

FOCUS SEQUENCES/CAPSTONE SEQUENCE

ALL COURSES MUST BE TAKEN FOR A LETTER GRADE

Students enrolled in the Structural Engineering degree program should note that four course slots must be filled by focus sequence (FS) courses. The department currently offers four focus sequences, as listed below, and students must complete one of the focus sequences of their choice. Students should also note that depending on which focus sequence they choose will determine which capstone sequence they will take (either SE 140A & SE 140B or SE 143A & SE 143B). **It is possible that not all focus sequence courses will be offered every year. Students should check the Course Offerings page on the Structural Engineering website or consult the department Undergraduate Affairs Office in the spring quarter of the year before they begin taking focus sequence classes to ensure that the appropriate courses will be offered.**

Sequence Name	Courses in Sequence	Capstone Sequence
Civil Structures (CS)	SE 103 Conceptual Structural Design SE 150 Design of Steel Structures SE 151A Design of Reinforced Concrete SE 181 Geotechnical Engineering	SE 140A & SE 140B (Professional Issues and Design for Civil Structures I & II)
Aerospace Structures (AS)	SE 160A Aerospace Structural Mechanics I SE 160B Aerospace Structural Mechanics II SE 142 Design of Composite Structures SE 171 Aerospace Structures Renewal	SE 143A & SE 143B (Aerospace Structural Design I & II)
Geotechnical Engineering (GE)	SE 151A Design of Reinforced Concrete SE 181 Geotechnical Engineering SE 182 Foundation Engineering SE 184 Ground Improvement	SE 140A & SE 140B (Professional Issues and Design for Civil Structures I & II)
Structural Health Monitoring/ Non-destructive Evaluation (SHM/NDE)	SE 163 Non-destructive Evaluation SE 164 Sensors and Data Acquisition SE 167 Signal Processing & Spectral Analysis for Structural Engineering SE 168 Structural System Testing/Model Correlation	SE 165 Structural Health Monitoring & TE