

Biomedical Engineering: Exchange Student Module Choices

Full Year Modules

Module code	Module name	Credits	Credit level
BE103	Analytical and Numerical Methods in Biomedical Engineering	20	Level 1
BE100	Anatomy and Physiology for Biomedical Engineers	20	Level 1
94157	Human Biological Sciences 1	20	Level 1
94206	Human Biological Sciences 2	20	Level 2
94154	Principles of Prosthetic and Orthotic Design 1	20	Level 1
94207	Principles of Prosthetic and Orthotic Design 2	20	Level 2
BE208	Statics and Dynamics in Biomedical Engineering	20	Level 2

Semester 1 only (Sept-Dec) Modules

Module code	Module name	Credits	Credit level
BE400	Advanced Topics in Human Movement	20	Level 4
BE101	Biomedical Engineering	10	Level 1
BE306	Biomedical Imaging	10	Level 3
BE404	Biomedical Instrumentation	10	Level 4
BE420	Cardiovascular Devices	10	Level 4
BE205	Fluid Mechanics in Biomedical Engineering	10	Level 2
BE206	Introduction to Biomechanics	10	Level 2
BE421	Introduction to Biomechanics	10	Level 4
BE301	Physiological Systems in Health and Disease	20	Level 3
94304	Principles of Prosthetic and Orthotic Design 3	10	Level 3
BE428	Professional Studies & Research Methods in Biomedical Engineering	20	Level 4
BE402	Professional Studies in Biomedical Engineering	10	Level 4
BE431	Rehabilitation Technology	10	Level 4
BE403	Research Methods in Biomedical Engineering	10	Level 4
BE418	Tissue Mechanics	10	Level 4

Semester 2 only (Jan-May) Modules

Module code	Module name	Credits	Credit level
BE422	Biomaterials and Biocompatibility	10	Level 4
BE401	Biomedical Electronics	10	Level 4
BE300	Biomedical Materials	20	Level 3
BE417	Biosignal Processing and Analysis	10	Level 4
BE105	Cell Biology 1	10	Level 1
BE203	Cleanliness Champions for the NHS	10	Level 2
BE416	Clinical and Sports Biomechanics	10	Level 4
BE415	Clinical Gait Analysis	20	Level 4
94303	Human Biological Sciences 3	10	Level 3
BE304	Introduction to Clinical Gait Analysis	20	Level 3
BE204	Mechanics of Materials	10	Level 2
BE426	Medical Robotics	10	Level 4
BE427	Numerical Modelling in Biomedical Engineering	10	Level 4
BE429	Orthotics Engineering	20	Level 4
BE302	Practical Biomechanics	20	Level 3
BE423	Prosthetics and Orthotics	10	Level 4
BE430	Prosthetics Engineering	20	Level 4
BE419	Regenerative Medicine and Tissue Engineering	10	Level 4
BE928	Rehabilitation Technology	10	Level 5
BE405	Sports Injury and Rehabilitation	20	Level 4
BE425	The Medical Device Regulatory Process	10	Level 4