

# Bachelor of Science in Engineering Environmental Concentration

Course #
Course Name
Prerequisite
Semester Taken

1st-fall	2nd	3rd	4th
1st-spring	2nd	3rd	4th

## Pre-Engineering (46 cr.)

<b>MATH 111</b> Calculus I (F,S)	<b>MATH 112</b> Calculus II (F,S) <i>MATH 111</i>	<b>MATH 211</b> Calculus III (F,S) <i>MATH 112</i>	<b>MATH 261</b> Linear Algebra (F,S) <i>MATH 112</i>	<b>MATH 308</b> Diff. Equations (F,S) <i>MATH 211</i>	<b>PHYS 211</b> Gen. Physics I (S) <i>MATH 111</i>	<b>PHYS 212</b> Gen. Physics II (F) <i>PHYS 211</i>
<b>CHEM 105</b> Gen. Chemistry I (F)	<b>ENGR 101</b> Engr. Graphics (J)	<b>ENGR 102</b> Intro. to Engr. (F)	<b>ENGR 201</b> Group Orien. (S) <i>ENGR 102</i>	<b>ENGR 231</b> Statics (F) <i>PHYS 211</i>	<b>ENGR 236</b> Circuits I (F,S) <i>MATH 111</i>	<b>ENGR 254</b> Materials Engr. (S) <i>MATH 211/OPI</i>

## Upper Division Engineering (14 cr.)

<b>ENGR 288</b> Project I (F) <i>ENGR 201</i>	<b>ENGR 290</b> Engr. Economics (J) <i>UD Standing</i>	<b>ENGR 301</b> Seminar I (F,S) <i>Adm. to Major</i>	<b>ENGR 302</b> Seminar II (F,S) <i>ENGR 301</i>	<b>ENGR 366</b> Control Systems (F) <i>MATH 308</i>	<b>ENGR 388</b> Project II (S) <i>ENGR 288</i>	<b>ENGR 488</b> Project III (F) <i>ENGR 388</i>
<b>ENGR 489</b> Project IV (S) <i>ENGR 488</i>						

## Environmental Concentration (28-29 cr.)

<b>ENGR 232</b> Engr. Dynamics (F) <i>E231/P211</i>	<b>ENGR 242</b> Exp. Methods (F,S) <i>PHYS 211</i>	<b>ENGR 321 or 440</b> Envr. Engineering or Envr. Hydrology (F) <i>alternating</i>	<b>ENGR 321 or 440</b> Envr. Engineering or Envr. Hydrology (F) <i>alternating</i>	<b>ENGR 333</b> Mechanics of Mat. (F,S) <i>M211/E231/OPI</i>	<b>ENGR 371</b> Thermodynamics (F) <i>M211/P212/OPI</i>	<b>ENGR 372</b> Fluid Mechanics (S) <i>M211/E232</i>
<b>BIOL 160 or 162</b> Molecular/Cell Biol. or Plant Form Func.	<b>GIS 245</b> Geographic Info Sys. <i>Spring Even Years</i>	<b><sup>1</sup>ENVR Elective</b> BIOL315 or ECON117 <i>meets Gen Ed requirement</i>				

## General Education (41-42 cr.)

<b>IDFY 101</b> First Year Seminar	Oral Communication	<b>IDCR 151</b> Created & Called	Social Sci./History	History	Literature	<b>PHED 101</b> Intro. to Wellness
Physical Fitness	Philosophy and Religion	Language I	Language II	Non-West./Cross Cult.	Bible	Christian Beliefs
Ethics/W.View/Pluralism	Writing Enriched					

### Environmental Gen. Ed. Electives

<sup>1</sup>BIOL 315 Environmental Ethics (meets Gen. Ed. ethics requirement) OR ECON 117 Issues in Environmental Economics (meets Gen. Ed. social science requirement)