I want to create an environment where we are more resilient, adaptable, better designed—essentially increase the life safety and improve the lifestyle of the human population.

- Dr. Nweke, Assistant Professor of Civil Engineering

MSCE STRUCTURAL ENGINEERING

Aligned with emerging frontiers and innovations of the field, the MS in Civil Engineering – Structural Engineering equips you with the knowledge and skills to design sustainable solutions for tomorrow’s buildings, bridges, and infrastructure.

**APPLICATION DEADLINES**

Fall: January 15, 2024
Spring: September 15, 2023

*All applicants who submit a complete application by the deadline will be considered for partial, merit-based scholarships.
MEET OUR FACULTY

**Bora Gencturk**
 Extreme event resiliency and sustainability of civil infrastructure

**Erik Johnson**
 "smart" structures, structural dynamics and control, random processes

**Amy Rechenmacher**
 Geotechnical engineering, geomechanics, engineering education

**Sami Masri**
 Analysis, control, modeling and monitoring of nonlinear systems

**Chukwuebuka Nweke**
 Seismic ground motion modeling, data analytics in hazard engineering

**Audrey Olivier**
 Probabilistic data analytics tools for structural health monitoring

**Qiming Wang**
 Bioinspired manufacturing and mechanics of unprecedented materials

**Roger Ghanem**
 Probabilistic modeling and computational stochastic mechanics

**Mihailo Trifunac**
 Strong motion seismology, structural dynamics, wave propagation, instrumentation

**Carter Wellford**
 Numerical methods in engineering, finite element analysis

**Gregg Brandow**
 Design of wood structures, performance of structural systems, failure analysis

**Vincent Lee**
 Earthquake engineering, computer numerical methods, computer-aided design

**Thomas Petersen**
 Mechanics and physics of porous materials

**Farzad Naeim**
 Structural analysis, design, peer review, research and development, seismic retrofit design of buildings

RESEARCH LABS & CENTERS

Structures and Materials Research Lab
Earthquake Engineering – Strong Motion Group
Tsunami Research Center