



## Civil Concentration Guideline

### FIRST YEAR

<u>FALL</u>		<u>SPRING</u>	
CHEM 105 Chemistry	4	MATH 112 Calculus II	4
MATH 111 Calculus I	4	PHYS 211 General Physics I	4
ENGR 102 Intro to Engineering	2	ENGR 101 Engineering Graphics	2
IDFY 101 First Year Seminar	3	ENGR 236 Circuit I	4
General Education	3	IDCR 151 Created & Called for Community	3
	<hr style="width: 50%; margin: 0 auto;"/> 16		<hr style="width: 50%; margin: 0 auto;"/> 17

### SECOND YEAR

<u>FALL</u>		<u>SPRING</u>	
MATH 211 Calculus III	4	MATH 308 Differential Equations	3
MATH 261 Linear Algebra	3	ENGR 201 Group Orientation	1
PHYS 212 General Physics II	4	ENGR 232 Engineering Dynamics	3
ENGR 231 Engineering Statics	3	ENGR 242 Experimental Methods	3
General Education	3	ENGR 254 Materials Engineering	4
	<hr style="width: 50%; margin: 0 auto;"/> 17	General Education	<hr style="width: 50%; margin: 0 auto;"/> 3
			17

### THIRD YEAR

<u>FALL</u>		<u>SPRING</u>	
ENGR 288 Project I	1	ENGR 290 Engineering Economics	2
ENGR 301 Seminar I	1	ENGR 302 Seminar II	1
ENGR 321 Environmental Engineering	4	ENGR 351 Structural Analysis	3
ENGR 333 Mechanics of Materials	3	ENGR 372 Fluid Mechanics	4
ENGR 371 Thermodynamics	3	ENGR 388 Project II	1
PHED 101 Introduction to Wellness	2	General Education	<hr style="width: 50%; margin: 0 auto;"/> 6
General Education	3		17
	<hr style="width: 50%; margin: 0 auto;"/> 17		

### FOURTH YEAR

<u>FALL</u>		<u>SPRING</u>	
ENGR 352 Structural Design	4	ENGR xxx Civil Engineering Elective*	3
ENGR xxx Civil Engineering Elective*	3	ENGR 489 Project IV	2
ENGR 488 Project III	2	Physical Fitness	1
General Education	6	General Education	<hr style="width: 50%; margin: 0 auto;"/> 9
	<hr style="width: 50%; margin: 0 auto;"/> 15		15

Total Credits: 131

\* Civil Concentration Electives:

- ENGR 322 Water Resources Engineering
- ENGR 355 Soil Mechanics and Foundation Design or ENGR 358 Construction Engineer Management
- ENGR 357 Introduction to Traffic Engineering