





## General Assessment of the Mechanical Engineering Program

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

Through the Mechanical Engineering program at Bradley University,

- |   |                          |                          |                          |                          |                          |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1. I received a foundation for a successful career  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. I received a foundation for life-long learning   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. I learned the fundamental tools of mechanical engineering  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. 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"/> |
| 5. I acquired engineering problem solving skills  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. I developed the skills pertinent to the design process   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. I developed the ability to formulate problems  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. I developed the ability to analyze and synthesize information  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. I have had the opportunity to think creatively   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. I developed the ability to make informed technical decisions  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. I developed the ability to communicate effectively orally   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. I developed the ability to communicate effectively in writing   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. I developed the ability to work on multidisciplinary teams  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 14. I have had the opportunity to develop leadership skills   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 15. I learned to use current experimental and data analysis techniques<br>for engineering applications                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 16. I learned the function of engineering in solving societal problems<br>and their professional and ethical responsibilities | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

### General Comments

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?

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Indicate your evaluation of the following aspects of your education at Bradley.

- A. The quality of instruction provided in Mechanical Engineering:
- |                        |                          |                          |                          |
|------------------------|--------------------------|--------------------------|--------------------------|
| 1. Faculty             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Teaching Assistants | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
- B. The quality of instruction provided by engineering faculty outside Mechanical Engineering:
- |   |                          |                          |                          |
|---|--------------------------|--------------------------|--------------------------|
| 1. Civil Engineering                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Electrical Engineering                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Industrial and Manufacturing Engineering | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
- C. The quality of instruction provided by faculty in non-engineering courses:
- |                               |                          |                          |                          |
|-------------------------------|--------------------------|--------------------------|--------------------------|
| 1. Chemistry                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Humanities/Social Sciences | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Mathematics                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Physics                    | <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"/> |
| 2. Career planning    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Graduate education | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
- E. The physical quality of the following facilities:
- |                             |                          |                          |                          |
|-----------------------------|--------------------------|--------------------------|--------------------------|
| 1. Computer Labs            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Classrooms               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Science laboratories     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Engineering laboratories | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Library                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
- F. How would you rate your overall preparation to:
- |  |                          |                          |                          |
|--|--------------------------|--------------------------|--------------------------|
| 1. Be an engineer                          | <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"/> |
| 3. Transition into your first job          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Develop professionally as an engineer   | <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"/> |

## Evaluation of Mechanical Engineering Curriculum

Comments on the required courses that you have taken. Mark the appropriate boxes. Note that this evaluation is of the courses and not the instructors.

Course	<u>Value</u>			<u>Content</u>			<u>Lab</u>			<u>If course was optional would you</u>		
	1	3	5	1	3	5	1	3	5	1	3	5
ME 101	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ME 102	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ME 103	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ME 301	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ME 302	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ME 303	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ME 304	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ME 308	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ME 341	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ME 342	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ME 344	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ME 351	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ME 354	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ME 410/411	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ME 415	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ME 441	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CE 301	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EE327	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EE328	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IME301	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

**Most Useful**

1 \_\_\_\_\_  
course/instructor

2 \_\_\_\_\_  
course/instructor

**Least Useful**

1 \_\_\_\_\_  
course/instructor

2 \_\_\_\_\_  
course/instructor

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Mechanical Engineering Technical Electives

Please comment on the technical elective courses that you have taken. Mark the appropriate boxes. Note that this evaluation is of the courses and not the instructors.

<b>Course</b>	<u>Value</u>			<u>Content</u>			<u>Your Advice</u>		
	1	3	5	1	3	5	1	3	5
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

What were the two most useful and two least useful Technical-Elective courses?

<b><u>Most Useful</u></b>	<b><u>Least Useful</u></b>
1 _____ course/instructor	1 _____ course/instructor
2 _____ course/instructor	2 _____ course/instructor

### Evaluation of Support Staff (OPTIONAL)

The support staff in Mechanical Engineering are:

- |  |                          |                          |                          |                          |                          |
|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1. Knowledgeable in their specific areas | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Available to help students            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Interested in helping the students    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Willing to answer questions           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Please feel free to make additional comments regarding the support staff both good and bad.

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**Evaluation of Teaching  
(OPTIONAL)**

Who were the two best mechanical engineering professors you had? What made him good?

Professor

Good Characteristics

1. \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Evaluation of Advising  
(OPTIONAL)**

Please comment on the quality of advising in mechanical engineering and how it could be improved. Specific comments on the academic and faculty advisors are welcome.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Evaluation of Non-Mechanical Engineering Courses  
(OPTIONAL)**

Which were the two most useful and the two least useful NON-ME technical courses you took including math, chemistry, physics, CS, EE, IME materials science, etc.?

**Most Useful**

**Least Useful**

1 \_\_\_\_\_

1 \_\_\_\_\_

2 \_\_\_\_\_

2 \_\_\_\_\_

Please comment on the non-ME courses you took. Were there topics that should have been included that were not? Please be as specific as possible.

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The purpose of the General Education curriculum is to ensure that each student is given the opportunity to become acquainted with the basic areas of academic study - English and communication skills, Qualitative and logic skills, social diversity, natural sciences, social sciences, and arts and humanities. Please comment on the structure of the Gen Ed program. Do you think it contains enough flexibility? Do you have any recommendations? Please be as specific as possible.

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