

# MONTANA STATE UNIVERSITY

## Fundamentals of Engineering Examination Results Summary

Exam Date: April 2002  
 NCEES Report 5 (currently enrolled)  
 (July 8, 2002)

### 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	27	1	96	89
Civil Eng	33	1	97	79
Computer (EE)	5	1	83	81
Electrical Eng	22	2	92	80
Ind&Mgmt Eng	6	1	86	68
Mechanical Eng	7	0	100	90
<b>SUB-TOTAL</b>	<b>100</b>	<b>6</b>	<b>95</b>	<b>83 (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	1	0	100	78
Civil Eng	---	---	---	---
Computer	---	---	---	---
Electrical Eng	1	0	100	71
Ind&Mgmt Eng	---	---	---	---
Mechanical Eng	28	1	97	88
<b>SUB-TOTAL</b>	<b>30</b>	<b>1</b>	<b>97</b>	<b>86 (listed disciplines only)</b>

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	<u>PASSED</u>	<u>FAILED</u>	<u>PASS RATE</u>
<b>MSU TOTALS</b>	<b>130</b>	<b>7</b>	<b>95</b>
<b>NAT'L TOTALS</b>	<b>7,380</b>	<b>1,463</b>	<b>84</b>

National Council of Examiners for Engineering and Surveying (NCEES)  
 Fundamentals of Engineering Examination  
 APRIL 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	28	30	778	480	152	49
No. Examinees Passing	27	29	696	436	127	41
% Examinees Passing	96%	97%	89%	91%	84%	84%

	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	84	81	1.5	82	80	82
COMPUTERS	7	61	72	1.2	73	70	71
DYNAMICS	9	52	56	1.6	57	52	54
ELECTRICAL CIRCUITS	12	43	46	2.3	48	41	47
ENGINEERING ECON	5	82	69	1.3	69	71	66
ETHICS	5	69	68	0.9	69	65	63
FLUID MECHANICS	8	62	64	1.6	64	60	68
MAT SCI/STR MATTER	8	69	65	1.7	66	62	63
MATHEMATICS	24	63	66	3.6	68	63	68
MECH OF MATERIALS	8	37	38	1.4	39	34	39
STATICS	12	49	52	2.2	54	49	54
THERMODYNAMICS	11	59	66	2.0	67	62	65

PM Subject (2 points each)

COMP & NUM METHODS	3	26	28	0.8	28	30	24
CHEM REACTION ENGR	6	63	63	1.3	64	57	64
CHEM THERMODYNAMICS	6	58	57	1.3	58	55	57
PROCESS EQUIP DESIGN	3	42	43	0.9	45	40	32
HEAT TRANSFER	6	41	49	1.4	49	47	51
MAT/ENERGY BALANCES	9	48	46	1.8	47	44	45
MASS TRANSFER	6	38	44	1.4	46	37	41
PROCESS CONTROL	3	38	52	0.8	53	45	50
PROC DSGN/ECON EVAL	6	62	60	1.4	61	57	60
POLLUTION PREVENTION	3	39	45	0.9	46	41	44
PROCESS SAFETY	3	54	57	0.9	58	54	56
TRANSPORT PHENOMENA	6	77	73	1.3	74	70	71