



Irish University Business School

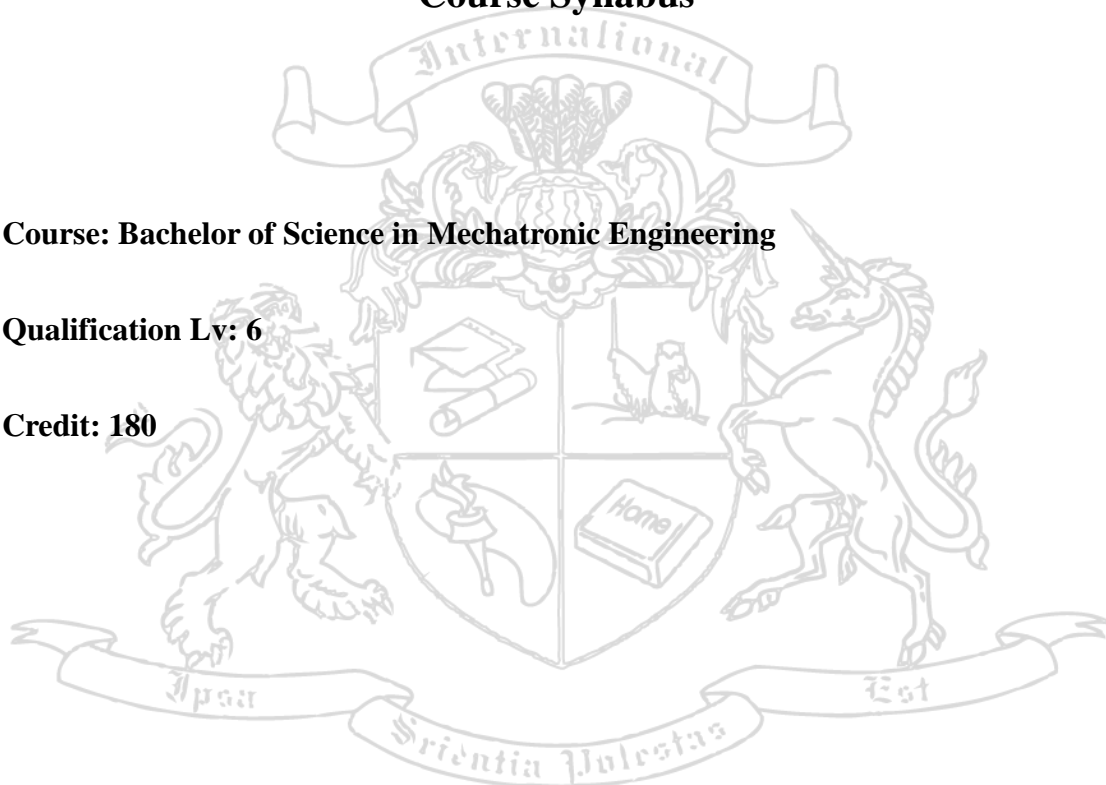
Irish University Business School

Course Syllabus

Course: Bachelor of Science in Mechatronic Engineering

Qualification Lv: 6

Credit: 180



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Programme Aims:

- Provide a systematic understanding and in depth technical knowledge of the operational aspects and underlying technology used in Mechatronic Engineering;
- Develop the ability to critically appraise the specifications, design and performance of Mechatronic Systems in a variety of situations and locations and fully appreciate the linkage between the theoretical and practical experience of the technology;
- Develop an appreciation of the current state of research in the discipline through work informed by leading edge developments.





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Core Module:

MG1101 Management and Enterprise
SBD1000 Skills for Success
A191 Academic Writing I (Beginners)
ME009 Engineering Mathematics
CT102 Algorithms & Information Systems
ME012 Essential Calculus for Engineering
EE008 The Design of Electrical Installations
A192 Academic Writing II (Advanced)
EE023 Electrical Principles Methods and Simulation
ME018 Essential Practice for Mechatronic Systems
MA118 Mathematics for Business
ME021 Configuration and Programming of Embedded Systems
MF023 Introduction to Finance
ME030 Sustainable Engineering Design
MS216 Information and Operations Management
IE309 Operations Research
EE031 Control System Design
SE016 Sustainable Energy Technology
ME037 Spatial Mechanisms for Professionals
EE033 Electronic Products Management
MG175 Human Resource Management
EE038 Power Electronics and Drives
ME028 Sensors and Transducers

Assessment:

Assignment(s) or/and Case Studies or/and Project

100%