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

Freshman
- *Engr 101 (R) Orientation
- *CE 160 (3) Prob Solving
- *Phys 221 (5) Physics I
- *Math 165 (4) Calculus I (C- or better)
- CE 170 (2) Graphics
- CE 111 (3) Surveying
- Math or Stat Elective (3)
- SSH Elective (3) Econ 101 or 102
- *Chem 167 (4) General Chem. For Eng. (H.S. Prep or Math 143)
- *Engl 150 (3) Crit. Think & Comm. (C or better)
- *Engl 250 (3) WOVE Comp. (C or better)

Sophomore
- EM 274 (3) Statics
- Math 267 (4) Diff. Eq w/ Laplace
- IE 305 (3) Eng. Econ. Analysis
- Stat 231 or 305 (3) Prob & Stat or Stat for Engineers
- ConE 122 (1) Learning Community
- ConE 222 (3) Constr. Mat & Meth (must be basic program complete)
- ConE 251 (1) M/E Mat & Meth

Junior
- EM 324 (3) Mech of Mats
- EE 201 (4) Electric Circuits
- EE 230 (4) Circuits & Systems
- EE 303 (3) Energy Sys & Pwr
- Law Elective (3) (Jr. Classification)
- ConE 352 (3) Mech Sys for Bldgs
- ConE 353 (3) Elec Sys for Bldgs
- ConE 241 (3) Constr. Mat & Meth
- SSH Elective (3) Psych 101/230/280 Or Soc 134

Senior
- CE 332 (3) Struc Analysis I
- EE 456 (3) Pwr Sys Analysis I (Fall Only)
- SSH Elective (3) International Perspective**
- EE 457 (3) Pwr Sys Analysis II (Spring Only)
- Engineering Topics Elective (3)
- ConE 441 (3) Pinng, Sched, Cntrl
- 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)
- Conf 422 (3) Estimating

Engineering Topics (3 CR)
ConE 354 (3)
Any EE 300- or 400-level course
Any CE 500-level course (except CE 594A)

Other Electives (9 CR)
- Math or Stat Elective (3 CR)
  Math 265 or 207 or Stat 415
- Law Elective (3 CR)
  ConE 380 or Acct 215
- Business Communication (3 CR)
  Engl 302, 309 or 314

Electives
- 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 5940 (3) (S only)
- CE 594P (3) (S only)

*Denotes Basic Program course
**See Catalog or Matrix for Approved Courses

3/2018 js