Course Information Form

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

Section A: General Course Information

Course Title	BSc (Hons) Artificial Intelligence and Robotics			
Final Award	BSc			
Route Code	BSCARAAF/BSAIFAAF			
Intermediate Qualification(s)				
FHEQ Level	6			
Location of Delivery	University Square Campus, Luton			
Mode(s) and length of	Full time over 3 years			
study	Part-time typically over 6 years			
Standard intake points (months)	October, February			
External Reference	Computing (2019)			
Points as applicable including Subject	FHEQ (2014)			
Benchmark	SEEC Credit Level Descriptors (2021)			
Professional, Statutory or Regulatory Body (PSRB 0 rl.346 243.9 12§				

Route(s) - BSCARAAF/BSAIFAAF

HECoS code(s)	100359
UCAS Course Code	GH76

	This course emphasises the application of AI technologies and methodologies to modern robots that require a certain level of intelligence and the abilities to adapt themselves to environments. It is designed to develop your academic and vocational skills to pursue academic and professional careers in industry and in academia. Completing graduates are expected to be able to:					
Course Aims	Be creative and judgmental Acquire knowledge and understanding of Robots and AI Apply such knowledge to analyse problems encountered and to develop and to evaluate possible robotic solutions Formulate correct procedure of problem solving Communicate findings to peers.					
	The journey of developing such abilities complies with a self-reflective professional development procedure starting from identifying career goal and the gap between the goal and the current levels of knowledge, skills and capabilities for the students. Course units are designed to gradually fill in the gap from fundamental computational concepts and skills in Year One, specialist concepts, technologies and methodologies in AI and robotics in Year Two, to more independent and creative skills of analysis, modelling, and solution synthesis and evaluation in Year Three.					

	Upon successful completion of your course you should meet the appropriat below	e learning outcomes for your award shown in the table
	Outcome	Award
Course Learning Outcomes	Present a sound theoretical and conceptual representation of intelligent systems	BSc (Hons) AI & Robotics
	Apply AI techniques to the design of robots and theorise on the nature of future developments in this field	BSc (Hons) AI & Robotics
	³ Design and build robots to perform specific tasks and reflect upon the efficiency and functionality of their performance	BSc (Hons) AI & Robotics
	Path-plan the navigation of robots in both familiar and non-familiar 4 environments and apply advanced problem solving techniques to these scenarios	BSc (Hons) AI & Robotics
	Design experiments to establish the full abilities of robots in a working environment	BSc (Hons) AI & Robotics
	6 Communicate ideas both in writing and orally to appropriate academic or professional standards	BSc (Hons) AI & Robotics
	7 Research and evaluate when and why information is needed, find, use and communicate it in an ethical manner	BSc (Hons) AI & Robotics
	8 Apply formal and informal creativity and critical thinking techniques in the solution of problems.	BSc (Hons) AI & Robotics
	 Evaluate, research and compare competing solutions and models in 9 the area of Computer Science so as to enhance a professional and informed decision in a given application scenario 	BSc (Hons) AI & Robotics

Route(s) - BSCARAAF/BSAIFAAF

Admissions Critoria	Approved Variations and Additions to Standard Admission				
Admissions Chiena	N/A				
	https://www.beds.ac.uk/about-us/our-university/academic-information				
	Note: Be aware that our regulations change every year				

Assessment Regulations

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Section C: Assessment Plan

The course is assessed as follows :

BSARAAF- Artificial Intellgence and Robotics

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
CIS093-1	4	SEME STER 1	Core	IT-PT	6	PJ-ART	13				
CIS094-1	4	SEME STER 1	Core	CW-ESS	5	CW-PO	13				
CIS034-1	4	SEME STER 2	Core	WR-GR	9	EX	13				
CIS096-1	4	SEME STER 2	Core	IT-PT	8	PJ-ART	13				
CIS098-2	5	SEME STER 1	Core	WR-I	8	IT-PT	11				
CIS116-2	5	SEME STER 1	Core	PJ-ART	7	EX	13				
CIS006-2	5	SEME STER 2	Core	WR-PR	7	WR-PR	13				
CIS117-2	5	SEME STER 2	Core	CW-PO	8	CW-PO	13				
CIS017-3	6	SEM2	Core	WR-I	8	PR-VIV	12				

Route(s) - BSCARAAF/BSAIFAAF

CIS013-3	6	SEME STER 1	Core	CW-RW	6	WR-I	13
CIS044-3	6	SEME STER 1	Core	CW-PO	7	PJ-ART	13
CIS047-3	6	SEME STER 2	Core	PR-OR	10	PJ-ART	13