICAL CIRCUITS	12	50	42	34	34	35	36
ENGINEERING ECON	5	70	53	60	61	58	60
ETHICS	5	60	53	59	63	63	62
FLUID MECHANICS	8	69	54	46	60	52	52
MAT SCI/STR MATTER	8	63	46	50	55	52	52
MATHEMATICS	24	58	57	57	66	64	61
MECH OF MATERIALS	8	50	46	52	62	60	59
STATICS	12	50	47	51	51	49	52
THERMODYNAMICS	11	55	45	42	45	42	41

PM Subject (2 points each)

CONSTRUCTION MGMNT	3	50	44	39	57	50	45
COMP & NUM METHODS	6	75	56	42	51	46	45
ENVIRONMENTAL ENGR	6	58	61	58	60	59	56
HYDRAUL/HYDROLOG SYS	6	67	61	50	57	57	52
LEGAL & PROF ASPECTS	3	67	67	43	48	47	43
STRUCTURAL ANALYSIS	6	75	56	48	63	58	52
STRUCTURAL DESIGN	6	50	44	44	45	41	42
SOIL MECH & FOUNDAT	6	33	39	49	60	55	56
SURVEYING	6	67	72	56	63	61	58
TRANS FACILITIES	6	75	56	50	63	59	54
WATER PUR & TREAT	6	58	56	55	56	54	57



National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 OCTOBER 2003 Administration

Report 6  
 Subject Matter Report by Major/All Majors Combined  
 Including State and National Norms for Each  
 Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: MATERIALS

Name of Institution: Kentucky, University of  
 PM Examination Selected: GENERAL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	1	1	143	45	54	6543
No. Examinees Passing	1	1	96	32	39	4266
% Examinees Passing	100%	100%	67%	71%	72%	65%

	Number of Exam Questions	Specified Major Only			All Majors Combined		
		School Code	State	Nat'l	School Code	State	Nat'l
		Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

Subject	No. Examinees	School Code	State	Nat'l	School Code	State	Nat'l
CHEMISTRY	11	82	82	56	53	55	53
COMPUTERS	7	43	43	54	58	60	56
DYNAMICS	9	89	89	61	64	64	60
ELECTRICAL CIRCUITS	12	25	25	49	47	48	48
ENGINEERING ECON	5	60	60	58	59	60	60
ETHICS	5	60	60	59	62	62	60
FLUID MECHANICS	8	25	25	52	52	54	51
MAT SCI/STR MATTER	8	88	88	60	60	60	57
MATHEMATICS	24	71	71	66	72	72	66
MECH OF MATERIALS	8	38	38	54	58	58	55
STATICS	12	25	25	45	51	50	48
THERMODYNAMICS	11	27	27	50	50	51	47

PM Subject (2 points each)

Subject	No. Examinees	School Code	State	Nat'l	School Code	State	Nat'l
ELECTRICAL CIRCUITS	6	33	33	38	47	45	39
CHEMISTRY	5	80	80	52	55	56	49
COMPUTERS	3	67	67	50	47	51	50
DYNAMICS	5	40	40	42	43	44	41
ENGINEERING ECONOMICS	3	67	67	43	46	46	41
ETHICS	3	67	67	73	84	83	73
FLUID MECHANICS	4	25	25	52	54	53	52
MATHEMATICS	12	75	75	65	68	68	63
MAT SCI/STR MATTER	3	67	67	67	62	63	62
MECH OF MATERIALS	4	25	25	41	43	45	41
STATICS	6	50	50	55	66	64	57
THERMODYNAMICS	6	67	67	40	40	41	40



National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 OCTOBER 2003 Administration

Report 6  
 Subject Matter Report by Major/All Majors Combined  
 Including State and National Norms for Each  
 Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: MECHANICAL

Name of Institution: Kentucky, University of  
 PM Examination Selected: GENERAL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	21	26	2003	45	54	6543
No. Examinees Passing	15	20	1576	32	39	4266
% Examinees Passing	71%	77%	79%	71%	72%	65%

