University of Bedfordshire

Course Information Form

This Course Information Form provides the definitive record of the designated course

Section A: General Course Information

Course Title	MSc Electronic Engineering with Project Management
Final Award	MSc
Route Code	MSEEMAAF
Intermediate Qualification(s)	
FHEQ Level	7
Location of Delivery	University Square Campus, Luton
Mode(s) and length of study	Full-time over 24 months, block delivery (6 entry points)
Standard intake points (months)	October, November, February, April, June, August
External Reference Points as applicable including Subject Benchmark	QAA Characteristics Statement - Master's Degrees (2020) QAA Subject Benchmark Statement - Engineering (2019) SEEC Level Descriptors (2016) QAA FHEQ Level Descriptor (2014)
Professional, Statutory or Regulatory Body (PSRB) accreditation or endorsement	

HECoS code(s)	100165, 100812
UCAS Course Code	N/A

Course Aims	The course will provide you with academic and technical skills to analyse, synthesise, interpret and make sense of modern electronic systems. This course, for graduates with a background in electronics, was designed with industry experts and is ideal for those aiming to enter a range of specialist careers in digital electronics or communications. You will gain advanced theoretical and practical knowledge and skills in digital communications, signal processing, electronic circuits and microprocessors, as well as an understanding of engineering best practice and how to apply it in real-life scenarios. This course is ideal if you are looking to work within the areas relating to digital electronics or communications and will prepare you for a range of specialist career options. It will enable you to meet the demands of tomorrow s engineering society, and Project management. This course provides an opportunity to study the subject of electronic engineering at an advanced level. It is designed to introduce you to the fundamental principles that underpin the subject (e.g. digital signal processing, digital communications, etc.) as well as providing an insight into the fast changing nature of the subject. During the course you will get to study topics with the area of embedded systems, wireless sensor networks, optical communications and other exciting emerging technologies within the field of electronics, and Project management. The course itself is designed for those who have a previous background in electronics (e.g. those who may have previously studied electrical engineering or computer science and electrical engineering). The course has been designed in conjunction with industry experts and will involve a variety of learning approaches including hands on laboratory sessions in which you will be able to work with, and even build your own electronic devices.
	Upon successful completion of your course you should meet the appropriate learning outcomes for your award shown in the table below

	Outcome	Award
1	Demonstrate a deep and systematic understanding of electronic engineering including current and emerging theoretical and methodological approaches at various levels of abstraction.	MSc Electronic Engineering with Project Management
2	Develop critical responses to existing theoretical methodologies and practices in electronic engineering and suggest new innovative solutions to a variety of complex electronic products.	MSc Electronic Engineering with Project Management

Course Learning Outcomes	3	Flexibly and creatively apply theoretical knowledge to deal with complex issues and generate transformative solutions in unfamiliar contexts, synthesise ideas or information in innovative ways, and generate transformative solutions in electronic system development while taking into account every aspect of a project life-cycle and arguing for alternative approaches.	MSc Electronic Engineering with Project Management
	4	Autonomously implement and integrate electronic hardware/software into products and critically evaluate improvements to performance drawing on innovative or sectoral best practice.	MSc Electronic Engineering with Project Management
	5	Autonomously apply and evaluate appropriate industry-standard developing toolkits in electronic system development projects.	MSc Electronic Engineering with Project Management
	6	Incorporate a critical ethical dimension to your practice. Demonstrate a deep understanding and a critical awareness of social and economic impacts of electronic engineering and the relevant regulatory and ethical frameworks.	MSc Electronic Engineering with Project Management
	7	Operate in a variety of diverse and complex scenarios, requiring selection and application from a wide range of advanced techniques. Question and challenge current thinking and consider possible future developments in the field of electronic engineering.	MSc Electronic Engineering with Project Management
	8	Identify, evaluate and maintain capabilities to support effective communication of complex ideas and developments in a comprehensive, effective, systematic and professional way using a variety of communication media (e.g. formal written Academics, essays and presentations with supporting oral communication).	MSc Electronic Engineering with Project Management
	9	Design and undertake a substantial investigation to address significant areas of theory and/or practice in the area of Electronic engineering, selecting appropriate methodological processes and critically evaluating their effectiveness.	MSc Electronic Engineering with Project Management
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11 Demonstrate sensitivity to the complexity of implementing plans and of achieving change in organisations both because of individual and organisational obstacles and critically appraise the methods

Section C: Assessment Plan

The course is assessed as follows :

MSEEMAAF- MSc Electronic Engineering with Project Management

Unit Code	Level	Period	Core/Option	Ass 1 Type code	Ass 1 Submit wk	Ass 2 Type code	Ass 2 Submit wk	Ass 3 Type code	Ass 3 Submit wk	Ass 4 Type code	Ass 4 Submit wk
CIS117-6	7	BLK1/ BLK5/ BLK3	Core	CW-PORT	6						
CIS116-6	7	BLK2/ BLK6/ BLK4	Core	WR-I	6						
BSS074-6	7	BLK3/ BLK1/ BLK5	Core	CW-EPO	8						
CIS120-6	7	BLK3/ BLK1/ BLK5	Core	CW-PORT	6						
CIS115-6	7	BLK4/ BLK2/ BLK6	Core	CW-PO	6						
CIS132-6	7	BLK4/ BLK2/ BLK6	Core	CW-PORT	7						
BSS060-6	7	BLK5/ BLK3/ BLK1	Core	PR-OR	3	WR-I	6				

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| CIS121-6 | 7 | DISS A/SEM1/DISSB/SEM2/ DISSC/SEM3 | Core | CW-ESS | 3 | PJ-PRO | 14 | WR-PO | 15 | | |

Glossary of Terms for Assessment Type Codes	
CW-EPO	Coursework - e-Portfolio
CW-ESS	Coursework - Essay
CW-PO	Coursework - Portfolio
PJ-PRO	Coursework - Project Report
PR-OR	Practical - Oral Presentation
WR-I	Coursework - Individual Report
WR-PO	Coursework - Poster