

Programme Content

Core/Optional Courses & Projects

BEng/MEng Civil Engineering		
Year 1 BEng & MEng	Students take 8 core courses	
	Analysis of Determinate Structures	Core
	Hydraulics and Hydrology A	Core
	Surveying and Monitoring in the Built and Natural Environment	Core
	Mathematics for Engineers & Scientists 3	Core
	Civil Engineering Materials	Core
	Stress Analysis and Element Strength	Core
	Design Studies A - Problem Solving	Core
	Statistics for Science	Core

Year 2 BEng & MEng	Students take 8 core courses	
	Design of Steel Elements	Core
	Transportation Engineering A	Core
	Indeterminate Structures	Core
	Geology and Soil Properties	Core
	Hydraulics and Hydrology B	Core
	Geotechnics A - Intro to Soil Mechanics	Core
	Design of Concrete Elements	Core
	Environmental Engineering A	Core

Year 3 BEng & MEng	BEng students take 1 core, 4 optional courses and 2 projects MEng students take a compulsory industrial training placement	
	Civil Engineering Dissertation	Project
	Geotechnics B - Soil Strength	Core
	Structural Element Design	Optional
	Transportation Engineering B	Optional
	Civil Engineering Design Project	Project
	Analysis of Indeterminate Structures	Optional
	Foundation Engineering	Optional

Year 4 MEng only	Students take 7 optional courses and a Civil Engineering project	
	Civil Engineering Professional Project	Project
	Ground Engineering	Optional
	Stability and Dynamics	Optional
	Project Management Theory and Practice	Optional
	Contracts and Procurement	Optional
	Safety, Risk and Reliability	Optional
	Urban Drainage and Water Supply	Optional
	Construction Financial Management	Optional
	Project Management Strategic Issues	Optional