## Planned Course Offerings, Structural Engineering Option, 2023-2027

Course No.	Course Name	Course Requirement	Units	Fall 2023	Spring 2024	Fall 2024	Spring 2025	Fall 2025	Spring 2026	Fall 2026	Spring 2027
CE 5502	Structural Dynamics	Required	3	Х		Х		Х		Х	
CE 5503	Finite Element Analysis	Required	3	Χ		Χ		Χ		Χ	
CE 5504	Advanced Steel Design	Required	3		Х		Х		Х		Х
CE 5505	Advanced Reinforced Concrete Design	Required	3	Χ		Х		Х		Х	
CE 5506	Seismic Design of Structures	Required	3		Х		Х		Х		Х
CE 5515	Probability Analysis, Structures & Infrastructure System Reliability	Required	3	Χ		Х		Х		Х	
CE 5541	Advanced Structural Analysis	Required	3		Х		Х		Х		Х
CE 5530	Advanced Timber Design	Elective	3		Х				Х		
CE 5520	Prestressed Concrete Design	Elective	3				Х				Х
CE 5990	Base Isolation and Energy Dissipation	Elective	3			Х				Х	
ME 5400	Advanced Mechanics of Materials	Elective	3	Check schedule with ME (Mechanical Engineering) Department							
ME 5431	Advanced Finite Element Modeling	Elective	3	Check schedule with ME (Mechanical Engineering) Department							
EGR 5110	Numerical Methods	Elective	3	Х	Χ	Χ	Χ	Χ	Χ	Х	Χ