

Montana State University – Bozeman
Chemical Engineering Department
College of Engineering

ALUMNI SURVEY

1. Your Name: _____
2. Mailing Address: _____

3. Phone: _____ Fax: _____
4. Email: _____
5. Company Name or Employer: _____
6. Type of Firm: (Check all that apply.)

<u>6</u> Manufacturing	<u>2</u> Medical	___ Information Technology
<u>2</u> Utility	<u>1</u> Oil or Chemical	___ Communication
<u>1</u> Consulting	___ Service	___ Transportation
<u>1</u> Construction	<u>2</u> Education	<u>4</u> Other: _____
7. Your job title or position: _____
8. Type of work: (Check all that apply.)

<u>2</u> Design	<u>7</u> Research	___ Training
<u>5</u> Manufacturing/Production	<u>3</u> Management	<u>4</u> Technical Representative
___ Programming	<u>2</u> Maintenance	<u>3</u> Safety
___ Owner/Operator	<u>1</u> Sales/Marketing	<u>2</u> Other: _____
9. Year awarded B.S. degree: _____
10. Please rate the Chemical Engineering Program's effectiveness in preparing you for your job.

<u>4</u> Excellent	<u>6</u> Good	<u>2</u> Average	<u>1</u> Fair	<u>0</u> Poor
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11. How do you rate your overall college education relative to that of your colleagues?

<u>4</u> Superior to	<u>6</u> Somewhat better than	<u>3</u> Same as	<u>0</u> Worse than
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12. How do you view your professional mobility? That is, did MSU prepare you to move relatively easily between companies or departments that hire CHE graduates?

<u>5</u> Excellent	<u>6</u> Good	<u>2</u> Average	<u>0</u> Fair	<u>0</u> Poor
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13. A second part of the ABET assessment process is input from your employer – who is asked to comment on their view of MSU's chemical engineering program, not your individual work performance. If you would like us to contact your employer or supervisor directly, please provide the following contact information:
Name: _____ Title: _____
Phone: _____ Email: _____

14. Please rate your strengths and abilities in the following areas, compared with peers from other universities.
(If you do not use particular skills in your current position, simply select "Not Applied")

		Strong	Average	Poor	Not Applied
A.	Rank strength of Basic Science and Engineering competence in:	---	---	---	---
	•Mathematics	9	3	0	1
	•Basic Chemistry	10	3	0	0
	•Advanced Chemistry (e.g., organic, biochem., physical, env.)	5	5	2	1
	•Physics	2	7	0	4
	•Computing	6	5	1	1
	•Material Science	2	7	1	3
B.	Rate your ability to perform:	---	---	---	---
	•Material Balances	8	3	0	2
	•Energy Balances	4	5	0	4
	•Thermodynamic Analyses	3	7	0	3
	•Heat, Mass, and Momentum Transfer Analyses	3	7	0	3
	•Reaction/Kinetic Analyses	3	4	2	4
	•Experimental Program Design and Analysis	5	5	0	3
C.	Rank your abilities in designing & implementing:	---	---	---	---
	•Computer Process Control Systems	1	3	2	7
	•Process or Production Systems	2	5	1	5
	•Continuous and Stage-wise Separation Systems	1	4	1	7
	•Quality Control	3	5	1	4
	•Engineering Statistics	5	4	0	4
D.	Rate your ability to handle various multidisciplinary activities in:	---	---	---	---
	•Process Design	4	6	0	3
	•Project Management	3	7	1	2
	•Production Management	2	6	0	5
E.	Rate your ability to solve engineering problems:	3	8	0	1
F.	Regarding ethical/professional issues for engineering practice:	---	---	---	---
	•How is your competence in handling ethical issues?	10	3	0	0
	•Rate sensitivity to social issues and people problems at work.	8	4	1	0
G.	Rate your ability to communicate effectively by:	---	---	---	---
	•Interaction with other employees and management	7	6	0	0
	•Presentation of projects	6	6	0	1
	•Requests for and dissemination of information	5	8	0	0
	•Training of other employees	4	7	0	2
H.	Rank your sensitivity to global/social responsibilities:	5	8	0	0
I.	Rank dedication to obtaining continuous life-long learning by:	---	---	---	---
	•Attending professional seminars, workshops, or training programs	9	4	0	0
	•Pursuing an advanced degree or professional certification	5	6	1	1
	•Completing professionally challenging self-study programs	0	8	3	2
J.	Rate the knowledge gained on issues such as pollution, safety, etc:	7	5	0	0
K.	Rate your ability to:	---	---	---	---
	•Prepare instructional materials for process or units	5	6	0	2
	•Analyze/troubleshoot processes	7	4	0	2
	•Manage people and resources	5	6	0	2

Thank you for participating in this survey. Please return your completed survey form in the enclosed envelope to: Dr. Ron Larsen, Head, Chemical Engineering Department, 306 Cobleigh Hall, Montana State University, Bozeman, MT 59717-3920.