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

Freshman

- *Engr 101 (R) Orientation
- *CE 160 (3) Prob Solving
- *Math 165 (4) Calculus I (C- or better)
- *Chem 167 (4) General Chem. For Eng. (H.S. Prep or Math 143)
- *Engl 150 (3) Crit. Think & Comm. (C- or better)
- *ENGR 110 (3) Int. Eng. Liter.

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

- Senior

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

- Sophomore

- EM 274 (3) Statics
- Math 267 (4) Diff. Eq w/ Laplace
- IE 305 (3) Eng. Econ. Analysis
- ConE 241 (3) Constr. Mat & Meth (must be basic program complete)
- ConE 251 (1) M/E Mat & Meth

- Juniors

- EM 324 (3) Mech of Mats
- EE 201 (4) Electric Circuits
- Stat 231 or 305 (3) Prob & Stat or Stat for Engineers
- ConE 353 (3) Elec Sys for Bldgs
- ConE 352 (3) Mech Sys for Bldgs

- Junior

- EM 378 (3) Mech of Fluids
- EE 230 (4) Circuits & Systems
- EE 303 (3) Energy Sys & Pwr
- Law Elective (3) (Jr. Classification)
- 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) US Diversity**
- Engineering Topics Elective (3)
- ConE 441 (3) Pntg, Sched, Cntrl

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

Electives

- Engineering Topics (3 CR)
  ConE 354 (3)
  Any EE 300- or 400-level course
  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 594O (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

Other Electives (9 CR)

- Math or Stat 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