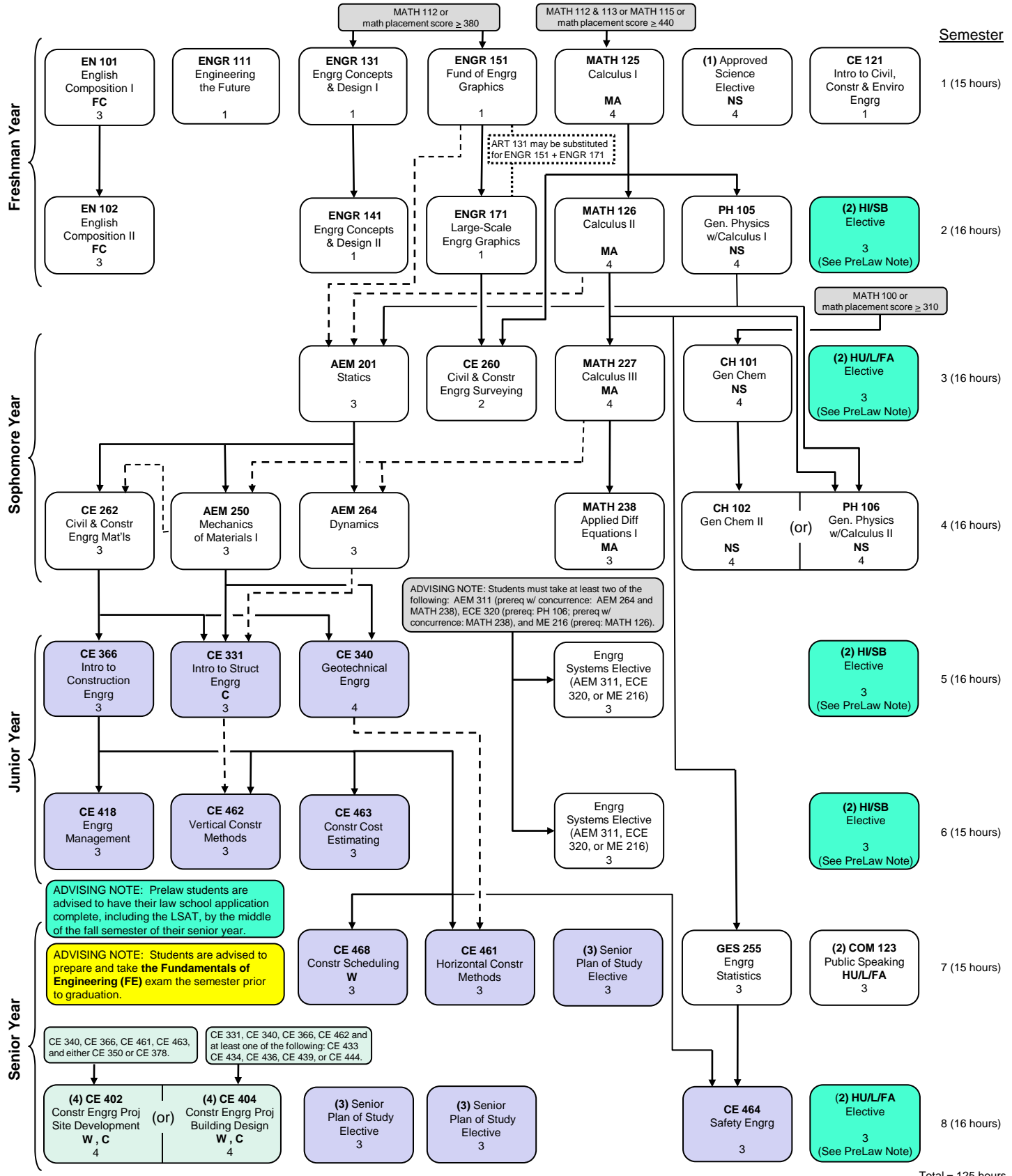


BACHELOR OF SCIENCE IN CONSTRUCTION ENGRG - PreLaw Track (2010)



Note: This is an unofficial flow chart prepared to assist students. Please contact the Department for additional information.

————> Prerequisite (5)
 - - -> Prerequisite with Concurrence (5)
 H/HSB = History/Social & Behavioral Science
 HU/L/FA = Humanities/Literature/Fine Arts
 C = Computer course
 W = Writing course

Notes: (1) Approved Science Electives: BSC 114/115, GEO 101, GEO 102, GEO 105, GY101, and GY 102.
 (2) PreLaw students are encouraged to consider the following courses for HU: COM 123, PHL 104, PHL 200, PHL 235, and PHL 251; and for SB: CE 220, COM 101, COM 220, EC 110, EC 111, PSC 101. Requires a min of 6 hours from the same discipline in either HU or SB.
 (3) Senior plan of study electives must include at least one project management elective (see approved list) and at least one design elective (see approved list). Students with a 3.0 GPA or higher are encouraged to consider 500-level electives. Students with a 3.3 GPA or higher are encouraged to enroll in the University Scholars Program. See an academic advisor for additional information.
 (4) Students may select, based on interest and completion of the appropriate prerequisites, either CE 402 or CE 404 their last semester prior to graduation.
 (5) A grade of C- or better is required for all CE courses and all courses that serve as a prerequisite or prerequisite with concurrence.

