

**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/admissions/eligibility-process/dual-enrollment-senior-undergrads.php>

<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/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