

Construction Engineering
COURSE MATRIX 2012-2013 General Catalog

Electrical Emphasis
128 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	Stat 105 (3) Statistics for Engineers	ConE 352 (3) Mech Sys in Bldgs	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	ME 231 ³ (3) Engineering Thermodynamics	ConE 353 (3) Elec Sys in Bldgs	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	EM 378 ³ (3) Mech of Fluids	Law Elective (3) ConE 380 or Acct 215	EE 456 ³ (3) Pwr Sys Analysis I	EE 457 (3) Pwr Sys Analysis II
*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	SSH Elective (3) International Perspective	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	EE 230 (4) Circ & Systems in Electronics	EE 303 ³ (3) Energy Sys & Pwr Elec	SSH Elective (3) Econ 101 or 102	SSH Elective (3) US Diversity
ConE 121 (1) Learning Community			EE 201 (4) Electric Circuits		IE 305 (3) Engineering Economic Analysis		
*Lib 160 (1) Libr Instr							
(16)	(15)	(15)	(18)	(16)	(18)	(15)	(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 Course

2) **Math or Statistics Elective**

Math 265 (4)

3) **Electrical Emphasis Core Courses**

Electrical 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)
EE 303 (3)
CE 332 (3)
EE 456 (3)

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Total credits required, undergraduate program:
Electrical Emphasis 128

Revised 5/24/12 km

