

Construction Engineering
COURSE MATRIX 2018-2019 General Catalog

Electrical Emphasis
127 Credits

SAMPLE

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 ⁴ (3) Constr Estimating & Cost Engr	ConE 487 (3) Constr Engrg 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 230 ⁴ (4) Circ & Systems in Electronics	ConE 441 ⁴ (3) Constr Plng, Sch & Cont	ConE 488 (3) Constr Engrg Design II
*Math 165 (4) Calculus I	*Math 166 (4) Calculus II	Math or Stat ² (3) Elective	Math 267 (4) Elem Differential Eqn & Laplace	Statistics (3) 231 Prob & Stat for Engineers OR 305 Engr Statistics	EE 303 ⁴ (3) Energy Sys & Pwr Elec	EE 456 ⁴ (3) Pwr Sys Analysis I (Fall only)	EE 457 (3) Pwr Sys Analysis II (Spring only)
*Chem 167 (4) Gen Chem for Eng Students	*Phys 221 (5) Intro to Classical Physics I	Physics 222 (5) Intro to Classical Physics II	EM 274 ⁴ (3) Statics of Engr	EM 324 ⁴ (3) Mech of Matls	EM 378 ⁴ (3) Mech of Fluids	CE 332 ⁴ (3) Struc Analysis I	Bus Comm ¹ (3) Elective Engl 302/309/314
*Engl 150 ¹ (3) Critical Thinking & Communication	*Engl 250 ¹ (3) WOVE Communication	SSH Elective (3) Econ 101 or 102	IE 305 (3) Engineering Economic Analysis	EE 201 (4) Electric Circuits	SSH Elective (3) Psych 101/230/280 Soc 134	Engr Topics (3) Elec ³	SSH Elective (3) International Perspective
*Engr 101 (R) Engineering Orientation	*Lib 160 (1) Libr Instr					SSH Elective (3) US Diversity	
(15)	(16)	(17)	(14)	(16)	(16)	(18)	(15)
<u>Transfer Grade Requirements:</u> The department requires a grade of C or better for <u>any</u> 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 415 (4)	EE 201: To add this course take an ADD slip directly to the EE advising office (2205 Coover Hall). 3) Engineering Topics Elective 3 Credits Required for Electrical Emphasis ConE 354 (3) Any EE 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) (S only) • CE 594P (3) (F only)			4) Electrical 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) EE 230 (4) EE 303 (3) CE 332 (3) EE 456 (3) 28 Total credits required, undergraduate program: Electrical Emphasis 127	