

PREREQUISITES: students must earn a passing grade of D- or better in any course taken that is a prerequisite for a follow-on CEE course.					COURSE	COURSE NAME	COURSE IS PREREQUISITE FOR OTHER COURSES AS LISTED					
<b>Disclaimer: Information is believed to be accurate regarding courses that are not CEE designated. This information is provided to aid in your academic planning. It is the students' responsibility to verify pre-requisites.</b>												
				MATH 1225	<b>CHEM 1035</b>	<b>General Chemistry</b>	CEE 3104	CEE 3684	co-req: CHEM 1035			
			(Co-req: CHEM 1035)	MATH 1225	<b>CHEM 1045</b>	<b>General Chemistry Lab</b>	CEE 3104	CEE 3684				
				none	<b>ENGE 1215</b>	<b>Foundations of Engineering</b>	ENGE 1216					
				ENGE 1215	<b>ENGE 1216</b>	<b>Foundations of Engineering</b>	CEE 2814					
				none	<b>ENGL 1105</b>	<b>First-Year Writing</b>	ENGL 1106					
				ENGL 1105	<b>ENGL 1106</b>	<b>First-Year Writing</b>	ENGL 3764					
				MATH 1226	<b>ESM 2104</b>	<b>Statics</b>	ESM 2204	CEE 3304				
			ESM 2104	MATH 2204	<b>ESM 2204</b>	<b>Mechanics of Deformable Bodies</b>	CEE 3404	CEE 3514	CEE 3684	CEE 4610	CEE 4824	
				none	<b>GEOS 2104</b>	<b>Elements of Geology</b>	CEE 3514	CEE 3684				
				none	<b>ISE 2014</b>	<b>Engineering Economy</b>						
				none	<b>MATH 1225</b>	<b>Calculus of a Single Variable</b>	CHEM 1035	CHEM 1045	MATH 1226	PHYS 2305		
				MATH 1225 (C-)	<b>MATH 1226</b>	<b>Calculus of a Single Variable</b>	CEE 3104	ESM 2104	MATH 2114	MATH 2204	MATH 2214	PHYS 2306
			MATH 1225 (B)	OR MATH 1226	<b>MATH 2114</b>	<b>Linear Algebra</b>	MATH 2214					
				MATH 1226	<b>MATH 2204</b>	<b>Intro to Multi-Variable Calculus</b>	ESM 2204					
			MATH 1226	MATH 2114	<b>MATH 2214</b>	<b>Differential Equations</b>						
				MATH 1225	<b>PHYS 2305</b>	<b>Foundations of Physics I</b>	CEE 3104	PHYS 2306				
<b>Reminder: All pre-requisites for CEE courses require a passing grade of D- or better</b>												
				none	<b>CEE 2804</b>	<b>Intro to CEE</b>	CEE 3304	CEE 4804				
			(Co-req: CEE 2834)	ENGE 1216 OR ENGE 1414	<b>CEE 2814</b>	<b>CEE Measurements</b>	CEE 3274	CEE 3684				
				CE Majors Only	<b>CEE 2834</b>	<b>CE Drawings &amp; Virtual Modeling</b>	CEE 3274	co-req: CEE 2814				
				JR Standing	<b>CEE 3014</b>	<b>Construction Management</b>	CEE 4014	CEE 4024	CEE 4074			
	CHEM 1035	CHEM 1045	MATH 1226	PHYS 2305	<b>CEE 3104</b>	<b>Intro to Environmental Engr</b>	CEE 4104	CEE 4114	CEE 4144	CEE 4174		
		CEE 2814	CEE 2824 OR	CEE 2834	<b>CEE 3274</b>	<b>Intro to Land Development</b>	CEE 4264	CEE 4274	CEE 4284			
			CEE 2804	ESM 2104	<b>CEE 3304</b>	<b>Fluid Mechanics for CEE</b>	CEE 3314	CEE 4304	CEE 4314	CEE 4384	co-req: CEE 4804	
				CEE 3304	<b>CEE 3314</b>	<b>Water Resources Engr</b>	CEE 4324	CEE 4334	CEE 4364			
				ESM 2204	<b>CEE 3404</b>	<b>Theory of Structures</b>	CEE 4404	CEE 4424	CEE 4434			
			ESM 2204	GEOS 2104	<b>CEE 3514</b>	<b>Intro to Geotech Engr</b>	CEE 4514	CEE 4534	CEE 4544	CEE 4564		
				JR Standing	<b>CEE 3604</b>	<b>Intro to Transportation Engr</b>	CEE 4604	CEE 4624	CEE 4654	CEE 4674	CEE 4684	CEE 4694
CEE 2814	CHEM 1035	CHEM 1045	ESM 2204	GEOS 2104	<b>CEE 3684</b>	<b>CE Materials</b>	CEE 4424	CEE 4434	CEE 4454	CEE 4614	CEE 4634	CEE 4664
