

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

April 2006 Administration  
Report 5 - Subject Matter Report by Major Based on Particular PM Examination Selected

ABET-Accredited Engineering Program Examinees  
Currently Enrolled in School

Board: OKLAHOMA  
Board Code: 55  
Major: ELECTRICAL

Name of Institution: Oklahoma State University (Eng)  
School Code: 5503  
PM Examination Selected: ELECTRICAL

	This Institution	State	Nat'l	Comparator Groupings		
				468	294	247
No. Examinees Taking	6		1193	468	294	247
No. Examinees Passing	4		840	357	193	146
% Examinees Passing	67%		70%	76%	66%	59%

Number of Exam Questions	This Institution Average Percent Correct	Nat'l Average Percent Correct	Difference Between OSU & National	Nat'l Standard Deviation	Carnegie 1	Carnegie 2	Carnegie 3
					Rsrch/Doc Extensive Average Percent Correct	Research Intensive Average Percent Correct	Masters I and II Combined Average Percent Correct

AM Subject

MATHEMATICS	19	70	71	-1	3.1	73	67	69
ENG. PROBABILITY AND STATISTICS	8	56	65	-9	1.7	68	63	60
CHEMISTRY	11	64	65	-1	2.2	67	61	61
COMPUTERS	8	71	77	-6	1.6	79	75	71
ETHICS AND BUSINESS PRACTICES	8	77	77	0	1.2	77	76	76
ENGINEERING ECONOMICS	10	65	65	0	2.4	66	64	61
ENG MECHANICS (STATICS & DYNAMICS)	13	54	54	0	2.6	56	51	52
STRENGTH OF MATERIALS	8	60	42	18	1.7	43	40	40
MATERIAL PROPERTIES	8	31	42	-11	1.5	42	41	39
FLUID MECHANICS	8	48	44	4	1.8	45	42	41
ELECTRICITY AND MAGNETISM	11	82	77	5	2.1	79	74	76
THERMODYNAMICS	8	46	47	-1	1.7	48	46	46

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PM Subject							
CIRCUITS	10	60	52	8	2.1	53	48
POWER	8	50	49	1	1.4	49	48
ELECTROMAGNETICS	4	62	46	16	1	49	44
CONTROL SYSTEMS	6	42	40	2	1.3	39	40
COMMUNICATIONS	5	47	48	-1	1.3	49	47
SIGNAL PROCESSING	5	57	58	-1	1.2	61	56
ELECTRONICS	9	74	64	10	1.8	66	60
DIGITAL SYSTEMS	7	76	64	12	1.6	67	61
COMPUTER SYSTEMS	6	64	53	11	1.5	54	53

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