

MS in Civil Engineering Curriculum Map

Graduate level core and elective courses meet the Student learning outcomes as outlined below.

Student Outcomes (SO)	501	517	524	530	531	532	533	534	537	538	539	544	545	547	548	551	556	557	560	567
1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.	X	X	X	X	X	X	X		X	X	X		X		X					X
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.				X	X			X	X	X		X				X	X	X	X	
3. an ability to communicate effectively with a range of audiences.			X		X			X		X			X	X						X
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.				X		X		X	X	X	X	X			X	X	X	X	X	x

For the most up-to-date information, please contact the program.