

## Outline course structure

BEng (Hons) Electronic Engineering						
Year 1	Engineering Science Fundamentals 20	Engineering Mathematics and Technical Computing 20	Laboratory Analysis and product case studies 20	Practical and Project Skills for Engineering 20	Principles of Electronics and Electronic Systems 20	Electronic Devices and Materials Technology 20
Year 2	Digital Systems and Computer Engineering 20	Engineering Modelling and Simulation Techniques 20	Industrial design and product case studies 20	Integrated group design projects 20	Control Systems and Engineering 20	Digital Signal and Image Processing 20
Optional Sandwich Year						
Final Year	Performance Engineering 20	Modern VLSI and FPGA Design 20	Individual Engineering Project 40		<i>Choose two of four options:</i> <ol style="list-style-type: none"> <li>1. Sensors and Embedded Electronics</li> <li>2. Wireless and RF Communications</li> <li>3. Fluid Dynamics in Physiology and Medical Devices</li> <li>4. Optical Displays and Photonic Technologies</li> </ol>	

Figure 1. BEng (Hons) Electronic Engineering

MEng (Hons) Sport Engineering						
Level 4	Engineering Science Fundamentals 20	Engineering Mathematics and Technical Computing 20	Laboratory Analysis and product case studies 20	Practical and Project Skills for Engineering 20	Principles of Electronics and Electronic Systems 20	Anatomy, Physiology and Biomechanics 20
Level 5	Digital Systems and Computer Engineering 20	Engineering Modelling and Simulation Techniques 20	Industrial design and product case studies 20	Integrated group design projects 20	Sports Technology 20	Experimental Biomechanics and Physiology 20
Optional Sandwich Year						
Level 6	Performance Engineering 20	Experimental methods in Human performance 20	Group Engineering Design and Optimisation Project 40		Choose two of four options: 1. Sensors and Embedded Electronics 2. Wireless and RF Communications 3. Medical Ethics, Regulation and Clinical Trials 4. Mechanical Engineering in Sport	
Level 7	Design to Market 20	Individual Industrial/Research Engineering Project 60			Choose two of four options: 1. Robotics, Cybernetics and Biomechatronics 2. Biotribology Applied to Prosthetics 3. Optimising Human Performance 4. Optimising Sport Equipment	

Figure 8. MEng (Hons) Sport Engineering

BEng (Hons) Sport Engineering						
Level 4	Engineering Science Fundamentals 20	Engineering Mathematics and Technical Computing 20	Laboratory Analysis and product case studies 20	Practical and Project Skills for Engineering 20	Principles of Electronics and Electronic Systems 20	Anatomy, Physiology and Biomechanics 20
Level 5	Digital Systems and Computer Engineering 20	Engineering Modelling and Simulation Techniques 20	Industrial design and product case studies 20	Integrated group design projects 20	Sports Technology 20	Experimental Biomechanics and Physiology 20
Optional Sandwich Year						
Level 6	Performance Engineering 20	Experimental methods in Human performance 20	Individual Engineering Project 40		Choose two of four options: 1. Sensors and Embedded Electronics 2. Wireless and RF Communications 3. Medical Ethics, Regulation and Clinical Trials 4. Mechanical Engineering in Sport	

Figure 9. BEng (Hons) Sport Engineering