

Construction Engineering Technical Electives

Course	Credits
CE 404 Reinforced Concrete	3
CE 405 Advanced Reinforced Concrete	2
CE 408 Water Resources and Supply	3
CE 411 Design of Pre-stressed Concrete	2
CE 417 Slope Stability and Retaining Walls	2
CE 418 Transportation Engineering	4
CE 419 Pavement Design	3
CE 421 Open Channel Flow	3
CE 430 Timber and Form Design	3
CE 441 Finite Element Analysis	2
CE 442 Matrix Analysis of Structures	2
CE 444 Structural Steel Design	3
CE 445 Advanced Steel Design	2
CE 446 Basic Dynamics of Structures	3
CE 451 Advanced Surveying	2
CE 454 Geometric Highway Design	3
CE 455 Airport Planning and Design	2
CE 456 Railroad Planning and Design	2
CE 457 Pavement Management Systems	2
CE 461 Foundation Engineering	2
CE 462 Designing with Geosynthetics	2
CE 472 Solid Waste Management	3
CE 473 Air Pollution	3
CE 477 Applied Hydrology	3
CE 478 Water Quality Management	3
CE 479 Advanced Water and Wastewater Treatment	3