

# ASACR 5

Office of the President  
February 21, 2020

Members, Board of Trustees:

ACADEMIC DEGREE RECOMMENDATION:  
COLLEGE OF ENGINEERING

Recommendation: that the Board of Trustees approve the establishment of a Bachelor of Science degree with a major in Biomedical Engineering, in the F. Joseph Halcomb III, M.D. Department of Biomedical Engineering, within the College of Engineering, beginning in the Fall 2020 Semester.

Background: Biomedical engineering is a multidisciplinary field that applies engineering principles and design methods to improve the interaction and integration of engineering with medicine and biological sciences for improving human health and solving health care challenges. The proposed program addresses institutional needs for growth in the number and diversity of engineering students and societal needs for excellent, affordable, and available health care technology.

Among existing biomedical engineering programs, this program is unique because of a close collaboration with the College of Design and a pervasive emphasis on design thinking. The program uses a shared first-year engineering curriculum and shared foundational engineering with upper-level discipline-specific courses. The program culminates in a two-year interdisciplinary capstone design project.

Pending Board approval, accreditation will be sought from the Accreditation Board for Engineering and Technology (ABET). Enrollment of 30 to 40 students per cohort is anticipated.

The program has the approval of the appropriate councils and the University Senate, and has completed the 30 day review process of the Council on Postsecondary Education. The Provost of the University supports this recommendation.

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Action taken:  Approved     Disapproved     Other\_\_\_\_\_