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| Requirement | Credits | Course |
| General Required Course | 3 | * ENGR 5310 Probability, Random Var, & Stochastic Processes for Engineers
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| General Required Core | 7 | * Thesis or Project (6)
* Seminar (1)
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| Civil Engr Required Courses | 6 | * CE 5370 Urban Storm Water Management1
* CE 5390 Infrastructure Systems Analysis2
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| Engineering Electives*Select three courses from the list at the right* | 9 | * CE 5320 Water Quality Management
* CE 5321 Fate and Transport of Contaminants
* CE 5340 Advanced Infrastructure materials
* CE 5350 Highway Bridge Design
* CE 5360 Pavement Design
* CE 5372 Open Channel Flow
* CE 5391 Advanced Mechanics of Materials
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| Multidisciplinary Electives*Select three courses from the list at the right* | 9 | * BIO 5319F Watershed Management Frameworks and Applications
* BIO 5362 Environment Impact Analysis
* CHEM 7330 Environment Chemistry
* CIS 5364 Data Warehousing
* GEO 5312 Managing Urbanization
* GEO 5313 Environment Management
* GEO 5334 Applied Water Resources
* GEO 5336 Transportation Systems
* GEO 4351 Regional Waste Management
* GEO 5352 Air Quality Management
* MATH 4337C Numerical Methods for Ordinary Differential Equations
* MATH 4393 Introduction to Finite Element Methods
* BLAW 5333 Legal Issues of Sustainability and Responsibility
* BLAW 5368E Environmental Law and Policy
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1 = Will accept BIO 5362 Environmental Impact Analysis, 2 = Will accept GEO 5312 Managing Urbanization