

### Civil Engineering Flowchart

**Colorado State University      Effective Fall 2018**

Prerequisites and (co-requisites) are shown above the class. Technical 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.

11/8/2019

<b>Freshman</b>	<b>Fall</b>	CIVE 102 - 3 F Intro: CIVE/EV Eng		MATH 160 - 4 Calculus I	PH 141 - 5 Physics I		CO 150 - 3 College Comp	<b>15</b>	
	<b>Spring</b>	CIVE 102 or ENGR 101 CIVE 103 - 3 S Eng Graphics & Comp	MATH 124 MATH 160 MATH 161 - 4 Calculus II			MATH 118 CHEM 105 CHEM 111 - 4 Gen Chem I	(CHEM 111) CHEM 112 - 1 Gen Chem Lab	Historical Perspectives - 3	<b>15</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 113 - 3 Gen Chem II		Soc/Behavioral Science - 3	<b>16</b>	
	<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/Solids	MATH 160 PH 141 MECH 237 - 3 S Intro Thermal Sci	Science Tech Elec - 3	Arts & Humanities - 3	<b>18</b>	
<b>Junior</b>	<b>Fall</b>	CIVE 360 CHEM 111 CIVE 302 - 3 F Eval CIVE Materials	CIVE 261 (MECH 237) (MATH 340) CIVE 300 - 3 F,S Fluid Mech	(CIVE 300) CIVE 301 - 1 F,S Fluid Mech Lab	MATH 261 MATH 340 - 4 Diff Equations	CIVE 360 CIVE 367 - 3 F,S Structural Anal	Advanced Writing - 3	<b>17</b>	
	<b>Spring</b>	CIVE 260 CIVE 303 - 3 S Infrastr & Trans	CBE 331 or CIVE 300 or WR 416; CIVE 203 or STAT 301 or STAT 315 CIVE 322 - 3 F,S Basic Hydrology	CIVE 360 CIVE 355 - 3 F,S Geotech Engr	(CIVE 355) CIVE 356 - 1 F,S Geotech Engr Lab	CIVE 367 CIVE 467 - 3 F,S Concrete Design	Arts & Humanities - 3	<b>16</b>	
<b>Senior</b>	<b>Fall</b>	CIVE 300;CIVE 303 or CHEM 245 CIVE 402 - 3 F Sen Design Prin	CIVE 300 CIVE 401 - 3 F,S Hydraulic Engr	Engineer Tech Elective - 3	Tech Elective - 3	CIVE 367 CIVE 466 - 3 F,S Steel Design	Global & Cultural Awareness - 3	<b>18</b>	
	<b>Spring</b>	CIVE 402 CIVE 403 - 3 S Sen Proj Design	CBE: 551 or CIVE 300 or MECH 342; CHEM 113 CIVE 438 - 3 F,S Env Engr Concepts	Engineer Tech Elective - 3	Engineer Tech Elective - 3	Tech Elective - 3		<b>15</b>	
		<b>Overall GPA</b>	<b>0.000</b>					<b>TOTAL</b>	<b>130</b>
		<b>M/S/E GPA</b>	<b>0.000</b>						