Construction Engineering Prerequisite Chart
Heavy/Highway Emphasis – 126 Credits
Catalog 2018 – 2019

Freshman
*Engr 101 (R) Orientation
*CE 160 (3) Prob Solving
*Math 165 (4) Calculus I (C- or better)
ConE 121 (1) Learning Community
*Chem 167 (4) General Chem. For Eng. (H.S. Prep or Math 143)
*Engl 150 (3) Crit. Think & Comm. (C or better)

Sophomore
CE 170 (2) Graphics
*Phys 221 (5) Physics I
*Math 166 (4) Calculus II (C- or better)
ConE 122 (1) Learning Community
*Lib 160 (1) Inform. Literacy
*Engl 250 (3) WOVE Comp. (C or better)

Junior
CE 111 (3) Surveying
Phys 222 (5) Physics II
Math or Stat Elective (3)
SSH Elective (3) Econ 101 or 102
ConE 241 (3) Constr. Mat & Meth (must be basic program complete)
ConE 222 (3) Org & Mgmt

Senior
EM 274 (3) Statics
Math 267 (4) Diff. Eq w/ Laplace
IE 305 (3) Eng. Econ. Analysis
ConE 251 (1) M/E Mat & Meth
Law Elective (3) (Jr. Classification)

ConE 322 (3) Equip & Hwy Meth
ConE 340 (3) Constr & Steel
ConE 422 (3) Estimating

Electives
List A
ConE 381A (1) (F only)
ConE 481A (1) (F only)
CE 355 (3)
CE 50S (3) (F only)
CE 594O (3) (Alt S only)
CE 594W (3) (Alt S only)
Geol 201 (3) (F only)
Any CE 500-level course (except CE 594A)

List B
CE 501 (3) (F only)
CE 502 (3) (S only)
CE 503 (3) (S only)
CE 372 (3)
CE 417 (3) (S only)
CE 460 (3)

Engineering Topics (6 CR)
Student must complete at least 3 credits from List A

ConE 382 (3) Design of PCC and Asphalt Pavement
ConE 387 (3) Engr Design I (w/in 2 semesters of graduation)
ConE 488 (3) Engr Design II (w/in 2 semesters of graduation)

Business Comm. Elective (3) (Jr. Class & C or better)

Other Electives (9 CR)
_Math or Statistics Elective (3 CR)
Math 265 or 207 or Stat 587
_Law Elective (3 CR)
ConE 380 or Acct 215
_Business Communication (3 CR)
Engl 302, 309 or 314

3/2019 af