

M e m o r a n d u m

To: University Senate
From: Maria Pruchnicki, Chair, Council on Academic Affairs
Subject: Proposal to Establish a Master of Structural Engineering Degree Program
Date: January 19, 2022

A PROPOSAL FROM THE COUNCIL ON ACADEMIC AFFAIRS TO ESTABLISH A MASTER OF STRUCTURAL ENGINEERING DEGREE PROGRAM, COLLEGE OF ENGINEERING

Whereas the Master of Structural Engineering is a specialized professional degree program aimed at the practicing structural engineer seeking to increase their technical skills alongside their management and leadership abilities; it will equip working professionals with the technical skills to design complex vertical and horizontal structures and provide graduates with the skills to transition rapidly to roles with larger project management responsibilities; and

Whereas the proposal provides evidence of a need and interest for such a program; and

Whereas it is an in person 30-credit non-thesis program that can be completed full time and part time and has four primary elements: core advanced and structural dynamics topics; technical electives; professional development topics in business management and finance; and a two-semester Structural Engineering Project; and this unique combination is not available in other regional or national programs; and resources are available to offer the program – admitting 5 students in the first year and building to 25; and

Whereas the program will be administered by the Department of Civil, Environmental and Geodetic Engineering, there will be a Faculty Director, a Graduate Studies Committee, and an Industry Advisory Board; and the fiscal and other resources needed for its implementation have been provided; and

Whereas the proposal has the support of the faculty and leadership of the Department of Civil, Environmental and Geodetic Engineering and the College of Engineering, and support from the Fisher College of Business; and

Whereas the proposal was reviewed and approved by the Graduate School, and then the Council on Academic Affairs at its meeting on January 12, 2022; and

Therefore be it resolved that the University Senate approve the proposal to establish a Master of Structural Engineering degree program and respectfully request approval by the Board of Trustees.