	School Code	State Average Percent Correct	Nat'l Average Percent Correct	School Code	State Average Percent Correct	Nat'l Average Percent Correct
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	54	56	55	53	55	53
COMPUTERS	7	57	63	60	58	60	56
DYNAMICS	9	67	69	66	64	64	60
ELECTRICAL CIRCUITS	12	52	53	52	47	48	48
ENGINEERING ECON	5	53	58	62	59	60	60
ETHICS	5	60	62	61	62	62	60
FLUID MECHANICS	8	58	62	57	52	54	51
MAT SCI/STR MATTER	8	62	63	65	60	60	57
MATHEMATICS	24	74	74	70	72	72	66
MECH OF MATERIALS	8	65	65	60	58	58	55
STATICS	12	54	53	51	51	50	48
THERMODYNAMICS	11	54	57	54	50	51	47

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	47	47	40	47	45	39
CHEMISTRY	5	50	54	50	55	56	49
COMPUTERS	3	48	51	53	47	51	50
DYNAMICS	5	45	48	47	43	44	41
ENGINEERING ECONOMICS	3	38	41	42	46	46	41
ETHICS	3	87	87	77	84	83	73
FLUID MECHANICS	4	55	53	61	54	53	52
MATHEMATICS	12	65	67	66	68	68	63
MAT SCI/STR MATTER	3	57	60	69	62	63	62
MECH OF MATERIALS	4	55	57	50	43	45	41
STATICS	6	73	72	61	66	64	57
THERMODYNAMICS	6	39	41	44	40	41	40

National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 OCTOBER 2003 Administration

Report 6  
 Subject Matter Report by Major/All Majors Combined  
 Including State and National Norms for Each  
 Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: MECHANICAL

Name of Institution: Kentucky, University of  
 PM Examination Selected: MECHANICAL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	1	9	798	1	9	844
No. Examinees Passing	1	9	653	1	9	685
% Examinees Passing	100%	100%	82%	100%	100%	81%

	Number of Exam Questions	Specified Major Only			All Majors Combined		
		School Code	State Average Percent Correct	Nat'l Average Percent Correct	School Code	State Average Percent Correct	Nat'l Average Percent Correct
CHEMISTRY	11	27	48	56	27	48	56
COMPUTERS	7	14	57	62	14	57	62
DYNAMICS	9	89	65	69	89	65	69
ELECTRICAL CIRCUITS	12	67	56	52	67	56	52
ENGINEERING ECON	5	60	67	62	60	67	62
ETHICS	5	40	71	61	40	71	60
FLUID MECHANICS	8	75	78	58	75	78	58
MAT SCI/STR MATTER	8	75	75	65	75	75	64
MATHEMATICS	24	83	86	69	83	86	69
MECH OF MATERIALS	8	88	65	63	88	65	63
STATICS	12	50	57	53	50	57	53
THERMODYNAMICS	11	55	62	56	55	62	56

AM Subject (1 point each)

CHEMISTRY	11	27	48	56	27	48	56
COMPUTERS	7	14	57	62	14	57	62
DYNAMICS	9	89	65	69	89	65	69
ELECTRICAL CIRCUITS	12	67	56	52	67	56	52
ENGINEERING ECON	5	60	67	62	60	67	62
ETHICS	5	40	71	61	40	71	60
FLUID MECHANICS	8	75	78	58	75	78	58
MAT SCI/STR MATTER	8	75	75	65	75	75	64
MATHEMATICS	24	83	86	69	83	86	69
MECH OF MATERIALS	8	88	65	63	88	65	63
STATICS	12	50	57	53	50	57	53
THERMODYNAMICS	11	55	62	56	55	62	56

PM Subject (2 points each)

