

	Student Learning Outcomes				
PhD Requirements	1. demonstrate foundational knowledge in civil engineering and comprehensive technical expertise in a subdiscipline of specialization	2. evaluate critically and synthesize literature to inform engineering solutions	3. present proficiently research plans and results orally in a formal setting	4. perform original engineering research	5. produce publishable manuscripts
Course Requirements	I	I			
Seminar Course			I		
Research Credits	R	R		I	I, R
Qualifying Exam	R		R		
Comprehensive Exam	R		R		
Dissertation	M	M		M	M
Dissertation Defense			M		