

TO: The Engineering Faculty
FROM: Lyles School of Civil Engineering of the College of Engineering
RE: Amending Civil Engineering Geomatics Concentration

The faculty of the Lyles School of Civil Engineering has approved the following change in the CE Geomatics Concentration effective Fall 2024 for all students in Civil Engineering. This action is now submitted to the Engineering Faculty with a recommendation for approval.

FROM: A Civil engineering student must complete the following four courses (**12 credits**) to obtain a Geomatics Concentration:

- CE 30300 Engineering Surveying
- CE 36100 Transportation Engineering
- CE 40800 Geographic Information Systems in Engineering
- CE 49700 Civil Engineering Projects – Cadastral Surveying

In addition, choose one course (**3 credits**)

- CE 44000 Urban Hydraulics
- CE 56200 Geometric Design of Highways

TO: A Civil engineering student must complete **15 credits** from the following lists of courses to obtain a Geomatics Concentration:

Required, the following two courses (total 6 credits):

- CE 50800 Geographic Information systems
- CE 50100 Map Projection and Geometric Geodesy

In addition, select one from the following two options (total 9 credits):

Choose One (3 credits)	Choose Two (6 credits)
• CE 36100 Transportation Eng.	CE 50300 Digital Photogrammetric Systems
• CE 44000 Urban Hydraulics	CE 50400 Laser Scanning
• CE 38300 Geotechnical Eng.	CE 50600 Adjustment Geospatial Observations
• CE 35500 Eng Environ Sustain. /	CE 50700 Geospatial Data Analytics
• CE 32201 Proj. Control & Life Cycle of Constructed Facilities	CE 59700 Image-based Sensing

REASON: Civil Engineering seeks to have a more relevant and updated Geomatics Concentration requiring 15 credits.