AUTOMATIC CONTROLS	3	100	74	52	100	74	52
COMPUTER	3	67	63	60	67	63	59
MECHANICAL DESIGN	6	83	70	55	83	70	54
DYNAMIC SYSTEMS	6	83	78	64	83	78	64
ENERGY CONVERSION	3	67	26	42	67	26	42
FLUID MECHANICS	6	50	56	54	50	56	53
FANS/PUMPS & COMPR	3	100	89	59	100	89	59
HEAT TRANSFER	6	50	61	53	50	61	52
MEASUREMENT & INSTRU	6	50	70	63	50	70	63
MATL BEHAV & PROCESS	3	67	70	62	67	70	62
REFRIGERATION & HVAC	3	0	15	43	0	15	43
STRESS ANALYSIS	6	83	52	40	83	52	40
THERMODYNAMICS	6	67	72	55	67	72	55

National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 OCTOBER 2003 Administration

Report 6  
 Subject Matter Report by Major/All Majors Combined  
 Including State and National Norms for Each  
 Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: MINING

Name of Institution: Kentucky, University of  
 PM Examination Selected: GENERAL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	2	2	37	45	54	6543
No. Examinees Passing	0	0	25	32	39	4266
% Examinees Passing	0%	0%	68%	71%	72%	65%

	Number of Exam Questions	School			School		
		Code	State	Nat'l	Code	State	Nat'l
		Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct
		41	41	54	53	55	53
		29	29	64	58	60	56
		39	39	65	64	64	60
		17	17	48	47	48	48
		20	20	61	59	60	60
		50	50	63	62	62	60
		38	38	59	52	54	51
		50	50	64	60	60	57
		42	42	65	72	72	66
		38	38	58	58	58	55
		29	29	51	51	50	48
		27	27	46	50	51	47

AM Subject (1 point each)

CHEMISTRY	11	41	41	54	53	55	53
COMPUTERS	7	29	29	64	58	60	56
DYNAMICS	9	39	39	65	64	64	60
ELECTRICAL CIRCUITS	12	17	17	48	47	48	48
ENGINEERING ECON	5	20	20	61	59	60	60
ETHICS	5	50	50	63	62	62	60
FLUID MECHANICS	8	38	38	59	52	54	51
MAT SCI/STR MATTER	8	50	50	64	60	60	57
MATHEMATICS	24	42	42	65	72	72	66
MECH OF MATERIALS	8	38	38	58	58	58	55
STATICS	12	29	29	51	51	50	48
THERMODYNAMICS	11	27	27	46	50	51	47

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	58	58	40	47	45	39
CHEMISTRY	5	50	50	56	55	56	49
COMPUTERS	3	33	33	52	47	51	50
DYNAMICS	5	0	0	49	43	44	41
ENGINRING ECONOMICS	3	33	33	48	46	46	41
ETHICS	3	67	67	71	84	83	73
FLUID MECHANICS	4	50	50	64	54	53	52
MATHEMATICS	12	42	42	60	68	68	63
MAT SCI/STR MATTER	3	50	50	60	62	63	62
MECH OF MATERIALS	4	13	13	35	43	45	41
STATICS	6	33	33	58	66	64	57
THERMODYNAMICS	6	50	50	40	40	41	40

National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 OCTOBER 2003 Administration

Report 6  
 Subject Matter Report by Major/All Majors Combined  
 Including State and National Norms for Each  
 Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: ARCHITECTURAL

Name of Institution: Louisville, University of  
 PM Examination Selected: GENERAL

---Specified Major Only---      --All Majors Combined---

	School			School		
	Code	State	Nat'l	Code	State	Nat'l
No. Examinees Taking	1	1	159	9	54	6543
No. Examinees Passing	0	0	101	7	39	4266
% Examinees Passing	0%	0%	64%	78%	72%	65%

	School			School		
Number of Exam Questions	Code	State	Nat'l	Code	State	Nat'l
	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	36	36	51	61	55	53
COMPUTERS	7	14	14	53	68	60	56
DYNAMICS	9	56	56	57	64	64	60
ELECTRICAL CIRCUITS	12	42	42	47	55	48	48
ENGINEERING ECON	5	80	80	60	64	60	60
ETHICS	5	60	60	62	62	62	60
FLUID MECHANICS	8	50	50	48	63	54	51
MAT SCI/STR MATTER	8	63	63	51	63	60	57
MATHEMATICS	24	67	67	61	74	72	66
MECH OF MATERIALS	8	25	25	58	54	58	55
STATICS	12	42	42	51	46	50	48
THERMODYNAMICS	11	36	36	48	59	51	47

