

## Environmental Concentration Guideline

### FIRST YEAR

<u>FALL</u>		<u>SPRING</u>	
ENGR 102 Intro to Engineering	2	ENGR 236 Circuits I	4
CHEM 105 Chemistry	4	MATH 112 Calculus II	4
MATH 111 Calculus I	4	PHYS 211 General Physics I	4
IDFY 101 First Year Seminar	3	IDCR 151 Created & Called for Community	3
General Education	3	General Education	3
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### SECOND YEAR

<u>FALL</u>		<u>SPRING</u>	
MATH 211 Calculus III	4	ENGR 101 Engineering Graphics	2
MATH 261 Linear Algebra	3	ENGR 201 Group Orientation	1
PHYS 212 General Physics II	4	ENGR 242 Experimental Methods	3
ENGR 231 Engineering Statics	3	ENGR 254 Materials Engineering	4
General Education	3	ENGR 333 Mechanics of Materials	3
	<hr style="width: 50%; margin: 0 auto;"/> 17	General Education	3
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### THIRD YEAR

<u>FALL</u>		<u>SPRING</u>	
ENGR 232 Engineering Dynamics	3	ENGR 290 Engineering Economics	2
ENGR 288 Project I	1	ENGR 302 Seminar II	1
ENGR 301 Seminar I	1	ENGR 372 Fluid Mechanics	4
ENGR 321 Environmental Engineering <sup>4</sup>	3	ENGR 388 Project II	1
ENGR 371 Thermodynamics	3	GIS 245 Intro. Geo. Info. Sys.-or-Gen.Ed. <sup>3</sup>	3
BIOL 160 Molecular and Cell Biology <sup>2</sup>	4	MATH 308 Differential Equations	3
PHED 101 Introduction to Wellness	2	General Education	3
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### FOURTH YEAR

<u>FALL</u>		<u>SPRING</u>	
ENGR 440 Environmental Hydrology <sup>4</sup>	3	ENGR 366 Control Systems	4
ENGR 488 Project III	2	ENGR 489 Project IV	2
Environmental Gen. Ed. Elective <sup>1</sup>	3	GIS 245 Intro. Geo. Info. Sys.-or-Gen.Ed. <sup>3</sup>	3
Physical Fitness	1	General Education	6
General Education	6		<hr style="width: 50%; margin: 0 auto;"/> 15
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Total Credits: 131

<sup>1</sup>Environmental General Education Elective: Either BIOL315 Environmental Ethics (meets Gen. Ed. ethics requirement) or ECON117 Issues in Environmental Economics (meets Gen. Ed. social science requirement).

<sup>2</sup>Students may take BIOL160 (typically Fall) or BIOL162 (typically Spring).

<sup>3</sup>GIS245 is offered alternate year (offered Spring 2016) and should be taken in either the third or fourth year.

<sup>4</sup>ENGR321 (offered Fall 2014) and ENGR440 (offered Fall 2015) are offered alternate years and should be taken in either the third or fourth year.