Biological Engineering
Honors Scholar in Engineering
Undergraduate Research Program
Summer 2017

Highlights and Deadlines:
• Approved structured abstract required to enroll in undergraduate research for credit
• Application for stipend – Friday, June 16
• Abstract for the Undergraduate Research Forum – Friday, July 14
• Undergraduate Research Forum – Thursday, July 27
• Undergraduate Thesis for Summer 2017 graduates – Monday, July 31

http://engineering.missouri.edu/current-students/undergraduate-research/

Purpose:
The Honors Scholar in Engineering program is designed to enhance undergraduate student involvement in research.

Benefits:
A. Expose students to research early in their careers
B. Give first-hand experiences with research faculty and graduate students
C. Allow students to obtain graduate-level credit prior to graduation with a BS degree

General Requirements:
• Student must have a 3.0 overall GPA for acceptance into the program (transfer students must have an overall 3.0 or higher GPA average for any transfer credit and MU credit).
• Student must maintain and graduate with a 3.0 or higher overall GPA to graduate with Honors and dual-enroll for graduate courses.
• Student must satisfy all departmental, college, and ABET requirements.
• Students are encouraged to take the Fundamentals of Engineering (FE) exam.

Process for “Honors Scholar in Engineering” designation:
1. Find a faculty mentor to mentor your research (same research interest as you). Ask if the faculty member is willing and able to work with you. It is suggested this be done one year before graduation, and it must be done no later than next-to-last semester before graduation.

   Steps 2-5 are to be done early in the same semester.

2. Inform the Biological Engineering Honor Committee representative, Dr. Steve Borgelt, 254 Agricultural Engineering Bldg, e-mail BorgeltS@missouri.edu. He will submit tentative graduation name list and include the Honor Scholar designation.

3. Submit an Undergraduate Research Application to Dr. Steve Borgelt, 254 Agricultural Engineering Bldg. This is for a $1,000 stipend per semester. Dr. Borgelt can sign as the Department Chair. Due date: Friday, June 16.

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4. Enroll in **BE 4995 Honors Research** course for at least three (3) credit hours, with a total maximum of six (6) credit hours with your faculty mentor (there are some exceptions to this rule).

   A consent number is needed to enroll in the course.
   - This requires a structured abstract describing:
     a) the course content,
     b) the engineering content, and
     c) the number of credit hours to be earned.
   - The abstract is reviewed and approved by two additional faculty members
   - The approved abstract given to Dr. Borgelt for the student file
   The same structured abstract can be used for a total maximum of six (6) credit hours.

5. To dual enroll for graduate/undergraduate credit, submit **Dual Enrollment** form to the Graduate School, 210 Jesse Hall. Upon approval, enroll in the graduate course(s).

   [http://gradschool.missouri.edu/forms-downloads/repository/dual-enrollment.pdf](http://gradschool.missouri.edu/forms-downloads/repository/dual-enrollment.pdf)

6. Submit a **final research report, as an Honors Thesis** in the semester of graduation. Another faculty member must review the report as the second reader. Work with your faculty mentor to determine a second review. Allow a week for the second review.

7. Schedule a **poster or oral presentation** of your final research report usually at the MU Spring Undergraduate Research and Creative Achievements Forum. Currently, there are spring and summer forums, but NO fall forum.
   Summer Forum: Thursday, July 27  Abstract due: Friday, July 16

   [https://undergradresearch.missouri.edu/forums-and-conferences/](https://undergradresearch.missouri.edu/forums-and-conferences/)
   [https://undergradresearch.missouri.edu/forums-and-conferences/forum/summer-forum/](https://undergradresearch.missouri.edu/forums-and-conferences/forum/summer-forum/)

8. Submit a **BE Honors Scholar Completion Form** to Departmental Honors Director, Dr. Borgelt before graduation. This indicates that you have completed all the program requirements.

   revised: May 31, 2017