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

**Freshman**
- *Engr 101*  
  *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)  
- CE 170 (2)  
  Graphics  
- *Math 166(4)*  
  Calculus II (C- or better)  
- *Lib 160 (1)*  
  Inform. Literacy  
- *Engl 250 (3)*  
  WOVE Comp. (C or better)

**Sophomore**
- 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)  
  Constr. Mat & Meth  (must be basic program complete)  
- ConE 241 (3)  
  Constr. Mat & Meth  (must be basic program complete)  
- ConE 251 (1)  
  M/E Mat & Meth

**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 353 (3)  
  Elec Sys for Bldgs  
- ConE 352 (3)  
  Mech Sys for Bldgs  
- SSH Elective (3)  
  US Diversity**

**Senior**
- ME 441 (3)  
  Fund of HVAC  
  (Fall Only)  
- ME 442 (3)  
  Htg & AC Design  
  (Spring Only)  
- SSH Elective (3)  
  International Perspective**  
- Engineering Topics Elective  
  (3)  
- ConE 447 (3)  
  (w/in 2 Semesters of Graduation)  
  Engr Design I  
- ConE 487 (3)  
  (w/in 2 Semesters of Graduation)  
  Engr Design II  
- Bus. Comm. Elective  
  (3)  
  (Jr. Class. & C or Better)

**Engineering Topics (3 CR)**
- 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 594O (3)  
  (Alt S only)  
  CE 594P (3)  
  (F only)  
  CE 594W (3)  
  (Alt S only)

**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

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*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

3/2019 af