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	50	50	43	37	45	39
CHEMISTRY	5	0	0	47	64	56	49
COMPUTERS	3	33	33	47	67	51	50
DYNAMICS	5	60	60	36	51	44	41
ENGINRING ECONOMICS	3	33	33	39	48	46	41
ETHICS	3	100	100	76	78	83	73
FLUID MECHANICS	4	25	25	47	50	53	52
MATHEMATICS	12	42	42	59	68	68	63
MAT SCI/STR MATTER	3	0	0	59	67	63	62
MECH OF MATERIALS	4	25	25	40	53	45	41
STATICS	6	67	67	63	56	64	57
THERMODYNAMICS	6	33	33	38	44	41	40

National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 OCTOBER 2003 Administration

Report 6  
 Subject Matter Report by Major/All Majors Combined  
 Including State and National Norms for Each  
 Based On Particular PM Examination Selected

ABET Accredited Engineering Program Examinees  
 All Examinees

Board: KENTUCKY  
 Major: CHEMICAL

Name of Institution: Louisville, University of  
 PM Examination Selected: GENERAL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	1	3	316	9	54	6543
No. Examinees Passing	1	3	231	7	39	4266
% Examinees Passing	100%	100%	73%	78%	72%	65%

	School Code	State Average Percent Correct	Nat'l Average Percent Correct	School Code	State Average Percent Correct	Nat'l Average Percent Correct
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AM Subject (1 point each)

CHEMISTRY	11	82	58	68	61	55	53
COMPUTERS	7	86	62	63	68	60	56
DYNAMICS	9	44	52	57	64	64	60
ELECTRICAL CIRCUITS	12	50	56	47	55	48	48
ENGINEERING ECON	5	60	73	60	64	60	60
ETHICS	5	60	67	60	62	62	60
FLUID MECHANICS	8	50	50	55	63	54	51
MAT SCI/STR MATTER	8	38	63	65	63	60	57
MATHEMATICS	24	79	81	69	74	72	66
MECH OF MATERIALS	8	25	46	41	54	58	55
STATICS	12	50	33	37	46	50	48
THERMODYNAMICS	11	55	64	57	59	51	47

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	0	33	34	37	45	39
CHEMISTRY	5	100	100	67	64	56	49
COMPUTERS	3	100	56	54	67	51	50
DYNAMICS	5	20	47	36	51	44	41
ENGINRING ECONOMICS	3	67	78	45	48	46	41
ETHICS	3	67	78	75	78	83	73
FLUID MECHANICS	4	100	83	52	50	53	52
MATHEMATICS	12	83	81	65	68	68	63
MAT SCI/STR MATTER	3	100	100	67	67	63	62
MECH OF MATERIALS	4	50	33	29	53	45	41
STATICS	6	33	28	40	56	64	57
THERMODYNAMICS	6	50	61	46	44	41	40

National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 OCTOBER 2003 Administration

Report 6A  
 Subject Matter Report by Major/All Majors Combined  
 Including State and National Norms for Each  
 Based On Particular PM Examination Selected

ABET Accredited Engineering Technology Program  
 All Examinees

Board: KENTUCKY  
 Major: GENERAL ENGINEERING

Name of Institution: Murray State Univ (Eng Tech)  
 PM Examination Selected: GENERAL

---Specified Major Only---      --All Majors Combined---

	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	1	1	6	1	5	397
No. Examinees Passing	0	0	1	0	4	145
% Examinees Passing	0%	0%	17%	0%	80%	37%

	Number of Exam Questions	School Code	State Average Percent Correct	Nat'l Average Percent Correct	School Code	State Average Percent Correct	Nat'l Average Percent Correct
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AM Subject (1 point each)

