Construction Engineering Prerequisite Chart
Building Emphasis – 127 Credits
Catalog 2018 – 2019

Freshman
*Engr 101 (R) Orientation
*CE 160 (3) Prob Solving
*Phys 221 (5) Physics I
*Math 166 (4) Calculus II (C- or better)
ConE 121 (1) Learning Community
*Lib 160 (1) Inform. Literacy
*Engl 150 (3) Crit. Think & Comm. (C or better)

Sophomore
CE 170 (2) Graphics
CE 111 (3) Surveying
Phys 222 (5) Physics II
Math 267 (4) Diff. Eq w/ Laplace
SSH Elective (3) Econ 101 or 102
ConE 222 (3) Org & Mgmt
*must be basic program complete

Junior
EM 274 (3) Statics
Math or Stat Elective (3)
IE 305 (3) Eng. Econ. Analysis
ConE 241 (3) Constr. Mat & Meth
*must be basic program complete

Senior
EM 378 (3) Mech of Fluids
EM 324 (3) Mech of Mtls
SSH Elective (3) Psych 101/230/280 Or Soc 134
Stat 231 or 305 (3) Prob. & Stat. or Stat for Engineers
ConE 353 (3) Elec Sys for Bldgs
ConE 340 (3) Concrr & Steel
ConE 352 (3) Mech Sys/Bldgs
ConE 322 (3) Equip & Hvy Meth

Electives
CE 326 (3) Conf 490 (1-3)
CE 372 (4) EM 345 (3)
CE 446 (3) (alt S) EE 314 (3)
CE 448 (3) (alt S) MatE 273 (3)
CE 460 (3) Geol 201 (3) Fall only
ConE 354 (3)
ConE 381A (1) & ConE 481A (1) Fall only
Any CE 500-level course (except CE 594A)
CE 501 (3) (F only)
CE 502 (3) (S only)
CE 503 (3) (S only)
CE 505 (3) (F only)
CE 594L (3) (SS only)
CE 594G (3) (Alt S only)
CE 594P (3) (F only)
CE 594W (3) (Alt S only)
*Denotes Basic Program course
**See Catalog or Matrix for Approved Courses

Engineering Topics (3 CR)
CE 332 (3) Struct Analysis I
EM 327 (1) Mech of Mtls Lab
CE 360 (3) Soils Engr
Law Elective (3) Jr. Classification
ConE 340 (3) Concrr & Steel
ConE 441 (3) Plng, Sched, Ctrl

ConE 487 (3) Engr Design I
(w/in 2 semesters of graduation)
ConE 488 (3) Engr Design II
(w/in 2 semesters of graduation)
Bus. Comm. Elective (3)
(Jr. Class. & C or better)

Other Electives (9 CR)
__Math or Stat Elective** (3)
Math 265 or 207 or Stat 587

__Law Elective (3)
ConE 380 or Acct 215

__Business Communication (3)
Engl 302, 309, or 314