

TO: The Faculty of the College of Engineering
FROM: Lyles School of Civil Engineering of the College of Engineering
RE: Amending Civil Engineering Transportation and Infrastructure Concentration

The faculty of the Lyles School of Civil Engineering has approved the following change in the CE Transportation and Infrastructure Systems 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 Transportation and Infrastructure Systems Concentration:

- CE 36100 Transportation Engineering
- CE 38300 Geotechnical Engineering
- CE 46300 Highway Transportation Characteristics
- CE 59400 Transportation Systems Analysis

TO: A Civil engineering student must complete **15 credits** from the following lists of courses to obtain a Transportation and Infrastructure Systems Concentration:
Required, the following three courses, each 3 credits (total 9 credits):

- CE 36100 Transportation Engineering
- CE 46100 Roadway and Pavement Design
- CE 46300 Highway Transportation Characteristics

In addition, select two from the following 13 courses, each 3 credits (total 6 credits):

CE 51200 Urban Planning & Analysis	CE 56400 Data Science for Smart Cities
CE 56000 Public Mass Transportation	CE 56500 Traffic Eng: Operations & Control
CE 56100 Transportation System Eval.	CE 56600 Transportation Planning
CE 56200 Geometric Design Highway	CE 56601 Network Models for Connected and Autonomous Vehicles (CAV's)
CE 562001 Vehicular Cyber-Physical Systems	CE 56700 Highway Traffic & Safety Analysis
CE 56300 Airport Design	CE 56800 Highway Infrastructure MGMT Systems
	CE 56900 Smart Logistics

REASON: Civil Engineering seeks to have a more relevant and updated Transportation and Infrastructure Systems Concentration requiring 15 credits instead of 12 credits.

Link to Curriculog entry: