

**Civil Engineering Flowchart**

**Colorado State University      Effective Fall 2009**

Prerequisites and (co-requisites) are shown above the class. Electives require department approval.

<b>Freshman</b>	<b>Fall</b>	CIVE 102 - 3 F Intro: CIVE/EV Eng			MATH126 (MATH124) MATH 160 - 4 Calculus I	(MATH 160) PH 141 - 5 Physics I		Arts & Humanities - 3	15
	<b>Spring</b>	CIVE 102 CIVE 103 - 3 S Eng Graphics & Comp			MATH 160 MATH 161 - 4 Calculus II	PH 141 (MATH161) PH 142 - 5 Physics II	Soc/Behavioral Science - 3	COMP 150 - 3 College Comp	18
<b>Sophomore</b>	<b>Fall</b>	CIVE 103 CIVE 202 - 3 F Num Mod & Risk	MATH 160 (PH 141) CIVE 260 - 3 F,S,SM Engr Statics		MATH 161 MATH 261 - 4 Calculus III	MATH 117 CHEM 111 - 4 Gen Chem I	(CHEM 111) CHEM 112 - 1 Gen Chem Lab	Arts & Humanities - 3	18
	<b>Spring</b>	CIVE 202 CIVE 203 - 3 S Eng Sys & Decision	CIVE 260 CIVE 261 - 3 F,S,SM Engr Dynamics	CIVE 260 CIVE 360 - 3 F,S,SM Mech/Materials	PH 141 MECH 237 - 3 S,SM Intro Thermal Sci	CHEM 111 CHEM 113 - 3 Gen Chem II			15
<b>Junior</b>	<b>Fall</b>	CIVE 203 CIVE 360 CHEM 111 CIVE 302 - 3 F Eval CIVE Materials	CIVE 261 (MECH 237) (MATH 340) CIVE 300 - 4 F,S Fluid Mech	CIVE 360 CIVE 367 - 3 F,S Structural Analy	MATH 261 MATH 340 - 4 Diff Equations	Advanced Writing - 3			17
	<b>Spring</b>	CIVE 302 CIVE 303 - 3 S Infrastr & Trans	CIVE 300 CIVE 202 CIVE 322 - 3 F,S Basic Hydrology		CIVE 360 CIVE 355 - 4 S Geotech Engr	CIVE 367 CIVE 466 - 3 S Steel Design	MATH 161 PH 142 ECE 204 - 3 S,SM Intro to Elec Engr		16
<b>Senior</b>	<b>Fall</b>	CIVE 303 or CIVE/ENVE 322 CIVE 402 - 3 F Sen Design Prin	CIVE 300 CHEM 113 CIVE 438 - 3 F,S Pollution Control		CIVE 367 CIVE 467 - 3 F Concrete Design		Science Tech Elective - 3	Global & Cultural Awareness - 3	15
	<b>Spring</b>	CIVE 402 CIVE 403 - 3 S Sen Proj Design	CIVE 300 CIVE 401 - 3 S Hydraulic Engr		Tech Elective - 4	Historical Perspectives - 3	Engineer Tech Elective - 3		16

**TOTAL      130**