

Evaluation of Mechanical Engineering Curriculum and Teaching Alumni Survey

Personal Information

Your name (Optional) _____

Graduation Date (BS Degree): _____

Gender (Optional): Male Female

Racial/Ethnic Group: (Optional) African-American Native-American Caucasian
 Asian-American Hispanic-American Other

Undergraduate GPA: _____

As a student did you have professional employment? Yes No
 co-op intern practicum other _____

Was this experience valuable? Yes No

Employment: In what field/major is your current job?

- | | |
|--|--------------------------------|
| 1) Aerospace | 6) Information Technology |
| 2) Automotive | 7) Electronics/Instrumentation |
| 3) Energy Management/Public Utility | 8) Consumer Products |
| 4) Heating/Ventilating/Air Conditioning | 9) Consulting |
| 5) Heavy Equipment (highway, construction) | 10) Other _____ |

	High Related	Moderate Related	Not at All Related
Your current job and mechanical engineering are:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Your first, full-time job and mechanical engineering were: (Please respond even if your current job is your first job.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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What fraction of your employment time is spent on design of products for, or that are sold on, the international market? _____

What fraction of your employment time is spent on technical matters related to international products, marketing, or certification? _____

What fraction of your employment time is spent interacting with engineers or clients based in countries other than the United States? _____

Post Graduate Education:

Have you earned continuing education credit? Yes No

Have you taken or do you intend to take graduate courses? Yes No

Have you earned an advanced degree? Yes No In progress

If so, what discipline & what degree? _____

General Assessment of the Mechanical Engineering Program Objectives - Alumni

The following questions relate to the Department's objectives. Please indicate your evaluation of the following:

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
A. Through the Mechanical Engineering program at Bradley University:					
1. I was prepared to enter Professional practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. I was prepared to pursue advanced studies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. I was prepared to succeed in local, regional, national, and international practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. I was prepared for life-long learning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Overall, I am satisfied with my educational investment in Mechanical Engineering at Bradley University	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. I was prepared to pursue opportunities in mechanical engineering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. I was prepared to meet global technological and societal changing needs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. I was prepared to interact globally with engineering technology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Through the Mechanical Engineering program at Bradley University:					
1. I learned the fundamental tools of mechanical engineering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. I was trained in mathematics and computational methods of analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. I acquired engineering problem solving skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. I developed the skills pertinent to the design process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. I developed the ability to formulate problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. I developed the ability to analyze and synthesize information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. I have had the opportunity to think creatively	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. I developed the ability to make informed technical decisions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. I developed the ability to effectively communicate orally	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. I developed the ability to effectively communicate in writing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. I developed the ability to work on multidisciplinary teams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. I have had the opportunity to develop leadership skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. I learned to use current experimental and data analysis techniques for engineering applications	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. I learned the function of engineering in solving societal problems and their professional and ethical responsibilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Overall I was well prepared to:					
1. Be an engineer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Obtain your first job after graduation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Develop professionally as an engineer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Transition into your first job	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Contribute to society as a professional	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

General Comments (OPTIONAL)

Please feel free to make any general comment that might aid us in improving our program.
 What changes in the Mechanical Engineering curriculum would you like to see? **What skills will an engineer need in your discipline by the year 2010?** How can we make our program better?

Assessment of Your Comprehensive Education at Bradley University - Alumni

Indicate your evaluation of the following aspects of your education at Bradley. (OPTIONAL)

	Poor		Good		Excellent
A. The quality of instruction provided in Mechanical Engineering:					
1. Faculty	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Teaching Assistants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. The quality of instruction provided by engineering faculty <u>outside Mechanical Engineering</u> :					
1. Civil Engineering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Electrical Engineering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Industrial & Manufacturing Engineering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. The quality of instruction provided by faculty <u>in non-engineering courses</u> :					
1. Chemistry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Humanities/Social Sciences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Mathematics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Physics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. The quality of advising with respect to:					
1. Academic planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Career planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Graduate education	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Were the physical quality of the following facilities:					
1. Computer Labs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Classrooms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Science laboratories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Engineering laboratories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Library	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Evaluation of Mechanical Engineering Curriculum – Alumni
(OPTIONAL)**

What were the two most useful and two least useful required ME courses?

Most Useful

Least Useful

1 _____
course/instructor

1 _____
course/instructor

2 _____
course/instructor

2 _____
course/instructor

Comments: _____

**Mechanical Engineering Technical Electives
(OPTIONAL)**

What were the two most useful Technical-Elective courses?

Most Useful

1 _____
course/instructor

2 _____
course/instructor

Comments: _____

Evaluation of Faculty (OPTIONAL)

Which Mechanical Engineering professors were the most effective teachers?

Professor	Why?
1. _____	_____

2. _____	_____

Which Mechanical Engineering professor had the most significant influence on your career?

Professor	Reason
1. _____	_____

Please comment on the overall quality of teaching in our Mechanical Engineering courses. Feel free to make both general and specific comments. Mention specific instructors and/or courses, where appropriate, including both good and bad experiences.
