

Programme content

Core/Optional Courses & Projects

BEng/MEng Mechanical Engineering		
Year 1 BEng & MEng	Students take 8 core courses	
	Design and Manufacture 2	Core
	Electric Circuits and Machines	Core
	Mathematics for Engineers and Scientists 3	Core
	Mathematics for Engineers and Scientists 4	Core
	Mechanical Engineering Science 3	Core
	Mechanical Engineering Science 4	Core
	Mechanical Engineering Science 5	Core
	Mechanical Engineering Science 6	Core

Year 2 BEng & MEng	Students take 7 core courses and 1 optional course	
	Automotive Technologies 1	Optional
	Business Awareness, Safety and Sustainability	Core
	Design and Manufacture 3	Core
	Design and Manufacture 4	Core
	Energy Studies	Optional
	Mechanical Engineering Science 10	Core
	Mechanical Engineering Science 7	Core
	Mechanical Engineering Science 8	Core
	Mechanical Engineering Science 9	Core

Year 3 BEng & MEng	BEng students take 2 core courses, 4 optional courses and 2 projects MEng students take 2 core course, 3 optional courses, 3 projects and a compulsory industrial training placement	
	Engineering Design	Core
	Project 1	Project
	Project 2	Project
	Advanced Mechanics of Materials 1	Optional
	Advanced Mechanics of Materials 2	Optional
	Dynamics 1	Optional
	Dynamics 2	Optional
	Engineering Manufacture	Core
	Fluids 1	Optional
	Fluids 2	Optional
	Thermodynamics 1	Optional
	Thermodynamics 2	Optional
MEng Only	Group Project 1	Project
	Industrial Training	Core

Year 4 MEng only	Students take 4 core courses, 2 optional courses and 2 projects	
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	Advanced Mechanics of Materials 1	Optional
	Advances Mechanics of Materials 2	Optional
	Dynamics 1	Optional
	Dynamics 2	Optional
	Failure Accident Analysis	Core
	Fluids 1	Optional
	Fluids 2	Optional
	Group Project 2	Project
	Group Project 3	Project
	Professional and Industrial Studies	Core
	Specialist Engineering Technologies 1	Core
	Specialist Engineering Technologies 2	Core
	Thermodynamics 1	Optional
	Thermodynamics 2	Optional