

Construction Engineering
COURSE MATRIX 2013-2014 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	ConE 487 (3) Constr Engrg 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 Engrg Design II
*Math 165 (4) Calculus I	*Phys 221 (5) Intro to Classical Physics I	Math 265 ² (4) Calculus III	Math 267 (4) Elem 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	Elective ¹ (3) Bus Comm 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			Stat 105 (3) Statistics for Engineers	SSH Elective (3) US Diversity	EE 448 (2) Intro to AC Circuits & Motors		
*Lib 160 (1) Libr Instr							
(16)	(15)	(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**

2) Math or Statistics Elective

Math 265 (4)

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)
28

Total credits required, undergraduate program:
Mechanical Emphasis 125

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