CHEMISTRY	11	45	45	45	45	53	41
COMPUTERS	7	43	43	48	43	63	45
DYNAMICS	9	56	56	43	56	58	50
ELECTRICAL CIRCUITS	12	17	17	36	17	42	40
ENGINEERING ECON	5	100	100	63	100	68	55
ETHICS	5	80	80	73	80	68	65
FLUID MECHANICS	8	25	25	29	25	53	43
MAT SCI/STR MATTER	8	38	38	46	38	50	48
MATHEMATICS	24	54	54	44	54	75	50
MECH OF MATERIALS	8	50	50	42	50	73	49
STATICS	12	25	25	26	25	50	40
THERMODYNAMICS	11	0	0	29	0	40	40

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	33	33	33	33	27	34
CHEMISTRY	5	20	20	33	20	44	40
COMPUTERS	3	0	0	33	0	40	40
DYNAMICS	5	20	20	10	20	52	31
ENGINRING ECONOMICS	3	0	0	39	0	47	38
ETHICS	3	67	67	83	67	60	73
FLUID MECHANICS	4	25	25	42	25	70	44
MATHEMATICS	12	42	42	50	42	65	49
MAT SCI/STR MATTER	3	33	33	61	33	40	59
MECH OF MATERIALS	4	25	25	17	25	50	35
STATICS	6	17	17	25	17	77	49
THERMODYNAMICS	6	17	17	31	17	50	35

National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 OCTOBER 2003 Administration

Report 6A  
 Subject Matter Report by Major/All Majors Combined  
 Including State and National Norms for Each  
 Based On Particular PM Examination Selected

ABET Accredited Engineering Technology Program  
 All Examinees

Board: KENTUCKY  
 Major: CIVIL

Name of Institution: Western Kentucky University  
 PM Examination Selected: CIVIL

---Specified Major Only---      --All Majors Combined---

	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	3	3	267	3	3	322
No. Examinees Passing	0	0	81	0	0	93
% Examinees Passing	0%	0%	30%	0%	0%	29%

	Number of Exam Questions	School Code	State Average Percent Correct	Nat'l Average Percent Correct	School Code	State Average Percent Correct	Nat'l Average Percent Correct
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AM Subject (1 point each)

CHEMISTRY	11	30	30	34	30	30	34
COMPUTERS	7	48	48	41	48	48	40
DYNAMICS	9	67	67	45	67	67	44
ELECTRICAL CIRCUITS	12	19	19	29	19	19	29
ENGINEERING ECON	5	47	47	52	47	47	52
ETHICS	5	67	67	63	67	67	64
FLUID MECHANICS	8	46	46	41	46	46	40
MAT SCI/STR MATTER	8	46	46	42	46	46	41
MATHEMATICS	24	47	47	43	47	47	43
MECH OF MATERIALS	8	38	38	48	38	38	46
STATICS	12	22	22	42	22	22	40
THERMODYNAMICS	11	39	39	32	39	39	32

PM Subject (2 points each)

CONSTRUCTION MGMNT	3	33	33	37	33	33	38
COMP & NUM METHODS	6	22	22	32	22	22	32
ENVIRONMENTAL ENGR	6	56	56	49	56	56	48
HYDRAUL/HYDROLOG SYS	6	50	50	47	50	50	46
LEGAL & PROF ASPECTS	3	44	44	47	44	44	48
STRUCTURAL ANALYSIS	6	22	22	42	22	22	40
STRUCTURAL DESIGN	6	44	44	40	44	44	41
SOIL MECH & FOUNDAT	6	61	61	47	61	61	46
SURVEYING	6	50	50	52	50	50	52
TRANS FACILITIES	6	44	44	45	44	44	44
WATER PUR & TREAT	6	28	28	47	28	28	46



National Council of Examiners for Engineering and Surveying (NCEES)  
Fundamentals of Engineering Examination  
OCTOBER 2003 Administration

Report 6A  
Subject Matter Report by Major/All Majors Combined  
Including State and National Norms for Each  
Based On Particular PM Examination Selected

