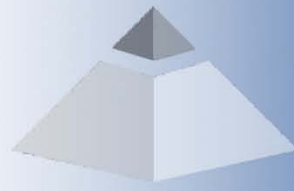


# FUTURE



Furthering University of Tennessee Undergraduate Research Education

for Team-Based  
Design in

# BME

BioMedical Engineering

Are you a **rising senior** in MABE?

Would you **like to get paid** over the summer?

Do you **want experience** in a clinic and/or laboratory?

Can you **be a leader** to springboard senior design projects?

If you answered yes to these questions, please complete an application by March 31<sup>st</sup> ([http://rrg.utk.edu/FUTURE\\_BME\\_Application.pdf](http://rrg.utk.edu/FUTURE_BME_Application.pdf)) for our Clinical Immersion Portion of the FUTURE for Team-Based Design in BME Program sponsored by the National Institutes of Health.



The senior capstone design course is arguably the most important course for engineering students because it is the last bridge between theory-based education and a problem-solving profession. A combination of teams, professional environment, and open-ended projects build upon theoretical knowledge and develop problem-solving skills.

Upcoming changes to the senior capstone design course will introduce **a new period of clinical immersion and planning over the summer**. Through clinical shadowing, literature/patent searches, and project planning, this 10-week period will provide an immersive training environment through daily activities in a clinical or laboratory setting and discussions about treatment protocols. **Deliverables are a written outline (due at the 5th week) and a final report (due at the 10th week)**, including proposed work towards a particular design solution, and realistic timetable for the work completion. **The report will be a starting point for the academic year.**



GRADUATE SCHOOL OF MEDICINE COLLEGE of ENGINEERING

THE UNIVERSITY OF TENNESSEE  
MEDICAL CENTER

