

Civil Engineering Minor

Minor in Civil Engineering

Admission to the Joint Engineering program is required. A minimum of 18 credit hours in Joint Civil Engineering courses and Engineering courses are required.

Required Courses

ENGR 2310	Statics	3
J M ENGR 2410	Mechanics of Deformable Bodies	3
J M ENGR 3700	Fluid Mechanics	3

Take at least three courses from one of the tracks below: 9

Structures

J C ENGR 2160	Surveying	
J M ENGR 3360	Material Science for J C ENGR	
J C ENGR 3410	Structural Analysis	
J C ENGR 3420	Structural Design	
J C ENGR 4630	Design of Steel Structures	
J C ENGR 4660	Advanced Design of Concrete Structures	

Water Resources/Environmental

J C ENGR 3520	Water and Wastewater Treatment	
J C ENGR 3760	Hydraulic Engineering	
J C ENGR 4830	Fundamentals of Surface Water Hydrology and Environmental Engineering	
J C ENGR 4740	Economic Decisions in Engineering	

Transportation

J C ENGR 2160	Surveying	
J C ENGR 3460	Transportation Engineering	
J C ENGR 4600	Highway and Traffic Engineering	

Geotechnical

GEOL 1001	General Geology	
J C ENGR 2160	Surveying	
J M ENGR 3360	Material Science for J C ENGR	
J C ENGR 4190	Soil Mechanics	
J C ENGR 4640	Foundation Engineering	
J C ENGR 4740	Economic Decisions in Engineering	

Construction Management

J C ENGR 2160	Surveying	
J C ENGR 4720	Legal Aspects of Construction	
J C ENGR 4730	Construction Operations and Management	
J C ENGR 4740	Economic Decisions in Engineering	

Total Hours 18