

Civil Engineering Flowchart

Colorado State University Effective Fall 2022

Prerequisites and (co-requisites) are shown above the class. Some technical electives may 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. Along with your personal Degree Audit.

7/11/2022

Freshman	Fall	CIVE 102 - 3 F Intro CE/Env Eng		MATH124 (B or higher) MATH126 (B or higher) MATH 160 - 4 Calculus I	(MATH 160) or (MATH 159) PH 141 - 5 Physics I		CO 150 - 3 College Comp	15	
	Spring	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	Soc/Behavioral Science - 3	15	
Sophomore	Fall	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		Arts & Humanities - 3	16	
	Spring	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	Advanced Writing - 3	18	
Junior	Fall	CIVE 360 CHEM 111 CIVE 302 - 3 F Eval CE Materials	CIVE 261 (MECH 237) (MATH 340) CIVE 300 - 3 F,S,SM 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	Diversity, Equity & Inclusion - 3	17	
	Spring	CIVE 260 CIVE 303 - 3 S Infrastr & Trans	CIVE300 or CBE331 or WR 416 and 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	16	
Senior	Fall	CIVE 300; CIVE 303 or CHEM 245 CIVE 402 - 3 F Sen Design Prin	CIVE 300 CIVE 401 - 3 F,S Hydraulic Engr	Tech Elective - 3	Engineer Tech Elective - 3	CIVE 367 CIVE 466 - 3 F,S Steel Design	Historical Perspectives - 3	18	
	Spring	CIVE 402 CIVE 403 - 3 S Sen Proj Design	CBE 331 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		15	
		Overall GPA	0.000					TOTAL	130

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