

2018-2019 CE-GEO Course and Prerequisite List

COURSE	PREREQUISITES
CORE CORRESES (Take All)	
CE 5364 CE FOUNDATION ANALYSIS AND DESIGN	CE 3343. Credit not granted for both CE4321 and CE 5364.
CE 5365 THEORETICAL SOIL MECHANICS	CE 3343 or consent of instructor.
CE 5370 EXPERIMENTAL SOIL MECHANICS	CE 3343 or consent of instructor.
ELECTIVE COURSES	
CE 5336 PAVEMENT DESIGN	CE 3302, CE 3261, and CE 3343.
CE 5341 PAVEMENT MANAGEMENT	CE 5336 or equivalent.
CE 5361 DESIGN/CONSTRUCTION OF ASPHALT CONCRETE	CE 3261 or equivalent. Credit not granted for both CE4336 and CE 5361.
CE 5362 RIGID PAVEMENTS	CE 3261 or equivalent. Credit not granted for both CE4337 and CE 5362.
CE 5363 CONSTITUTIVE MODELING OF SOILS	CE 3343 or consent of instructor.
CE 5366 SOIL DYNAMICS	CE 2221 and CE 3343; or consent of instructor.
CE 5367 DESIGN OF EARTH STRUCTURES	CE 3343 or consent of instructor. Credit not granted for both CE 4320 and CE 5367.
CE 5368 UNSATURATED SOIL MECHANICS	CE 3343 and CE 5363; or consent of instructor.
CE 5369 COMPUTATIONAL GEOTECHNICS	CE 3343 or consent of instructor.
CE 5371 SOIL BEHAVIOR	CE 3343 or consent of instructor.
CE 5372 GEOSYNTHETICS	CE 3343 or consent of instructor. Credit not granted for CE4322 and CE 5372.
CE 5374 GROUND IMPROVEMENT	CE 3343 or consent of instructor.
CE 5375 GEOTECHNICAL ASPECTS OF LANDFILLS	CE 3343. Credit not granted for both CE4323 and CE 5375.
CE 5390 UNSATURATED SOILS	CE 5368 or consent of instructor.
CE 6311 ADVANCED FOUNDATION DESIGN	CE 4321 or CE 5364.
CE 6312 IN SITU TESTING	CE 3143 or CE 5370 or consent of instructor.
CE 6313 DESIGN OF EARTH DAMS	CE 5367 or consent of instructor.
CE 6315 ADVANCED GEOTECHNICAL MODELING	Grade of C or better in CE5363; Grade of C or Better in CE 5369; Programming Language (Fortran, C, or MATLAB); and numerical analysis; or consent of Instructor.
Elective Courses Requiring Program Director or Academic Advisor Approval	
CE 5191 ADVANCED STUDIES IN CIVIL ENGINEERING	Consent of instructor
CE 5391 ADVANCED STUDIES IN CIVIL ENGINEERING	Consent of instructor
CE 5395 MASTER'S PROJECT.	Non-thesis. Consent of instructor and approval of Supervising Committee Chair.
CE 5695 MASTER'S PROJECT.	Non-thesis. Consent of instructor and approval of Supervising Committee Chair.
CE 5398 THESIS	Approval of Supervising Committee and Chair
CE 5698 THESIS	Approval of Supervising Committee and Chair