



Bioengineering Education Research REU



Application Deadline: March 1, 2010

Program Dates: June 14 - August 13, 2010

The Bioengineering Education Research REU program is a rich summer experience for undergraduates from diverse backgrounds that will increase student knowledge of both biomedical engineering and educational theory and pedagogical design. The Bioengineering Education Research Site REU is a brand-new program but is directly descended from the successful REU associated with the VaNTH ERC.

In the BER REU, each student will work with a faculty mentor to develop, refine, assess or implement curricular materials related to bioengineering – an area of real ongoing research where undergraduates can make a difference and be valuable team members. (Please note that ‘benchtop’ biomedical research itself is not a focus of the BER REU). Project examples include:

- Course module design
- Engineering simulations or animations
- Learning science research
- Planning experiments and analyzing data related to assessment of student learning
- Outreach projects to middle or high schools involving biomedical engineering concepts

There are four institutions collaborating on the BER REU, and students will be located at each site:

- Northwestern University, Evanston IL
- Vanderbilt University, Nashville, TN
- University of Texas at Austin, Austin TX
- Health Sciences and Technology (Harvard/MIT), Boston, MA

Students will be paid a stipend of \$4,050 plus travel expenses.

To apply and for more information, visit the BER REU website:

<http://www.bme.vanderbilt.edu/reu2010>