

TO: The Engineering Faculty

FROM: The Faculty of the Lyles School of Civil Engineering

RE: New Undergraduate Concentration in CE - Water and Environment

The Faculty of the Lyles School of Civil Engineering has approved the new undergraduate concentration - Water and Environment effective Fall 2024 for all students in Civil Engineering. This action is now submitted to the Engineering Faculty with a recommendation for approval.

New Undergraduate Concentration in CE - Water and Environment

Description: The proposed concentration Water and Environment Concentration requires the following seven classes (21 cr.):

- CE 35000 Environmental Engineering (3 cr.)
- CE 44000 Urban Hydraulics (3 cr.)
- CE 38300 Geotechnical Engineering I (3 cr.)
- CE 45600 Wastewater Treatment Processes (3 cr.)
or - CE 45700 Air Pollution (3cr.)
- CE 54300 Coastal Engineering (3 cr.)
or - CE 54900 Computational Watershed Hydrology (3 cr.)
- EEE 30000 Environmental Modeling (3 cr.)
- CE 44200 Introduction to Hydrology (3 cr.)

Rationale: In order to streamline the available undergraduate concentrations in the Lyles School of Civil Engineering, to better match student interests, and to meet industry demand, the new concentration of Water and Environment is proposed for the Lyles School of Civil Engineering. This concentration combines elements of hydraulic and hydrologic engineering (water) with environmental engineering, two specializations of civil engineering that strongly overlap in industry and academia. This new concentration will better prepare undergraduate students for the workplace, as well as graduate school.