^ or CEM 2824				none	<b>CEE 3804</b>	<b>Computer Applications in CEE</b>	CEE 3814	CEE 4034				^ CEE 4824
				CEE 3804	<b>CEE 3814</b>	<b>Analytics in CEE</b>	CEE 4834					
				check w/ program	<b>CEE 3954</b>	<b>Study Abroad</b>						
				CEE 3014	<b>CEE 4014</b>	<b>Estimating, Production, &amp; Cost Engr</b>						
				CEE 3014	<b>CEE 4024</b>	<b>Construction Control Techniques</b>						
				CEE 3804	<b>CEE 4034</b>	<b>Smart Sustainable Infrastructure</b>						
			CEE 3014 or	CEM 2104	<b>CEE 4074</b>	<b>Means &amp; Methods</b>						
				CEE 3104	<b>CEE 4104</b>	<b>Water &amp; Wastewater Treatment Design</b>						

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			CEE 3104	CEE 4114	Fund of Public Health Engr						
			SR Standing	CEE 4134	Sustainable Systems						
	CEE 3104 or	ENGR 3124 or	ENSC 3634 or	CEE 4144	Air Resources Engr						
			CEE 3104	CEE 4174	Solid & Hazardous Waste Management						
			SR Standing	CEE 3274	CEE 4264	Sustainable Land Development					
			CEE 3274	CEE 4274	Land Development Design						
		co: CEE 4274	SR Standing	CEE 3274	CEE 4284	Advanced Land Development Design					
			CEE 3304	CEE 4304	Hydrology						
			CEE 3304	CEE 4314	Groundwater Resources						
			CEE 3314	CEE 4324	Open Channel Flow						
			CEE 3314	CEE 4334	Hydraulic Structures						
			none	CEE 4344	Water Resources Planning						
			CEE 3314 or BSE 4344	CEE 4364	Geospat Analysis Hydro Design						
			CEE 3304	CEE 4384	Introduction to Coastal Engineering						
			none	CEE 4394	Urban Water Sustainability						
			CEE 3404	CEE 4404	Intermediate Analysis of Structures						
			CEE 3404	CEE 3684	CEE 4424	Design of Reinforced Concrete Structures					
			CEE 3404	CEE 3684	CEE 4434	Intro to Steel Design					
			Co: CEE 4434 or CEE 4424 depending on topic	CEE 4444	Topics in Structural Eng. Design						
			CEE 3424	CEE 3684	CEE 4454	Masonry Structural Design					
			CEE 3514	CEE 4514	Methods in Geotechnical Engr						
			CEE 3514	CEE 4534	Earth Pressures & Foundation Structures						
			CEE 3514	CEE 4544	Design of Earth Structures						
			none	CEE 4554	Natural Disaster Mitigation & Recovery						
			CEE 3514	CEE 4564	Intro to Coastal & Marine Geotechnics						
			CEE 3604	CEE 4604	Traffic Engineering						
			ESM 2204	OR AOE 2024	CEE 4610	Mechanics of Composite Materials					
			CEE 3684 OR	BC 2044	CEE 4614	Advanced Structural Concrete					
			CEE 3604	CEE 4624	CEE 4624	Planning Transportation Facilities					
			CEE 3684	CEE 4634	CEE 4634	Infrastructure Condition Assessment					
			CEE 3604	CEE 4654	CEE 4654	Geometric Design of Highways					
			CEE 3684	CEE 4664	CEE 4664	Pavement Design					
			CEE 3604	CEE 4674	CEE 4674	Airport Planning & Design					
			CEE 3604	CEE 4684	CEE 4684	Transportation Safety					
			CEE 3604	CEE 4694	CEE 4694	Freight Operations					
			co: CEE 3304	CEE 2804	CEE 4804	Professional & Legal Issues in Engr					
			ESM 2204	CEE 3684	CEE 4824	Introduction to Forensic Engineering					
			CEE 3814 OR	BSE 3144	CEE 4834	Cyber-Phys and Remote Sensing					
			none	CEE 4844	CEE 4844	Building Info Modeling & Integrate Practices					