

Programme content

Core/Optional Courses & Projects

BEng/MEng Electrical & Electronic Engineering		
Year 1 BEng & MEng	Students take 8 core courses	
	Circuits and Analysis	Core
	Digital design and programming	Core
	Mathematics for engineers and scientists 3	Core
	Business awareness, safety and sustainability	Core
	Mathematics for Engineers and Scientist 4	Core
	Electromechanical Systems	Core
	Signals and Systems	Core
	Computer Architecture and Embedded Systems	Core

Year 2 BEng & MEng	Students take 7 core courses	
	Physical Electronics and Semiconductors	Core
	System Projects	Core
	Engineering Mathematics and Statistics 3	Core
	Time and Frequency Signal Analysis	Core
	Analogue Electronics	Core
	Electrical Energy Systems	Core
	Electromagnetism	Core

Year 3 BEng & MEng	BEng students take 5 optional courses and 2 projects MEng students take 1 core course, 4 optional courses, 3 projects	
	Linear Control	Optional
	Communications	Optional
	Digital Signal Processing	Optional
	Advanced Analogue Electronics	Optional
	Advanced Digital Electronics	Optional
	Image Processing	Optional
	Sustainable energy and power systems	Optional
BEng Only	BEng Project 1	Core
	BEng Project 2	Core
MEng Only	MEng Group Project 1	Core
	MEng Group Project 2	Core
	MEng Professional & Industrial Studies	Core

Year 4 MEng only	Students take 4 optional courses and a compulsory project placement or research.	
	Project Placement or Research	Core
	Advanced Reading	Optional
	Advanced Digital Electronics	Optional
	Image Processing	Optional
	Principles of Mobile Communications	Optional
	High Voltage	Optional