

**Proposed 3-quarter MS in Simulation-driven Geotechnical Engineering**

Fall	Winter	Spring
ME-CEE 327 Finite Element Methods (FEM)	CEE-ME 426-1 Advanced Finite Element Method I	CEE/ME 395 Computational Forensics and Failure Analysis
CIV_ENV 450-1 Advanced Soil Mechanics I	CIV_ENV 450-2 Advanced Soil Mechanics II	CIV_ENV 450-3 Advanced Soil Mechanics III
CIV_ENV 358 – Air Photo or 453 – Rock Mechanics	CIV_ENV 458 – soil dynamics or 451 – Expansive Soil Mechanics	CIV_ENV 495 - Ground modification or geomechanics
CIV_ENV 495 Underground construction	CIV_ENV 495 - Environ. Geomechanics	Project / MS Capstone