

**BOARD OF TRUSTEES  
UNIVERSITY OF THE DISTRICT OF COLUMBIA**

**UDC Resolution No. 2014-39**

**SUBJECT: Approval of Bachelor of Science in Biomedical Engineering Degree Program**

**WHEREAS**, pursuant to D.C. Official Code § 38-1202.06(3), the Board of Trustees is authorized to establish or approve policies and procedures governing admissions, curricula, programs, graduation, the awarding of degrees, and general policy for the components of the University; and

**WHEREAS**, pursuant to DCMR § 08-B308.1, new associate, baccalaureate, and graduate degree programs may be added to the University curricula upon recommendation by the Academic Senate and the President and after approval by the Board; and

**WHEREAS**, Biomedical Engineering (BME) is projected to be one of the fastest growing occupations (based on U.S. Bureau of Labor Statistics) and, therefore, a high-demand profession in our region and nationally, which would not only benefit undergraduate students at UDC but will also provide students at the UDC community college and District of Columbia high school students an economical and continuous path for obtaining a post-secondary education in Biomedical Engineering; and

**WHEREAS**, University undergraduates earning a Bachelor of Science in BME (BSBME) will gain a strong interdisciplinary education that combines engineering analysis and design with physiology, (i.e., from the cellular level to entire biological systems), and graduates of this program will be prepared for engineering positions in industrial settings, as well as for advanced degrees in engineering, medicine, and other health-related disciplines, thus also serving as a precursor to those interested in pursuing a medical degree; and

**WHEREAS**, the University proposes an inter-disciplinary program that would be informed and enhanced by the collaboration, internally, of the School of Engineering and Advanced Sciences and the College of Arts and Sciences, and externally by regional and world-renowned institutions (such as the National Institutes of Health, National Science Foundation, Johns Hopkins University, etc.); and

**WHEREAS**, the proposed curriculum has been designed to provide students with up-to-date advanced training in selected marketable specialties of Biomedical Engineering, Biological Sciences and other engineering related inter-disciplinary fields; and to prepare students for entry into research-based graduate studies (e.g., to obtain a M.S. or Ph.D. degree in BME) or medical school; and to prepare students for industrial career positions in both public and private sectors pertaining to medical-related fields; and to provide students the background and tools necessary to take the Fundamentals of Engineering (FE) examination (i.e., if the student wishes to attain registration as a Professional Engineer); and

**WHEREAS**, the Administration proposes to establish a BS in Biomedical Engineering (BSBME), based in the School of Engineering and Advanced Sciences, and the proposed program has been approved by all required levels of faculty and administration;

**NOW THEREFORE, BE IT RESOLVED** that the University of the District of Columbia is hereby authorized to implement the BS in Biomedical Engineering (BSBME) Degree Program in accordance with the attached proposal, *provided that* the funds required to implement the program shall not be obligated until they have been identified and reprogrammed within existing University resources.

Submitted by the Academic and Student Affairs Committee

November 6, 2014

Approved by the Board of Trustees

November 18, 2014



Elaine A. Crider  
Chairperson of the Board