

Course Aims	<p>The primary aim of this course is to equip students with a comprehensive understanding of the dynamic and ever-evolving field of IT. Our program focuses on developing the theoretical knowledge, technical skills and practical expertise necessary to thrive in the modern digital landscape. By fostering a deep understanding of core IT concepts, programming languages, networking protocols, database management, cybersecurity principles, and emerging technologies, our aim is to empower students to become adept problem solvers, innovative thinkers, and effective IT professionals. Through a combination of theoretical instruction, hands-on projects, and industry collaborations, our program aims to prepare students for successful careers in various IT domains, including software development, systems administration, cybersecurity, data analytics, and IT consultancy.</p>																															
Course Learning Outcomes	<p>Upon successful completion of your course you should meet the appropriate learning outcomes for your award shown in the table below</p>																															
		<table border="1"> <thead> <tr> <th data-bbox="412 544 490 592"></th> <th data-bbox="490 544 1393 592">Outcome</th> <th data-bbox="1393 544 2112 592">Award</th> </tr> </thead> <tbody> <tr> <td data-bbox="412 592 490 667">1</td> <td data-bbox="490 592 1393 667">Understand the role of typical commercial development tools used in Information Technology</td> <td data-bbox="1393 592 2112 667">BSc (Hons) Information Technology (all route)</td> </tr> <tr> <td data-bbox="412 667 490 778">2</td> <td data-bbox="490 667 1393 778">Understand and critically evaluate the problems and constraints operating within large Information Technology projects including the role of standards, methods and tools</td> <td data-bbox="1393 667 2112 778">BSc (Hons) Information Technology (all route)</td> </tr> <tr> <td data-bbox="412 778 490 853">3</td> <td data-bbox="490 778 1393 853">Critically evaluate state-of-the-art tools and techniques currently used in Information Technology applications</td> <td data-bbox="1393 778 2112 853">BSc (Hons) Information Technology (all route)</td> </tr> <tr> <td data-bbox="412 853 490 928">4</td> <td data-bbox="490 853 1393 928">Critically appreciate the constraints operating within a typical Information Technology application</td> <td data-bbox="1393 853 2112 928">BSc (Hons) Information Technology (all route)</td> </tr> <tr> <td data-bbox="412 928 490 1035">5</td> <td data-bbox="490 928 1393 1035">Work effectively and appreciate the role of working within an Information Technology development team and to be able to explain the conditions necessary for successful team working</td> <td data-bbox="1393 928 2112 1035">BSc (Hons) Information Technology (all route)</td> </tr> <tr> <td data-bbox="412 1035 490 1110">6</td> <td data-bbox="490 1035 1393 1110">Communicate ideas both in writing and orally according to appropriate academic or professional standards</td> <td data-bbox="1393 1035 2112 1110">BSc (Hons) Information Technology (all route)</td> </tr> <tr> <td data-bbox="412 1110 490 1257">7</td> <td data-bbox="490 1110 1393 1257">Know when and why you need information, where to find it, and how to evaluate, use and communicate it in a concise and ethical manner in specific relation to the needs of particular stakeholders in the Information Technology industry</td> <td data-bbox="1393 1110 2112 1257">BSc (Hons) Information Technology (all route)</td> </tr> <tr> <td data-bbox="412 1257 490 1305">8</td> <td data-bbox="490 1257 1393 1305">Research and evaluate information from a number of sources</td> <td data-bbox="1393 1257 2112 1305">BSc (Hons) Information Technology (all route)</td> </tr> <tr> <td data-bbox="412 1305 490 1372">9</td> <td data-bbox="490 1305 1393 1372">Apply formal and informal creativity and critical thinking techniques to the solution of problems</td> <td data-bbox="1393 1305 2112 1372">BSc (Hons) Information Technology (all route)</td> </tr> </tbody> </table>		Outcome	Award	1	Understand the role of typical commercial development tools used in Information Technology	BSc (Hons) Information Technology (all route)	2	Understand and critically evaluate the problems and constraints operating within large Information Technology projects including the role of standards, methods and tools	BSc (Hons) Information Technology (all route)	3	Critically evaluate state-of-the-art tools and techniques currently used in Information Technology applications	BSc (Hons) Information Technology (all route)	4	Critically appreciate the constraints operating within a typical Information Technology application	BSc (Hons) Information Technology (all route)	5	Work effectively and appreciate the role of working within an Information Technology development team and to be able to explain the conditions necessary for successful team working	BSc (Hons) Information Technology (all route)	6	Communicate ideas both in writing and orally according to appropriate academic or professional standards	BSc (Hons) Information Technology (all route)	7	Know when and why you need information, where to find it, and how to evaluate, use and communicate it in a concise and ethical manner in specific relation to the needs of particular stakeholders in the Information Technology industry	BSc (Hons) Information Technology (all route)	8	Research and evaluate information from a number of sources	BSc (Hons) Information Technology (all route)	9	Apply formal and informal creativity and critical thinking techniques to the solution of problems	BSc (Hons) Information Technology (all route)
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Learning support	The University's comprehensive student support service includes: Student Information Desk, a one-stop shop for any initial enquiries; Student Support team advising and supporting those with physical or learning needs or more general student well being; Study Hub team providing academic skills guidance; Personal Academic Tutoring system; support from your lecturers.
Admissions Criteria	https://www.beds.ac.uk/entryrequirements Approved Variations and Additions to Standard Admission N/A
Assessment Regulations	https://www.beds.ac.uk/about-us/our-university/academic-information Note: Be aware that our regulations change every year Approved Variations and Additions to Standard Assessment Regulations N/A

Section C: Assessment Plan

The course is assessed as follows :

BSINTAAF- Information Technology

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
CIS020-1	4	SEME STER 1	Core	IT-PT	6	EX-CB	12				
CIS091-1	4	SEME STER 1	Core	WR-I	7	PR-OR	12				
CIS016-1	4	SEME STER 2	Core	IT-PT	6	PJ-ART	13				
CIS017-1	4	SEME STER 2	Core	CW-CS	9	IT-PT	12				
CIS119-2	5	SEME STER 1	Core	PR-ORAL	8	PJ-ART	12				
CIS120-2	5	SEME STER 1	Core	WR-I	6	PR-ORAL	13				
CIS020-2	5	SEME STER 2	Core	CW-EPO	12	PJ-ART	13				
CIS051-2	5	SEME STER 2	Core	CW-CS	8	PJ-ART	13				
CIS013-3	6	SEM1	Core	CW-RW	6	WR-I	12				
CIS017-3	6	SEM2	Core	WR-I	8	PR-VIV	12				
CIS047-3	6	SEM2	Core	CW-RW	11	EX	12				

CIS041-3	6	SEME STER 1	Core	WR-I	6	PR-OR	13				
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Glossary of Terms for Assessment Type Codes	
CW-CS	Coursework - Case Study
CW-EPO	Coursework - e-Portfolio
CW-RW	Coursework - Reflective Writing
EX	Exam (Invigilated)
EX-CB	Computer-based Invigilated Examination
IT-PT	Summative in-class test or phase test
PJ-ART	Coursework - Artefact
PR-OR	Practical - Oral Presentation
PR-VIV	Practical - Viva
WR-I	Coursework - Individual Report

Administrative Information	
Faculty	Creative Arts Technologies and Science
School	School of Computer Science and Technology
Head of School/Department	Prof Dayou Li
Course Coordinator	Gangmin Li