

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

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

	This Institution	State	Nat'l	Comparator Groupings		
No. Examinees Taking	8	8	764	433	104	164
No. Examinees Passing	8	8	580	355	62	114
% Examinees Passing	100%	100%	76%	82%	60%	70%

	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	60	55	2.1	57	49	53
COMPUTERS	7	63	55	1.6	58	44	51
DYNAMICS	9	72	62	1.7	65	58	59
ELECTRICAL CIRCUITS	12	36	43	2.3	43	38	42
ENGINEERING ECON	5	88	62	1.3	65	55	59
ETHICS	5	65	61	1.2	61	62	58
FLUID MECHANICS	8	58	55	1.8	57	52	51
MAT SCI/STR MATTER	8	63	58	1.7	61	50	57
MATHEMATICS	24	74	67	3.6	70	62	64
MECH OF MATERIALS	8	75	62	1.6	64	57	62
STATICS	12	64	56	2.2	58	51	54
THERMODYNAMICS	11	51	44	2.2	46	38	43

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	44	35	1.0	35	34	35
CHEMISTRY	5	65	51	1.2	53	46	49
COMPUTERS	3	50	50	0.9	55	43	42
DYNAMICS	5	58	43	1.4	47	39	39
ENGINRING ECONOMICS	3	71	40	0.7	41	34	41
ETHICS	3	92	75	0.8	77	66	73
FLUID MECHANICS	4	69	56	1.1	59	52	54
MATHEMATICS	12	79	65	2.0	68	60	62
MAT SCI/STR MATTER	3	71	63	0.8	64	59	65
MECH OF MATERIALS	4	41	42	1.1	44	36	42
STATICS	6	79	70	1.5	71	65	68
THERMODYNAMICS	6	40	39	1.1	39	38	39

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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	State	Nat'l	Comparator Groupings		
	Institution					
No. Examinees Taking	16	21	1288	751	237	238
No. Examinees Passing	13	18	1093	654	185	197
% Examinees Passing	81%	86%	85%	87%	78%	83%

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

AM Subject (1 point each)

CHEMISTRY	11	57	57	2.0	59	52	54
COMPUTERS	7	62	61	1.6	63	56	58
DYNAMICS	9	69	68	1.6	69	65	66
ELECTRICAL CIRCUITS	12	51	53	2.2	53	50	53
ENGINEERING ECON	5	54	64	1.3	65	63	59
ETHICS	5	63	61	1.2	62	59	57
FLUID MECHANICS	8	60	58	1.7	59	54	57
MAT SCI/STR MATTER	8	66	67	1.6	68	63	66
MATHEMATICS	24	75	72	3.3	72	71	70
MECH OF MATERIALS	8	66	62	1.6	63	62	61
STATICS	12	54	53	2.3	54	53	52
THERMODYNAMICS	11	53	55	2.1	56	53	55

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	51	40	1.2	39	40	42
CHEMISTRY	5	45	50	1.2	52	44	46
COMPUTERS	3	54	54	0.9	56	51	50
DYNAMICS	5	48	49	1.5	50	45	46
ENGINRING ECONOMICS	3	40	42	0.8	44	40	40
ETHICS	3	88	78	0.7	80	76	75
FLUID MECHANICS	4	58	63	1.1	64	59	61
MATHEMATICS	12	67	68	1.9	69	66	67
MAT SCI/STR MATTER	3	65	71	0.8	72	71	69
MECH OF MATERIALS	4	58	52	1.1	53	50	50
STATICS	6	73	64	1.5	65	64	62
THERMODYNAMICS	6	40	45	1.2	45	44	44

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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: Louisville, University of
Board Code: 71	School Code: 7102
Major: CIVIL	PM Examination Selected: CIVIL

	This	State	Nat'l	Comparator Groupings		
	Institution					
No. Examinees Taking	3	23	1684	1170	281	191
No. Examinees Passing	2	20	1364	985	220	136
% Examinees Passing	67%	87%	81%	84%	78%	71%

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

AM Subject (1 point each)

CHEMISTRY	11	52	55	2.0	56	54	50
COMPUTERS	7	57	56	1.5	58	52	51
DYNAMICS	9	41	60	1.7	61	60	56
ELECTRICAL CIRCUITS	12	36	37	2.1	37	40	38
ENGINEERING ECON	5	73	63	1.3	64	64	60
ETHICS	5	60	63	1.1	63	64	62
FLUID MECHANICS	8	38	55	1.8	56	57	49
MAT SCI/STR MATTER	8	38	55	1.7	56	56	53
MATHEMATICS	24	63	64	3.4	66	63	61
MECH OF MATERIALS	8	58	62	1.6	63	62	59
STATICS	12	50	55	2.1	56	54	54
THERMODYNAMICS	11	27	44	2.0	45	43	38

PM Subject (2 points each)

CONSTRUCTION MGMNT	3	33	48	0.9	50	48	42
COMP & NUM METHODS	6	39	49	1.4	51	45	45
ENVIRONMENTAL ENGR	6	39	59	1.3	60	59	57
HYDRAUL/HYDROLOG SYS	6	56	56	1.2	56	56	55
LEGAL & PROF ASPECTS	3	44	44	0.9	44	46	41
STRUCTURAL ANALYSIS	6	72	55	1.3	57	55	51
STRUCTURAL DESIGN	6	39	43	1.1	43	44	40
SOIL MECH & FOUNDAT	6	56	60	1.3	61	57	57
SURVEYING	6	39	62	1.4	62	62	59
TRANS FACILITIES	6	61	57	1.3	58	55	55
WATER PUR & TREAT	6	56	60	1.4	61	62	55

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Report 5A
 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
 Examinees Currently Enrolled in School

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	18	4	4	75
No. Examinees Passing	4	4	12	4	4	43
% Examinees Passing	100%	100%	67%	100%	100%	57%

	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	55	44	55	55	46
COMPUTERS	7	68	68	52	68	68	47
DYNAMICS	9	58	58	52	58	58	56
ELECTRICAL CIRCUITS	12	48	48	36	48	48	44
ENGINEERING ECON	5	60	60	61	60	60	56
ETHICS	5	65	65	63	65	65	63
FLUID MECHANICS	8	59	59	50	59	59	49
MAT SCI/STR MATTER	8	53	53	42	53	53	52
MATHEMATICS	24	80	80	63	80	80	56
MECH OF MATERIALS	8	78	78	56	78	78	55
STATICS	12	56	56	49	56	56	43
THERMODYNAMICS	11	50	50	43	50	50	44

PM Subject (2 points each)

ELECTRICAL CIRCUITS	6	25	25	31	25	25	31
CHEMISTRY	5	50	50	46	50	50	41
COMPUTERS	3	50	50	44	50	50	39
DYNAMICS	5	60	60	36	60	60	34
ENGINRING ECONOMICS	3	58	58	52	58	58	37
ETHICS	3	58	58	63	58	58	71
FLUID MECHANICS	4	81	81	53	81	81	50
MATHEMATICS	12	71	71	57	71	71	58
MAT SCI/STR MATTER	3	42	42	46	42	42	61
MECH OF MATERIALS	4	56	56	36	56	56	41
STATICS	6	92	92	64	92	92	57
THERMODYNAMICS	6	58	58	41	58	58	37