Construction Engineering Prerequisite Chart
Mechanical Emphasis – 127 Credits
Catalog 2019 – 2020

Freshman
- *Engr 101 *Orientation
- *CE 160 (3) Prob Solving
- *Math 165 (4) Calculus I (C- or better)
- *Math 166 (4) Calculus II (C- or better)
- *Phys 221 (5) Physics I
- *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
- *Math 166 (4) Calculus II (C- or better)
- *Phys 221 (5) Physics I
- *ConE 122 (1) Learning Community
- *Lib 160 (1) Inform. Literacy
- *Engl 250 (3) WOVE Comp. (C or better)

Junior
- CE 111 (3) Surveying
- Math/Stat Elective (3)
- SSH Elective (3)
- IE 305 (3) Eng. Econ. Analysis
- Phys 222 (5) Physics II
- ConE 222 (3) Org & Mgmt (must be basic program complete)

Junior
- EM 274 (3) Statics
- Math 267 (4) Diff. Eq w/ Laplace
- Stat 231 or 305 (3) Prob & Stat or Stat for Engineers
- ME 231 (3) Engr Thermo
- ConE 241 (3) Constr. Mat & Meth (must be basic program complete)
- ConE 251 (1) M/E Mat & Meth

Junior
- EM 324 (3) Mech of Mats
- SSH Elective (3) Psych 101/230/280 Or Soc 134
- Stat 231 or 305 (3) Prob & Stat or Stat for Engineers
- ME 231 (3) Engr Thermo
- ConE 243 (3) Constr. Mat & Meth (must be basic program complete)
- ConE 253 (3) M/E Mat & Meth

Senior
- CE 332 (3) Struc Analysis I
- EM 378 (3) Mech of Fluids
- EE 442 (2) Circ, Inst & Elec
- EE 448 (2) Circuits & Systems
- Law Elective (3) (Jr. Classification)
- SSH Elective (3) US Diversity**

Senior
- ME 442 (3) Fund of HVAC (Fall Only)
- SSH Elective (3) International Perspective**
- ConE 487 (3) (w/in 2 Semesters of Graduation) Engr Design I
- ConE 488 (3) (w/in 2 Semesters of Graduation) Engr Design II
- ConE 489 (2) Estimating
- Bus. Comm. Elective (3) (Jr. Class. & C or Better)

Electives
- ConE 354 (3)
- Any ME 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 594Q (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
***ME 436 shows pre-req of EM 378 due to the department waive of ME 335

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 CR)
- Engl 302, 309, or 314