### Construction Engineering Prerequisite Chart
#### Mechanical Emphasis – 127 Credits

**Catalog 2018 – 2019**

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### Freshmen

- **Engr 101** Orientation
- **CE 170** (2) Graphics
- **CE 111** (3) Surveying
- **Math Elective (3)**
- **Math 164** (4) Calculus II (C or better)
- **Phys 221** (5) Physics I

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### Sophomores

- **EM 274** (3) Statics
- **Math 267** (4) Diff. Eq w/Laplace
- **SSH Elective (3)**
- **IE 305** (3) Eng. Econ. Analysis
- **ConE 122** (1) Learning Community
- **ConE 211** (1) Learning Community

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### Juniors

- **EM 324** (3) Mech of Matls
- **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
- **ME 232** (3) Fluids
- **EE Elective (3)**

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### Seniors

- **ME 441** (3) Fund of HVAC (Fall Only)
- **ME 442** (3) Htg & AC Design (Spring Only)
- **Engineering Topics Elective (3)**
- **ConE 441** (3) Plng, Sched, Cntrl
- **ConE 487** (3) (w/in 2 Semesters of Graduation) Engr Design I
- **ConE 488** (3) (w/in 2 Semesters of Graduation) Engr Design II
- **Business Comm. Elective (3)** (Jr. Class. & C or Better)

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### Electives

- **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

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3/2019 af