ABET Accredited Engineering Technology Program  
All Examinees

Board: KENTUCKY  
Major: CIVIL

Name of Institution: Western Kentucky University  
PM Examination Selected: GENERAL

	---Specified Major Only---			--All Majors Combined---		
	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	4	4	109	4	5	397
No. Examinees Passing	4	4	38	4	4	145
% Examinees Passing	100%	100%	35%	100%	80%	37%

	School Code	State	Nat'l	School Code	State	Nat'l
Number of Exam Questions	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct	Average Percent Correct

AM Subject (1 point each)

CHEMISTRY	11	55	55	42	55	53	41
COMPUTERS	7	68	68	44	68	63	45
DYNAMICS	9	58	58	46	58	58	50
ELECTRICAL CIRCUITS	12	48	48	32	48	42	40
ENGINEERING ECON	5	60	60	55	60	68	55
ETHICS	5	65	65	59	65	68	65
FLUID MECHANICS	8	59	59	42	59	53	43
MAT SCI/STR MATTER	8	53	53	42	53	50	48
MATHEMATICS	24	80	80	51	80	75	50
MECH OF MATERIALS	8	78	78	51	78	73	49
STATICS	12	56	56	42	56	50	40
THERMODYNAMICS	11	50	50	39	50	40	40

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	25	25	32	25	27	34
CHEMISTRY	5	50	50	41	50	44	40
COMPUTERS	3	50	50	37	50	40	40
DYNAMICS	5	60	60	29	60	52	31
ENGINRING ECONOMICS	3	58	58	39	58	47	38
ETHICS	3	58	58	69	58	60	73
FLUID MECHANICS	4	81	81	45	81	70	44
MATHEMATICS	12	71	71	49	71	65	49
MAT SCI/STR MATTER	3	42	42	53	42	40	59
MECH OF MATERIALS	4	56	56	34	56	50	35
STATICS	6	92	92	54	92	77	49
THERMODYNAMICS	6	58	58	36	58	50	35



National Council of Examiners for Engineering and Surveying (NCEES)  
Fundamentals of Engineering Examination  
OCTOBER 2003 Administration

Report 6A  
Subject Matter Report by Major/All Majors Combined  
Including State and National Norms for Each  
Based On Particular PM Examination Selected

ABET Accredited Engineering Technology Program  
All Examinees

Board: KENTUCKY  
Major: MECHANICAL

Name of Institution: Western Kentucky University  
PM Examination Selected: MECHANICAL

---Specified Major Only---      --All Majors Combined---

	School Code	State	Nat'l	School Code	State	Nat'l
No. Examinees Taking	1	1	59	1	1	70
No. Examinees Passing	0	0	23	0	0	27
% Examinees Passing	0%	0%	39%	0%	0%	39%

