

**Environmental Engineering Flowchart**  
**Colorado State University**      **Effective Spring 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

<b>Freshman</b>	<b>Fall</b>	CIVE 102 - 3 F Intro CE/Env Engr		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	
	<b>Spring</b>	CIVE 102 CIVE 103 - 3 S Eng Graphics & Comp		MATH 124 MATH160	MATH 161 - 4 Calculus II	MATH 118 CHEM 105 CHEM 111 - 4 Gen Chem I	(CHEM 111) CHEM 112 - 1 Gen Chem Lab	LIFE 102 - 4 Living Systems	16
<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	CHEM 112 (CHEM 113) CHEM 114 -1 Gen Chem Lab II	Arts & Humanities - 3	17
	<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/Solids	MATH 160 PH 141 MECH 237 - 3 S Intro Thermal Sci	CHEM 113 CHEM 245 - 4 Organic Chem			16
<b>Junior</b>	<b>Fall</b>	CIVE 261 (MECH 237) (MATH 340) CIVE 300 - 3 F,S,SM Fluid Mech	(CIVE 300) CIVE 301- 1 F, S Fluid Mech Lab		MATH261 MATH 340 - 4 Diff Equations	CIVE 360 CIVE 355 - 3 F,S Geotech Engr	(CIVE 355) CIVE 356 - 1 F,S Geotech Engr Lab	MATH 117, MATH 118 or MATH 160 ECON 202 - 3 Prin of Micro	15
		Curious about graduate school in civil or environmental engineering. Chat with the Department graduate advisor to learn about graduate school and our Accelerated Master's Program (AMP), which allows you to double count up to 9 credits of CIVE 500 level coursework towards the bachelor and master degree.							
	<b>Spring</b>	CIVE300 or CBE331 or WR416; CIVE 203 or STAT 301 or STAT 315 CIVE 322 - 3 F,S Basic Hydrology	CBE 331 or CIVE 300 or MECH 342; CHEM 113 CIVE 339 - 3 S Env Engr Concepts	CIVE 300 CIVE 442 - 3 S Air Quality Engr		BZ 110 or BZ 120 or LIFE 102 (CHEM 245) MIP 300 - 3 Gen Microbiology	Diversity, Equity & Inclusion - 3	Advanced Writing - 3	18
<b>Senior</b>	<b>Fall</b>	CIVE 300;CIVE 303 or CHEM 245 CIVE 402 - 3 F Senior Design Prin	CIVE 339 CIVE 439 - 3 F Env Engr Chem Con	CHEM 245 ERHS 446 - 3 F Env Toxicology	CIVE 300 CIVE 401 - 3 F,S Hydraulic Engr	Engr Technical Elective -3		Arts & Humanities - 3	18
	<b>Spring</b>	CIVE 402 CIVE 403 - 3 S Senior Proj Design	(CIVE 339) CIVE 441 - 3 S Water Quality Anal & Trtmt	Engr Technical Elective - 3	Tech Elective - 3			Historical Perspectives - 3	15
		<b>Overall gpa</b>	<b>0.000</b>					<b>TOTAL</b>	<b>130</b>
		<b>M/S/E gpa</b>	<b>0.000</b>						