College of Engineering
TEMPLE UNIVERSITY

MS in Civil Engineering

Please note that the curriculum outlined below is a guide. All students must meet with their academic advisor to develop a plan of study.

All students in this track are required to take three semester hours of a **core mathematics course** from the list below:

CE 5048	Probability, Statistics, and Stochastic Methods	
CE 5058	Probability Statistics in Engineering	
CE 5703	Mathematical Modeling	
ENGR 5011	Engineering Mathematics I	

All students in this track are required to take three **core courses** from the list below:

CE 5201	Transportation Systems Management	
CE 5302	Engineering Project Management	
CE 5432	Structural Mechanics	

Listed below are **elective courses** offered by the Department. Students may take other graduate elective courses, provided they have prior written authorization from the student's graduate advisor.

CE 5301	Construction Administration	
CE 8761	Analytical Instrumentation	
CE 5221	Intelligent Transportation Systems	
CE 5303	Construction Financial Management	
CE 5202	Transportation Engineering	
CE 5304	Construction Industry Business	
CE 5111	Rebuilding America	
CE 5431	Behavior and Design of Steel Structures	
CE 5421	Structural Dynamics	
CE 5433	Behavior and Design of Masonry Structures	
CE 5212	Transportation Engineering Materials	
CE 5211	Bridge Design	
CE 5311	Value Engineering	
CE 5312	Construction Equipment Management	
CE 5313	Construction Productivity	
CE 5314	Strategic Corporate Management	
CE 5411	Structural CADD Systems	
CE 5241	Pavement Management and Traffic Systems Management	
CE 8302	Advanced Engineering Project Management	

Students completing the thesis option must complete 24 semester hours of course work and 6 semester hours of thesis. Students completing the project option must complete 27 semester hours of course work and 3 semester hours of a research project. Students completing the non-research option, with the permission of the department, are required to take 30 semesters of course work.