

1 Fall	1 Spring	2 Fall	2 Spring	3 Fall	3 Spring	4 Fall	4 Spring
ConE 121 (1) Learning Community	ConE 122 (1) Learning Community	ConE 222 (3) Contr Org & Mgmt of Constr	ConE 241 (3) Constr Mat & Meth	ConE 352 (3) Mech Sys in Bldgs	Law Elective (3) ConE 380 or Acct 215	ConE 422 <sup>4</sup> (3) Constr Estimating & Cost Engr	ConE 487 (3) Constr Engr Design I
*CE 160 (3) Eng Prob w/Comp Lab	CE 170 (2) Graphics for Civil Engineers	CE 111 (3) Fund of Surveying I	ConE 251 (1) M/E Materials and Methods	ConE 353 (3) Elec Sys in Bldgs	EE 442 (2) Circuits, Instruments and Electronics	ConE 441 <sup>4</sup> (3) Constr Plng, Sch & Cont	ConE 488 (3) Constr Engr Design II
*Math 165 (4) Calculus I	*Math 166 (4) Calculus II	Math/Stat Elective <sup>2</sup> (3)	Math 267 (4) Elem Differential Eqn & Laplace	Statistics (3) 231 Prob & Stat for Engineers OR 305 Engr Statistics	EE 448 (2) Intro to AC Circuits & Motors	ME 436 <sup>4</sup> (4) Heat Transfer	ME 442 (3) Htg & Air Cond Design (Spring only)
*Chem 167 (4) Gen Chem for Eng Students	*Phys 221 (5) Intro to Classical Physics I	Phys 222 (5) Intro to Classical Physics II	EM 274 <sup>4</sup> (3) Statics of Engr	EM 324 <sup>4</sup> (3) Mech of Matls	CE 332 <sup>4</sup> (3) Struc Analysis I	ME 441 <sup>4</sup> (3) Fund of HVAC (Fall only)	Bus Comm <sup>1</sup> (3) Elective Engr 302/309/314
*Engl 150 <sup>1</sup> (3) Critical Thinking & Communication	*Engl 250 <sup>1</sup> (3) WOVE Communication	SSH Elective Econ 101 or 102 (3)	IE 305 (3) Engineering Economic Analysis	ME 231 <sup>4</sup> (3) Engineering Thermodynamics	EM 378 <sup>4</sup> (3) Mech of Fluids	Engr Topics Elective <sup>3</sup> (3)	SSH Elective International Perspective (3)
*Engr 101 (R) Engineering Orientation	*Lib 160 (1) Libr Instr			SSH Elective (3) Psych 101/230/280 Soc 134	SSH Elective (3) US Diversity		
(15)	(16)	(17)	(14)	(18)	(16)	(16)	(15)

**Transfer Grade Requirements:**  
 The department requires a grade of C or better for any transfer credit course that is applied to the degree program.

1) Minimum grade ENGL courses: C in each

\*Denotes Basic Program Courses

2) **Math or Statistics Elective**

Math 265 (4)  
 Math 207 (3)  
 Stat 587 (4)

3) **Engineering Topics Electives**  
 3 Credits Required for Mechanical Emphasis

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)

4) **Mechanical Emphasis Core Courses**

Core Classes Require a MINIMUM Cumulative 2.00 GPA

EM 274 (3)  
 EM 324 (3)  
 EM 378 (3)  
 ConE 422 (3)  
 ConE 441 (3)  
 ME 231 (3)  
 ME 436 (4)  
 ME 441 (3)  
 CE 332 (3)

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**Total credits required, undergraduate program:  
 Mechanical Emphasis 127**