

Construction Engineering
COURSE MATRIX 2016-2017 General Catalog

Mechanical Emphasis
125 Credits

SAMPLE

1 Fall	1 Spring	2 Fall	2 Spring	3 Fall	3 Spring	4 Fall	4 Spring
*Engr 101 (R) Engineering Orientation	CE 170 (2) Graphics for Civil Engineers	ConE 222 (3) Contr Org & Mgmt of Constr	ConE 241 (3) Constr Mat & Meth	ME 231 ³ (3) Engineering Thermodynamics	Law Elective (3) ConE 380 or Acct 215	ConE 422 ³ (3) Constr Estimating & Cost Engr	ConE 487 (3) Constr Engr Design I
*CE 160 (3) Eng Prob w/Comp Lab	*Math 166 (4) Calculus II	CE 111 (3) Fund of Surveying I	ConE 251 (1) M/E Materials and Methods	ConE 352 (3) Mech Sys in Bldgs	EE 442 (2) Circuits, Instruments and Electronics	ConE 441 ³ (3) Constr Plng, Sch & Cont	ConE 488 (3) Constr Engr Design II
*Math 165 (4) Calculus I	*Phys 221 (5) Intro to Classical Physics I	Math 265 (4) Calculus III	Math 267 (4) Differential Eqn	ConE 353 (3) Elec Sys in Bldgs	EM 378 ³ (3) Mech of Fluids	ME 436 ³ (4) Heat Transfer	ME 442 (3) Htg & Air Cond Design Spring only
*Chem 167 (4) Gen Chem for Eng Students	*Engl 250 ¹ (3) WOVE Communication	Phys 222 (5) Intro to Classical Physics II	EM 274 ³ (3) Statics of Engr	EM 324 ³ (3) Mech of Matls	CE 332 ³ (3) Struc Analysis I	ME 441 ³ (3) Fund of HVAC Fall only	Bus Comm ¹ (3) Elective Engl 302/309/314
*Engl 150 ¹ (3) Critical Thinking & Communication	ConE 122 (1) Learning Community		SSH Elective (3) Psych 101/230/280 Soc 134	IE 305 (3) Engineering Economic Analysis	SSH Elective (3) International Perspective	SSH Elective (3) Econ 101 or 102	
ConE 121 (1) Learning Community	*Lib 160 (1) Libr Instr		Stat 105 (3) Statistics for Engineers	SSH Elective (3) US Diversity	EE 448 (2) Intro to AC Circuits & Motors		
(15)	(16)	(15)	(17)	(18)	(16)	(16)	(12)

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 Course**

3) Mechanical Emphasis Core Courses

Mechanical 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)

Total credits required, undergraduate program:
Mechanical Emphasis 125