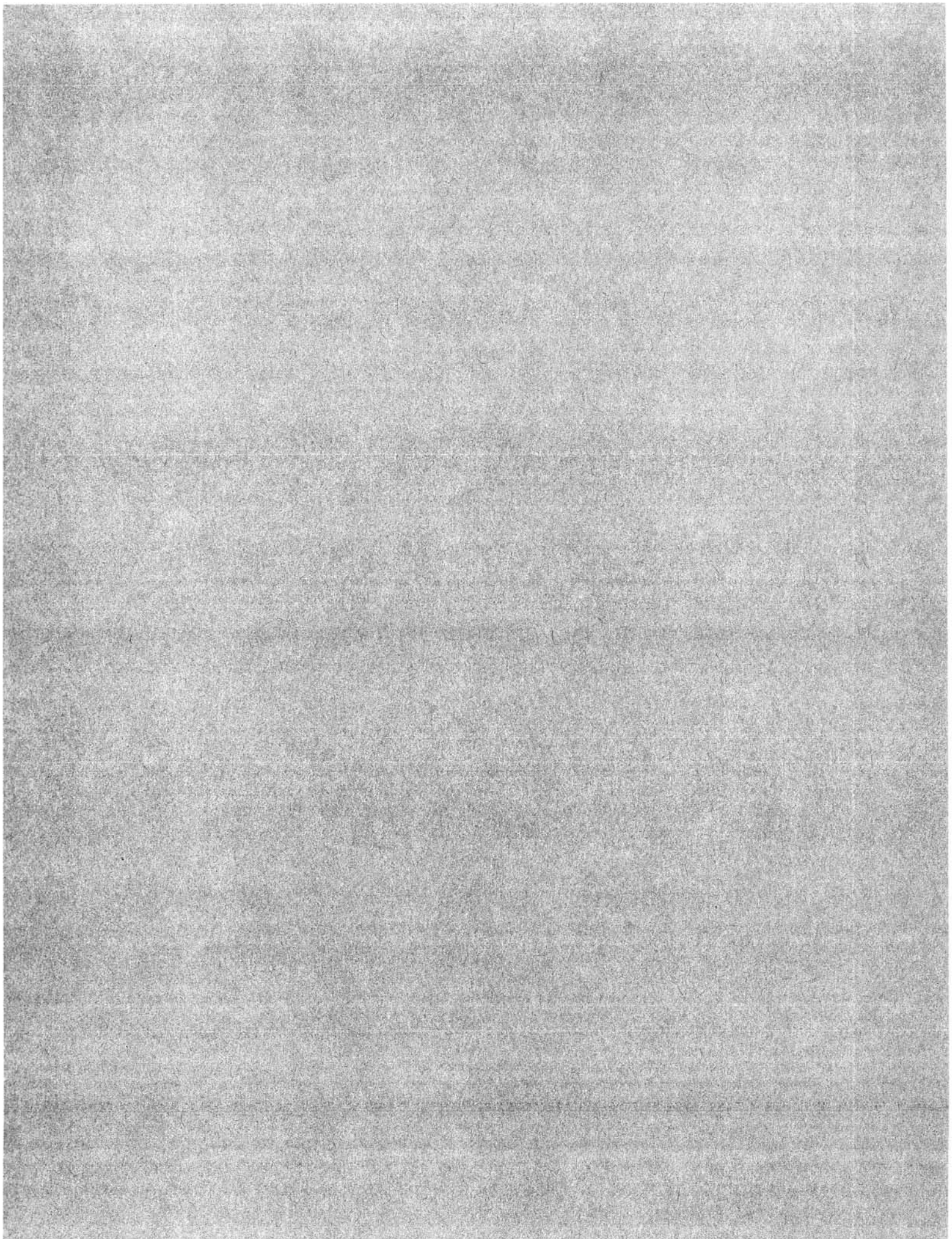
	Number of Exam Questions	School Code	State Average Percent Correct	Nat'l Average Percent Correct	School Code	State Average Percent Correct	Nat'l Average Percent Correct
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AM Subject (1 point each)

CHEMISTRY	11	27	27	39	27	27	39
COMPUTERS	7	29	29	46	29	29	47
DYNAMICS	9	44	44	49	44	44	49
ELECTRICAL CIRCUITS	12	50	50	43	50	50	42
ENGINEERING ECON	5	40	40	55	40	40	54
ETHICS	5	60	60	65	60	60	63
FLUID MECHANICS	8	13	13	41	13	13	41
MAT SCI/STR MATTER	8	50	50	51	50	50	51
MATHEMATICS	24	29	29	46	29	29	46
MECH OF MATERIALS	8	38	38	50	38	38	50
STATICS	12	25	25	39	25	25	39
THERMODYNAMICS	11	27	27	48	27	27	46

PM Subject (2 points each)

AUTOMATIC CONTROLS	3	33	33	25	33	33	26
COMPUTER	3	0	0	33	0	0	32
MECHANICAL DESIGN	6	67	67	47	67	67	45
DYNAMIC SYSTEMS	6	67	67	54	67	67	54
ENERGY CONVERSION	3	0	0	25	0	0	27
FLUID MECHANICS	6	67	67	41	67	67	42
FANS/PUMPS & COMPR	3	33	33	53	33	33	55
HEAT TRANSFER	6	33	33	36	33	33	36
MEASUREMENT & INSTRU	6	33	33	50	33	33	50
MATL BEHAV & PROCESS	3	0	0	38	0	0	40
REFRIGERATION & HVAC	3	33	33	30	33	33	29
STRESS ANALYSIS	6	17	17	27	17	17	27
THERMODYNAMICS	6	17	17	40	17	17	40