2010 BSCONE SENIOR PLAN OF STUDY ELECTIVES AND AVAILABLE MINORS

Rev: 8/5/10

Plan of Study Requirement: You must complete and have approved a Plan of Study for your three senior electives. Your Plan must include at least one project management (PM) elective and at least one construction design (CD) elective. One course may be a general technical elective (GT).

Course No.	Course Title	Type
CE 350 ¹	Introduction to Transportation Engineering	GT
CE 378 ¹	Water Resources Engineering	CD
CE 414/514	Information Systems Design	PM
CE 415/515	Advanced Engineering Economics	PM
CE 416/516	Advanced Information Systems Design	PM
CE 417/517	Advanced Project Management	PM
CE 432/532	Advanced Structural Analysis I	GT
CE 433	Reinforced Concrete Structures I	CD
CE 434	Structural Steel Design I	CD
CE 436/536	Wood Structural Design	CD
CE 437/537	Reinforced Concrete Structures II	CD
CE 438/538	Structural Steel Design II	CD
CE 439/539	Design of Masonry Structures	CD
CE 442/542	Waste Containment Facilities	CD

Course No.	Course Title	Type
CE 444/544	Foundation Engineering	CD
CE 457/557	Pavement Design & Construction	CD
CE 459/559	Pavement Rehabilitation	CD
CE 460/560	Front End Planning	PM
CE 465/565	Blasting Engineering	GT
CE 467/567	Construction Accounting and Finance	PM
CE 480/580	Forensic Engineering	CD
CE 481/581	Legal Aspects of Engineering & Construction	PM
CE 485/585	Construction Site Erosion Control	CD
CE 491/591	Special Problems	GT ²
CE 498	Undergraduate Research Experience	GT ²
CE 499	Honors Thesis	GT ²
GES 401/501	Operations Research	PM

¹ CE 350 or CE 378 is a prerequisite for CE 402 Construction Engineering Project – Site Development.

² CE 491/591, CE 498, and CE 499 are designated as general technical electives (GT) unless approved otherwise.

Prerequisites for CE 402 Construction Engineering Project – Site Development: CE 340, CE 366, CE 461, CE 463, and either CE 350 or CE 378

Prerequisites for CE 404 Construction Engineering Project – Building Design: CE 331, CE 340, CE 366, CE 462 and at least one of the following: CE 433, CE 434, CE 436, CE 439, or CE 444.

Minor in Architectural Engineering: 22 hours. CE 331, CE 366, CE 403, and four approved electives with a minimum of one elective from at least two areas: (A) Structural Engineering and Design – CE 432, CE 433, CE 434, CE 436, CE 437, CE 438, CE 444, CE 439; (B) Building Mechanical/Electrical Systems – ME 309, ME 407, ME 416, ECE 350; (C) Construction Engineering and Management – CE 467, CE 468, CE 417, CE 418.

Minor in Civil Engineering: 25 hours. CE 320, CE 331, CE 340, CE 350, CE 366, CE 378, and two approved civil engineering senior electives.

Minor in Environmental and Water Resources Engineering: 18 hours. CE 320, CE 378, CE 422, CE 425, and two of the following: CE 220, CE 423, CE 424, CE 427, CE 429, CE 442, CE 475, CE 485, CE 486, CE 519.

Minor in Structural Engineering: 15 hours. CE 331, CE 432, CE 433, CE 434, and one of the following: CE 436, CE 437, CE 438, CE 439, CE 444, CE 534.

Minor in Transportation Engineering: 15 hours. CE 350, CE 458, and three of the following: CE 417, CE 418, CE 451, CE 452, CE 453, CE 454, CE 457, CE 459, CE 481, CE 573, GES 401, GES 585, GY 458, GY 465, GY 466, OM 517, ME 461.

Note: A minimum 2.0 GPA for all courses is required for the above minors.

University Scholars Program: Students with a 3.3 or higher GPA who apply and are admitted to graduate school may take up to three elective courses (9 hours) at the graduate level (500- or 600-level) and have these count towards both their BSCE and MSCE degree. Students must be admitted into the program prior to taking any graduate-level courses. Scholars' courses may also be used towards any of the above minors.