NORWICH UNIVERSITY™
School of Graduate Studies

# MASTER OF CIVIL ENGINEERING

| | | Structural Concentration | OR | Environmental/Water Resources Concentration | OR | Geotechnical Concentration |
|---|---|---|---|---|---|---|
| | Prerequisite(s) | Calculus Review | | | | |
| | | Hydraulics for Environmental Engineers | | Engineering Mechanics | | Introduction to Soil Mechanics I |
| | | Fundamentals of Environmental /Water Resources Engineering | | Fundamentals of Structural Engineering | | Introduction to Soil Mechanics II & Foundation Engineering |
| | | | | | | On Campus Laboratory #1 |
| Semester 1 | Seminar 1 | Math & Project Management | | | | |
| | Seminar 2 | Project Management | | | | |
| Semester 2 | Seminar 3 | Physiochemical & Biological Processes in Water and Wastewater Treatment | | Classical, Matrix, & Dynamic Analysis of Structures | | Intermediate Soil Mechanics & Foundation Engineering |
| | Seminar 4 | Stormwater Management & GIS Applications for Water Resources | | Design of Steel and Timber Structures | | Earthquake Engineering & Soil Stabilization |
| Semester 3 | Seminar 5 | Geoenvironmental Engineering – Groundwater Flow and Waste Containment | | Design of Reinforced and Prestressed/ Precast Structures | | Numerical Methods in Geotechnical Engineering |
| | Seminar 6 | Capstone Design Project | | | | |
| | | | | | | On Campus Laboratory #2 |

**Residency and Graduation at Norwich University**