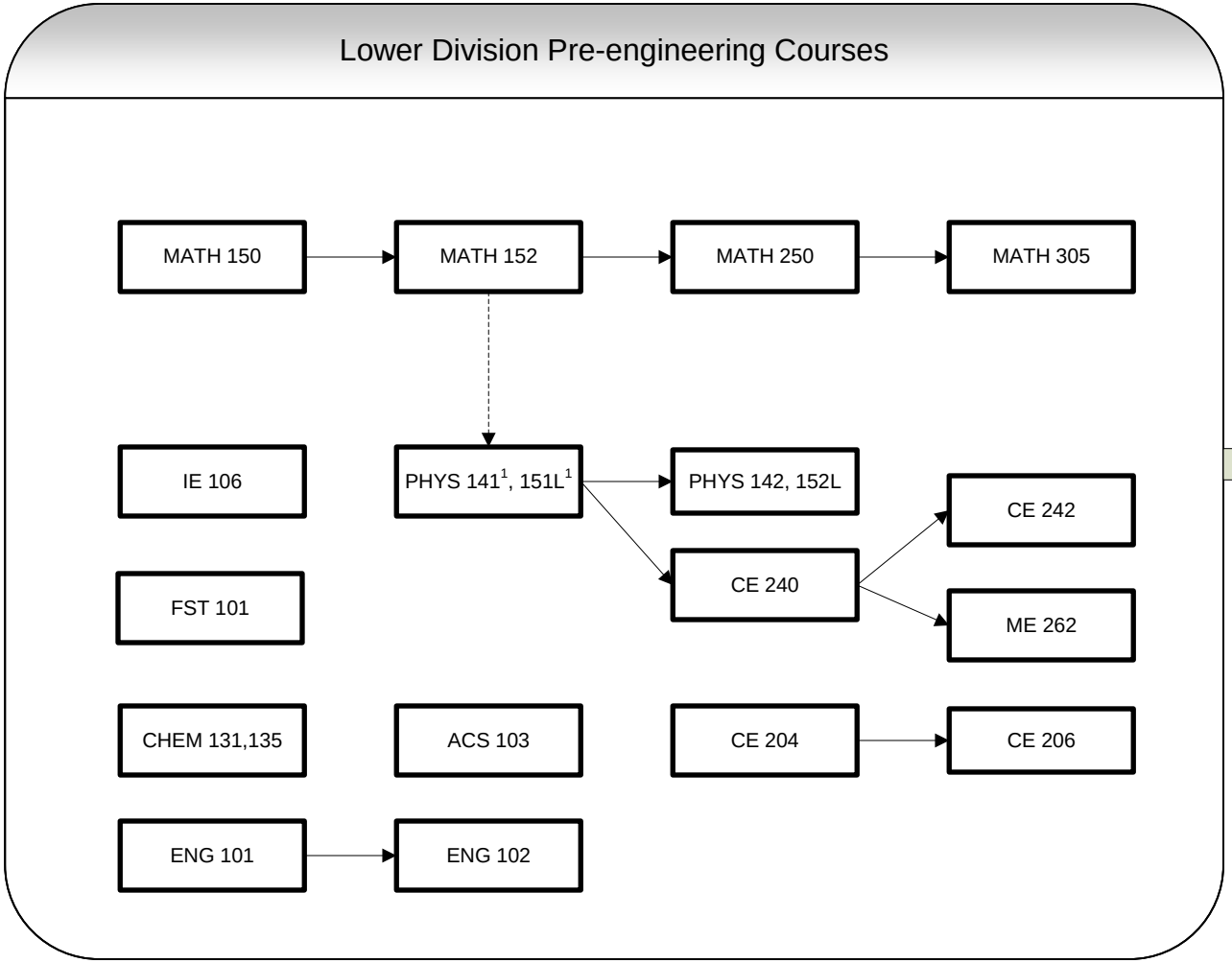


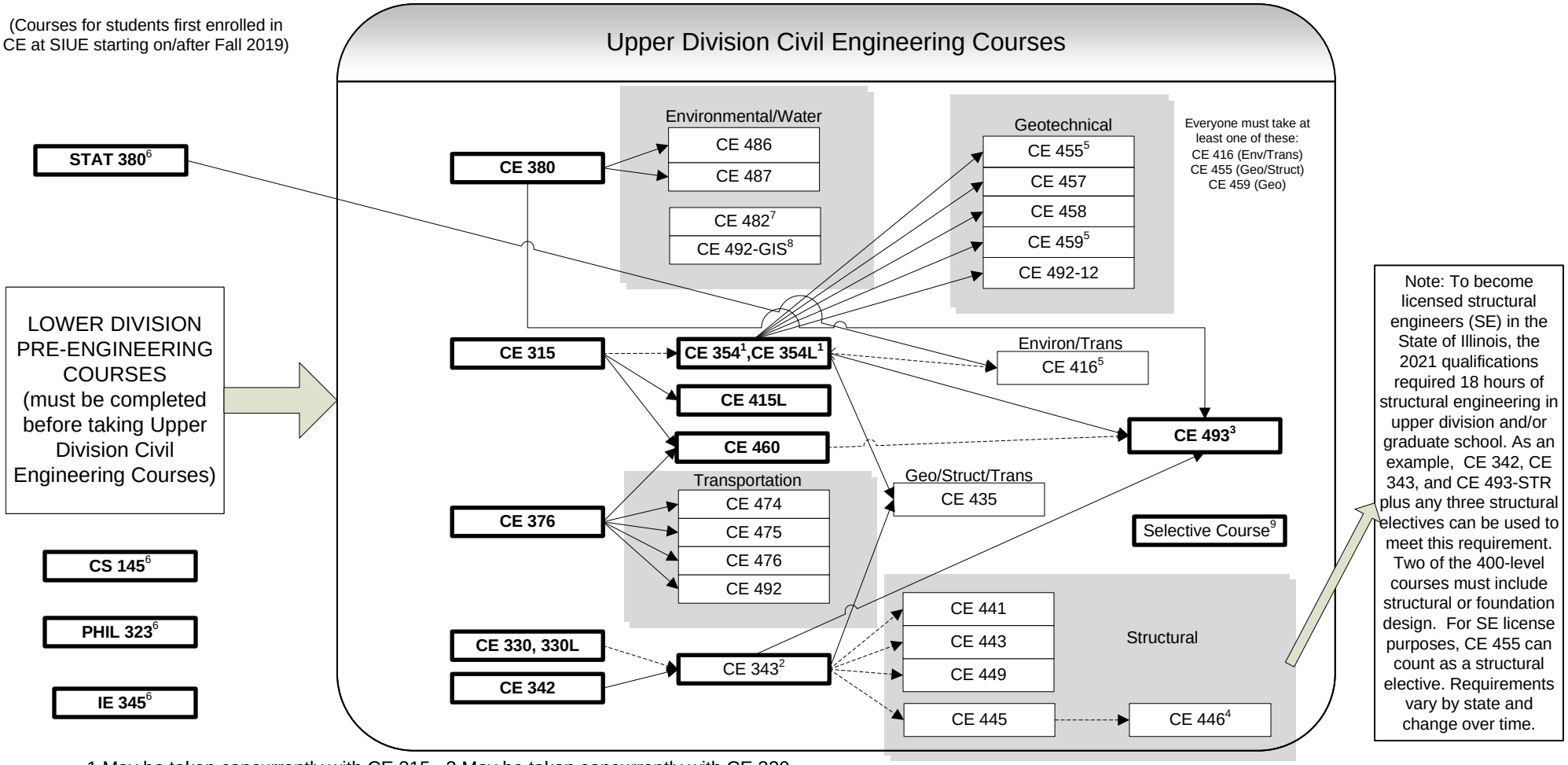
UPPER DIVISION COURSES
(All pre-engineering courses should be completed before a student is allowed to take upper-division civil engineering courses)

General Studies Requirements
(See Civil Engineering Curriculum Guide for Additional Important Info)
ACS 103 (EUSC)
ECON 111
IE 106
FST 101
Life Science Course (BLS)
Fine & Performing Arts (BFPA)
Interdisciplinary Studies (IS)(EGC)(EUSC)
Health Experience (EH)

[1] May be taken concurrently with MATH 152 (indicated by dashed arrow).

Course Key:
ACS 103 Interpersonal Communication Skills
CHEM 131,135 Engineering Chemistry and Lab
CE 204 Engineering Graphics and CAD
CE 206 Engineering Surveying
CE 240 Statics
CE 242 Mechanics of Solids
ECON 111 Macroeconomics
ENG 101, 102 English Comp. I and II
FST 101 New Freshman Transition
MATH 150,152, 250 Calculus I, II, and III
MATH 305 Differential Equations
ME 262 Dynamics
PHYS 141,151L,142,152L Univ. Physics I and II and Labs

(Courses for students first enrolled in CE at SIUE starting on/after Fall 2019)



1 May be taken concurrently with CE 315. 2 May be taken concurrently with CE 330.
3 May be taken concurrently with 460. 4 May be taken concurrently with CE 445, but CE 343 is a prerequisite and cannot be taken concurrently.
