

**BOARD OF TRUSTEES  
UNIVERSITY OF THE DISTRICT OF COLUMBIA  
UDC Resolution No. 2016-28**

**SUBJECT:** Approval of Master of Science in Civil Engineering (MSCE) Degree Program in the School of Engineering & Applied Sciences (SEAS)

**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**, SEAS has been offering an accredited bachelor's degree since 1988 in Civil Engineering, considered one of the oldest engineering disciplines, and it encompasses many specialties that include construction, environmental, water resources, transportation, structural, and geotechnical engineering; and civil engineering is a professional discipline that deals with planning, design, construction, operation and maintenance of the physical and naturally-built environment for the benefit of humankind; and it provides modern society with vital infrastructure and lifeline systems, such as cities, roads, buildings, bridges, railroads, water supply systems, wastewater systems and storm water management; and

**WHEREAS**, the proposed graduate program, Master of Science in Civil Engineering (MSCE), is designed to meet the needs of Civil Engineering undergraduate students (starting with those at UDC), working professionals in the greater Washington DC Metropolitan area, as well as national and international students, by providing an economical and continuous path to reinforce, broaden, and integrate civil engineering degree education and make UDC responsive to the labor demands of an expanding and advanced field in the supply of essential civil engineering professional services, environmental protection, infrastructure rehabilitation, and redevelopment, green engineering and urban sustainability and better management of the civil infrastructure (system);

**WHEREAS**, the proposed Civil Engineering program curriculum will offer a high-level graduate program with strong foundations in theory and applications, intended to: provide graduate students with up-to-date advanced training in selected marketable specialties of civil engineering and other civil engineering related inter-disciplinary fields; provide graduate students with research opportunities to solve real-world problems in civil engineering in a sustainable manner and prepare students for entry into research-based doctoral studies in the discipline; prepare graduate students for leadership positions in their professional field in both public and private sectors; prepare civil engineering students academically to meet the requirements of the engineering profession and their societies (American Society of Civil Engineers, National Society of Professional Engineers and National Council of Examiners for Engineering and Surveying); prepare students in inter-disciplinary research for developing innovative technologies; and the program has been designed to offer several tracks, each specializing in various sub-disciplines of civil engineering (such as water and environmental engineering, transportation engineering, and construction and engineering management, structural engineering and geo-technical engineering), the implementation of which will be accomplished in a gradual manner depending upon the

availability of resources and market demand (with the current proposal of tracks in Water and Environmental Engineering and Transportation Engineering and Management);

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

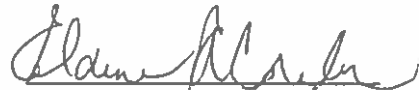
**NOW THEREFORE, BE IT RESOLVED** that the University of the District of Columbia is hereby authorized to implement the MS in Civil Engineering (MSCE) Degree Program in accordance with the attached proposal, *provided that* the funds required to implement the program shall not be obligated until they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

Submitted by the Academic and Student Affairs Committee

July 12, 2016

Approved by the Board of Trustees

July 26, 2016



Elaine A. Crider  
Chairperson of the Board