

**Environmental Engineering Flowchart**  
**Colorado State University**                      **Effective Fall 2011**

Prerequisites and (co-requisites) are shown above the class. Electives require department approval.  
*This flowchart is provided as a guide only. Programs of study, course offerings and prerequisites can change during the year and the CSU catalog is the source of official information.*

<b>Freshman</b>	<b>Fall</b>	CIVE 102 - 3 F Intro CE/Env Engr			MATH124 MATH126 MATH 160 - 4 Calculus I	(MATH 160) PH 141 - 5 Physics I	Arts & Humanities - 3	<b>15</b>	
	<b>Spring</b>	CIVE 102 CIVE 103 - 3 S Eng Graphics & Comp		COMP 150 - 3 College Comp	MATH 124 MATH160 MATH 161 - 4 Calculus II	PH 141 (MATH161) PH 142 - 5 Physics II	Arts & Humanities - 3	<b>18</b>	
<b>Sophomore</b>	<b>Fall</b>	CIVE 103 (MATH 160) CIVE 202 - 3 F Num Mod & Risk Anal	MATH 160 (PH 141) CIVE 260 - 3 F,S,SM Engr Statics		MATH 161 MATH 261 - 4 Calculus III	(CHEM 111) CHEM 111 - 4 Gen Chem I	CHEM 112 - 1 Gen Chem Lab	MATH 117, MATH 118 or MATH 160 ECON 202 - 3 Prin of Microecon	<b>18</b>
	<b>Spring</b>	CIVE 202 CIVE 203 - 3 S Engr Sys & Dec Anal.	CIVE 260 CIVE 261 - 3 F,S,SM Engr Dynamics	CIVE 260 CIVE 360 - 3 F,S,SM Mech of Materials	MATH 160 PH 141 MECH 237 - 3 S,SM Intro Thermal Sci	CHEM 111 CHEM 113 - 3 Gen Chem II	CHEM 112 (CHEM 113) CHEM 114 -1 Gen Chem Lab II		<b>16</b>
<b>Junior</b>	<b>Fall</b>	CIVE 261 (MECH 237) (MATH 340) CIVE 300 - 4 F,S Fluid Mech			MATH261 MATH 340 - 4 Diff Equations	CHEM 113 CHEM 245 - 4 Organic Chem	LIFE 102 - 4 Living Systems		<b>16</b>
	<b>Spring</b>	CBE 331 or CIVE 300 or WR 416; CIVE 202 or STAT 301 or STAT 315 ENVE 322 - 3 F,S Basic Hydrology	CBE 331 or CIVE 300 or MECH 342; CHEM 113 ENVE 438 - 3 F,S Pollution Control	(CIVE 440) or (CIVE/ENVE 438) ENVE 441 - 3 S Env Engr Lab			Global & Cultural Awareness - 3	CIVE 300 CIVE 401 - 3 F,S Hydraulic Engr	<b>15</b>
<b>Senior</b>	<b>Fall</b>	CIVE 300;CIVE 303 or CHEM 245 CIVE 402 - 3 F Senior Design	CHEM 113 MATH 340 CIVE 439 - 3 F Env Engr Chem Con	CHEM 245 ERHS 446 - 3 F Env Toxicology	Tech Elective - 3	LIFE 102 (CHEM 245) MIP 300 - 3 Gen Microbiology			<b>15</b>
	<b>Spring</b>	CIVE 402 CIVE 403 - 3 S Sen Proj Design	CBE 331 or CIVE 300 or SOCR 240 CIVE 425 - 3 S Soil & Water Engr	Engineering Technical Elective -3	Tech Elective - 2	Advanced Writing - 3	Historical Perspectives - 3		<b>17</b>
								<b>TOTAL</b>	<b>130</b>