

**Proposed 3-quarter MS in Simulation-driven Structural Engineering and Infrastructure Materials**

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 320 Structural Dynamics	CIV_ENV 319 Theory of Structures II	CIV_ENV 421 Prestressed Concrete
CIV_ENV 417 Mechanics of Continua	CIV_ENV 495 Plates and Shells	CIV_ENV 495 Structural Optimization
Elective	CIV_ENV 415 Theory of Elasticity	Project / MS Capstone