NCEES OCTOBER 2003 ADMINISTRATION  
FUNDAMENTALS OF ENGINEERING EXAMINATION

PAGE 1

SUMMARY STATISTICS FOR: KENTUCKY

12/10/03

	TOTAL	RECOMMENDED	
		PASS	FAIL

1 - EAC (Engineering Accredited Curriculum)

NUMBER	128	99	29
MEAN	74.48		
STAND. DEV.	5.65		
RANGE	60-88		

2 - TAC (Technology Accredited Curriculum)

NUMBER	4	4	0
MEAN	76.75		
STAND. DEV.	1.26		
RANGE	75-78		

3 - Other (inclu. No response, multiple response)

NUMBER	7	2	5
MEAN	71.86		
STAND. DEV.	9.14		
RANGE	64-85		

ALL EXAMINEES (INCLUDES THOSE MARKING ABET 1, 2, 3, 4, NONE OF THE ABOVE, DO NOT KNOW, NO CODE OR MORE THAN ONE)

NUMBER	139	105	34
MEAN	74.41		
STAND. DEV.	5.79		
RANGE	60-88		

NOTE: ALL SUMMARY STATISTICS ARE BASED ONLY ON EXAMINEES WITH MATCHED VALID AM AND PM ANSWER SHEETS

0 EXAMINEES WITH AM ANSWER SHEET ONLY  
0 EXAMINEES WITH PM ANSWER SHEET ONLY  
0 EXAMINEES WITH INVALID AM AND/OR PM ANSWER SHEET (FOUR OR FEWER RESPONSES)  
139 EXAMINEES WITH MATCHED, VALID AM AND PM ANSWER SHEETS  
139 TOTAL EXAMINEES TESTED

NCEES OCTOBER 2003 ADMINISTRATION  
 FUNDAMENTALS OF ENGINEERING EXAMINATION

PAGE 2

SUMMARY STATISTICS FOR: TOTAL APPLICANTS

12/10/03

	TOTAL	RECOMMENDED	
		PASS	FAIL
1 - EAC (Engineering Accredited Curriculum)			
NUMBER	12234	8338	3896
MEAN	73.07		
STAND. DEV.	6.60		
RANGE	53- 96		
2 - TAC (Technology Accredited Curriculum)			
NUMBER	903	297	606
MEAN	67.67		
STAND. DEV.	5.38		
RANGE	54- 89		
3 - Other (inclu. No response, multiple response)			
NUMBER	4030	1917	2113
MEAN	69.95		
STAND. DEV.	7.04		
RANGE	52- 93		
4 - Canada			
NUMBER	150	136	14
MEAN	79.43		
STAND. DEV.	6.88		
RANGE	56- 93		
ALL EXAMINEES (INCLUDES THOSE MARKING ABET 1, 2, 3, 4, NONE OF THE ABOVE, DO NOT KNOW, NO CODE OR MORE THAN ONE)			
NUMBER	17317	10688	6629
MEAN	72.12		
STAND. DEV.	6.89		
RANGE	52- 96		

NOTE: ALL SUMMARY STATISTICS ARE BASED ONLY ON EXAMINEES WITH MATCHED VALID AM AND PM ANSWER SHEETS

13 EXAMINEES WITH AM ANSWER SHEET ONLY  
 0 EXAMINEES WITH PM ANSWER SHEET ONLY  
 20 EXAMINEES WITH INVALID AM AND/OR PM ANSWER SHEET (FOUR OR FEWER RESPONSES)  
 17317 EXAMINEES WITH MATCHED, VALID AM AND PM ANSWER SHEETS  
 17337 TOTAL EXAMINEES TESTED