CE-GEO PROGRAM OF WORK ADVISING (2018-2019 Catalog)

(Must fill this form out and submit it before 12 hours of course work is completed.)

| Student Name: | | _ | | | | | | Date: | |
|----------------|------------------------------------|-----------------------------------|---|-------|--------|-------------|-----------------------|---------------|----------|
| | | | Last | First | Middle | | | | |
| Address: | | | | | | | | ID.Number: | |
| Degree | Held and Fi | elds: | | | | | | | |
| Degree Sought: | | ME - Non | /IE - Non-Thesis 🗆 MS - Thesis 🗆 Major: Geote | | | Geotechnic | al Engineering (GEO) | | |
| | | 1 | 1 | | | | | | _ |
| | Subject Prefix | Course Number | Required Core Courses (9 Hours Required) | | | Check to | if applying degree | Semester/Year | Grade |
| CE 5364 | | CE Foundation Analysis and Design | | | | | | | |
| | CE 5365 Theoretical Soil Mechanics | | | | | | | | |
| | CE | 5370 | Experimenta | | | | | | |

Student must earn an average GPA of 3.0 or higher in their core courses. If final core course GPA is below a 3.0, student must pass a comprehensive exam over the Core Courses. Note: No course used as a Required Core Course can be used for an Elective Course

Masters of Engineering Degree (ME) Elective Course Options

Twenty-one (21) semester hours of course work must be taken from Elective Courses below. Course selection must result in a cohesive program that supports the major area. Masters of Science Degree (MS) Elective Course Options

Fifteen (15) semester hours of elective course work must be taken from Elective Courses below. Course selection must result in a cohesive program that supports the thesis and must receive the approval of the student's supervising committee.

Thesis: Once the student is enrolled in the thesis course(s), continuous enrollment is required. The student must be enrolled in six (6) Hours of thesis during the semester the student finishes the thesis requirements and files for graduation.

FINAL DEGREE REQUIREMENTS vary depending upon a student's background and experience. Student's supervising committee establishes individual final degree requirements.

| | | | Elective C | ourses | | | |
|---|--------------------------------|--------------------------------------|-----------------------------------|-----------------------------------|-----------------------------|---------------|-------|
| Elective Courses | Check if applying to degree | Semester/Year Semester Year 20 | Grade | Elective Courses | Check if applying to degree | Semester/Year | Grade |
| CE 5336 Pavement Design | | F Su Sp | | CE 5372 Geosynthetics | Geosynthetics | | |
| CE 5341 Pavement Management | | F Su Sp | | CE 5374 Ground Improvement | | | |
| CE 5361 Design/Construction of A | F Su Sp | | CE 5375 Geotechnical Aspects of L | | | | |
| CE 5362 Rigid Pavements | F Su Sp | | CE 5390 Unsaturated Soils | | | | |
| CE 5363 Constitutive Modeling of | F Su Sp | | CE 6311 Advanced Foundation De | | | | |
| CE 5366 Soil Dynamics | F Su Sp | | CE 6312 In Situ Testing | | | | |
| CE 5367 Design of Earth Structure | F Su Sp | | CE 6313 Design of Earth Dams | | | | |
| CE 5368 Unsaturated Soil Mechan | F Su Sp | | CE 6315 Advanced Geotechnical | | | | |
| CE 5369 Computational Geotechn | lics | F Su Sp | | | | | |
| CE 5371 Soil Behavior | F Su Sp | | | | | | |
| | Elective | Courses Needing P | rogram Dire | ector or Academic Advisor Approva | al | | |
| CE 5191 Advanced Studies in Civ | /il Engineering | F Su Sp | | | | | |
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| | | | | | | | |
| Admission Provisional: Requirements Probation: Deficiency Courses | | | | | | | |
| Examination Requirement(s) | | | | | | | |
| Language Requirements(s) | | | | | | | |
| List any other Requirements(s) by the Committee | | | | | | | |
| | · | APPROVALS A | ND DATES | S (Signatures Required) | | | |
| Student: | | | | Date | | | |

Date Date

Academic Advisor:

CE

5698

Thesis (Only MS Students)

Graduate Advisor/Chair:

Date

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. | | | | |
| ELECT | VE 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. | | | | |
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| 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 | | | | |
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