5 Either 416, 455, or 459 must be taken as part of the student's program. CE 416 may be taken concurrently with CE 315 and CE 354. 6 Courses without a "CE" prefix do not require admission to CE upper division to enroll, but do have their own prerequisites (check with your advisor). 7 Prerequisite CE 416 (C or better) or concurrent enrollment. 8 Prerequisites CE 315 or CE 416 or concurrent enrollment. 9 Selected course from approved list (see advisor for allowed courses and prerequisites).

Bold boxes indicate required courses. All other boxes are electives. Students must take four electives, including at least one of CE 416 and CE 455.

Solid arrows indicate prerequisites. Dashed arrows indicate classes may be taken concurrently.

Course Key:

CE 315 Fluid Mechanics
CE 330, 330L Eng. Mat.
CE 342 Struct. Eng. I
CE 343 Struct. Engineering II
CE 354, 354L Geo. Eng. & Lab
CE 376 Transportation
CE 380 Env. Engineering
CE 415L App. Fluids Lab
CE 416 Eng. Hydrology
CE 435 Pavement Des.
CE 441 Des. Timber Struc.
CE 443 Des. Masonry Struc.
CE 445 Adv. Struct. Analysis
CE 446 Adv. Conc. Des.
CE 449 Adv. Steel Des.
CE 455 Foundation Design
CE 457 Soil Mech in Eng.
CE 458 Geo. Exploration
CE 459 Soil Improvement Meth.
CE 460 Municipal Infra. Des.
CE 474 Computer Simulation
CE 475 Transp. Planning
CE 476 Traffic Studies
CE 482-Water Water Res. Mgt
CE 486 Waste. Treat. Des.
CE 487 Water Treat. Des.
CE 492-GIS in Hyd. Analysis
CE 592-GIS Appl. In Transp.
CE 492-12 Env. Geotech.
CE 493 Engineering Des.
CS 145 Intro Comp Sci
IE 345 Eng. Econ.
PHIL 323 Eng. Ethics