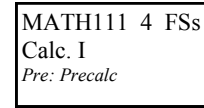
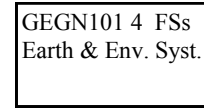
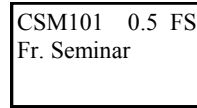
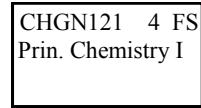
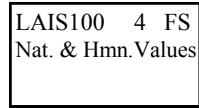
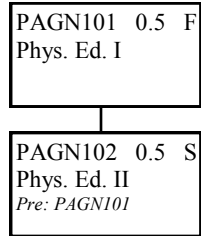


College of Engineering & Computational Sciences

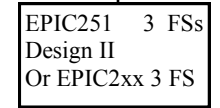
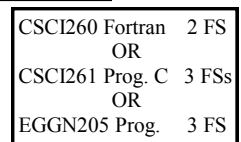
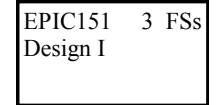
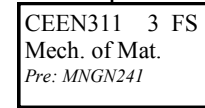
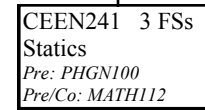
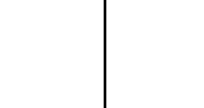
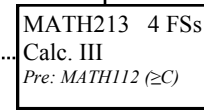
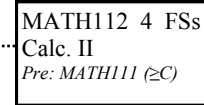
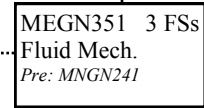
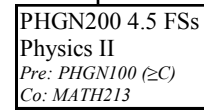
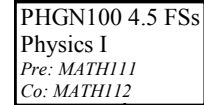
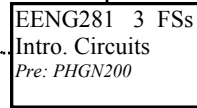
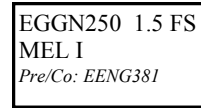
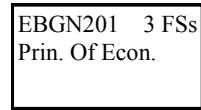
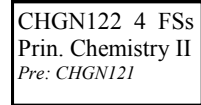
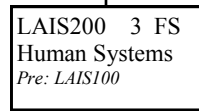
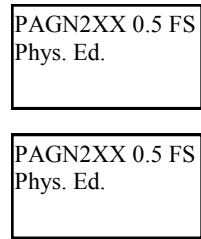
B.S. Civil Engineering ~ Advising Flowchart ~ 2013-2014

(See back for legend and list of Civil Electives)

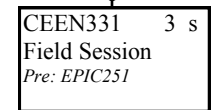
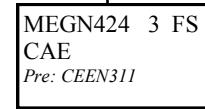
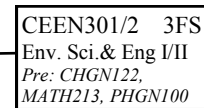
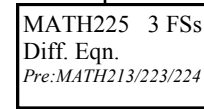
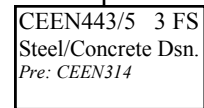
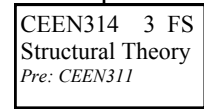
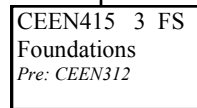
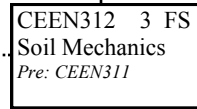
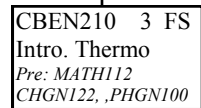
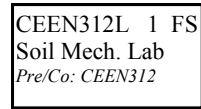
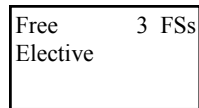
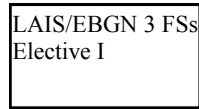
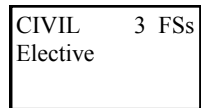
Freshman Year



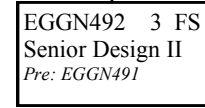
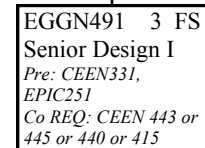
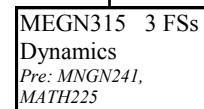
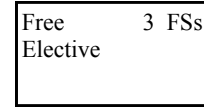
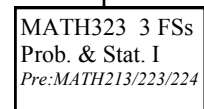
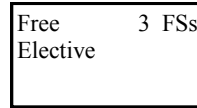
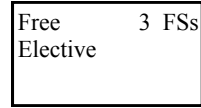
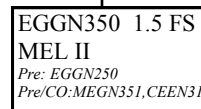
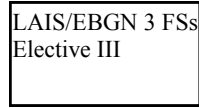
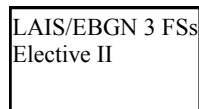
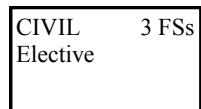
Sophomore Year



Junior Year

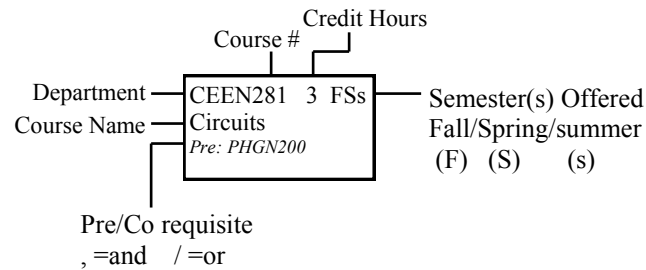


Senior Year

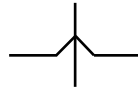


Civil Electives

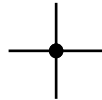
Legend



Shows lines crossing over but not connecting



Shows lines crossing and connecting together



Concurrent Enrollment Allowed
 (Arrow points toward course with pre/co requisite requirement)



Civil Engineering students must take one of CEEN 443 or 445 and one of CEEN 301 or 302. These courses may also count as List A Electives if not used as a required course.

- CEEN443 Design of Steel Structures
- CEEN445 Design of Reinforced Concrete Structures
- CEEN301 Fundamentals of Environmental Science and Engineering I
- CEEN302 Fundamentals of Environmental Science and Engineering II

List A Electives - Civil Engineering students must take 3 electives, with two of these from List A.

- CEEN405 Numerical Methods for Engineers
- CEEN406 Finite Element Methods for Engineers
- CEEN411 Soil Dynamics
- CEEN423 Surveying II
- CEEN430 Advanced Structural Analysis
- CEEN471 Water and Wastewater Treatment Systems Analysis and Design
- CEEN440 Timber and Masonry Design
- CEEN470 Water and Wastewater Treatment Processes
- CEEN475 Site Remediation Engineering
- EENG307 Introduction to Feedback Control Systems
- MEGN416 Engineering Vibration
- MEGN451 Fluid Mechanics II
- MNGN321 Introduction to Rock Mechanics

List B Electives

- CEEN477 Sustainable Engineering Design
- GEGN466 Groundwater Engineering
- GEGN468 Engineering Geology and Geotechnics
- GEGN473 Geological Engineering Site Investigation
- MNGN404 Tunneling
- MNGN406 Design and Support of Underground Excavations

During the 2013-2014 Academic Year - CEEN 498 Structural Preservation of Existing & Historic Buildings can also be used as a List B Elective.