

# MONTANA STATE UNIVERSITY

## Fundamentals of Engineering Examination Results Summary

Exam Date: October 2002  
 NCEES Report 5 (currently enrolled)  
 (January 14, 2003)

### Discipline-Specific Examinations

<u>PROGRAM</u>	<u>PASSED</u>	<u>FAILED</u>	<u>PASS RATE</u>	<u>NAT'L PASS RATE BY DISCIPLINE (Rpt. 5)</u>
Chemical Eng	5	0	100	86
Civil Eng	24	0	100	81
Computer (EE)	2	0	100	86
Electrical Eng	8	2	80	79
Ind&Mgmt Eng	3	0	100	68
Mechanical Eng	6	0	100	87
<b>SUB-TOTAL</b>	<b>48</b>	<b>2</b>	<b>96</b>	<b>81 (listed disciplines only)</b>

### General Topic Examinations

<u>PROGRAM</u>	<u>PASSED</u>	<u>FAILED</u>	<u>PASS RATE</u>	<u>NAT'L PASS RATE BY DISCIPLINE (Rpt. 5)</u>
Chemical Eng	---	---	---	---
Civil Eng	6	2	67	67
Computer	1	0	100	42
Electrical Eng	3	0	100	62
Ind&Mgmt Eng	---	---	---	---
Mechanical Eng	30	2	93	84
<b>SUB-TOTAL</b>	<b>40</b>	<b>4</b>	<b>91</b>	<b>76 (listed disciplines only)</b>

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	<u>PASSED</u>	<u>FAILED</u>	<u>PASS RATE</u>
<b>MSU TOTALS</b>	<b>88</b>	<b>6</b>	<b>94</b>
<b>NAT'L TOTALS</b>	<b>4,497</b>	<b>1,208</b>	<b>79</b>

National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 OCTOBER 2002 Administration

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

ABET-Accredited Engineering Program Examinees  
 Currently Enrolled in School

Board: MONTANA  
 Board Code: 31  
 Major: CHEMICAL

Name of Institution: Montana State University  
 Institution Code: 01  
 PM Examination Selected: CHEMICAL

	This Institution	State	Nat'l	Comparator Groupings		
No. Examinees Taking	5	5	216	138	37	13
No. Examinees Passing	5	5	185	121	31	10
% Examinees Passing	100%	100%	86%	88%	84%	77%

	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	87	83	1.5	83	84	79
COMPUTERS	7	66	61	1.4	64	54	62
DYNAMICS	9	64	66	1.8	68	59	57
ELECTRICAL CIRCUITS	12	55	51	2.3	53	51	49
ENGINEERING ECON	5	68	73	1.1	74	70	68
ETHICS	5	60	68	1.1	71	61	68
FLUID MECHANICS	8	60	55	1.7	56	50	49
MAT SCI/STR MATTER	8	75	70	1.4	73	64	59
MATHEMATICS	24	74	65	4.0	68	62	56
MECH OF MATERIALS	8	50	47	1.3	47	44	49
STATICS	12	63	52	2.3	53	51	47
THERMODYNAMICS	11	60	66	2.2	68	62	59

PM Subject (2 points each)

COMP & NUM METHODS	3	47	53	0.9	60	45	41
CHEM REACTION ENGR	6	67	53	1.6	56	46	44
CHEM THERMODYNAMICS	6	50	43	1.3	45	37	41
PROCESS EQUIP DESIGN	3	53	44	0.9	45	41	41
HEAT TRANSFER	6	40	56	1.4	59	44	45
MAT/ENERGY BALANCES	9	69	58	2.0	60	55	53
MASS TRANSFER	6	83	61	1.3	64	56	50
PROCESS CONTROL	3	60	44	0.9	47	34	36
PROC DSGN/ECON EVAL	6	77	67	1.4	68	62	55
POLLUTION PREVENTION	3	93	72	0.8	73	70	72
PROCESS SAFETY	3	80	69	0.8	71	71	56
TRANSPORT PHENOMENA	6	23	51	1.6	54	41	36