

Area	Normally taught in Fall	CR	DS	Normally taught in Spring	CR	DS
Structures	CE 441/641 Finite Element Analysis	2	0.0	CE 411/611 Prestressed Concrete	2	1.0
	CE 446/646 Dynamics of Structures	3	0.5	CE 430/630 Timber Design	3	1.5
	CE 720 Continuum Mechanics	3	0.0	CE 445/645 Advanced Steel Design	2	1.0
Water Resources	CE 477/677 Applied Hydrology	3	1.5	CE 421/621 Open Channels	3	1.5
				CE 776 Groundwater & Seepage	3	0.0
Environmental	CE 410/610 Water & Wastewater Engr	3	1.5	CE 473/673 Air Pollution	3	1.5
	CE 472/672 Solid Waste Management	3	1.5	CE 479/679 Advance Water & Wastewater	3	1.5
	CE 770 Hazardous Waste Site Remediation	3	1.5			
	ECS 740 Environmental Management	3	0.0			
	CE 478/678 Water Quality Management	3	1.5			
Transportation	CE 458/658 Bituminous Materials & Mixes	3	1.5	CE 419/619 Pavement Design	3	1.5
	CE 451/651 Advanced Surveying	2	0.5	CE 778 Transportation Administration	3	0.0
	CE 454/654 Geometric Highway Design	3	2.0	CE 780 Transportation Planning	3	0.0
	CE 455/655 Airport Planning & Design	2	1.0	CE 781 Traffic Engineering	3	1.5
	CE 456/656 Railroad Planning & Eng	2	1.0			
	CE 457/657 Pavement Management Systems	2	1.0			
Geotechnical	CE 461/661 Foundation Engineering	2	1.0	CE 417/617 Earth Slopes	2	1.0
				CE 462/662 Designing w/ Geosynthetics	2	1.0
Advanced Materials	CE 725 Biomaterials	3	0.0	CE 486/686 Fundamentals of Nanotechnology	3	0.0

*** These are all the technical electives that have been offered. Please check with the Civil Engineering Department for what is currently being offered this spring or fall.**