Year of entry: 2021/22

Programme Specification

1	**Awarding body**	University of London
2	**Teaching Institution**	**Birkbeck College**
3	**Programme Title(s)**	**FdSc Computing/IT/Web Development**
4	**Programme Code(s)**	UUFSCITW_C (Full-time) UFSCITWO_C (Part-time, Oct) UFSCOITW_C (Part-time, Jan)
5	**UCAS code:**	I101
6	**Home Department**	Computer Science and Information Systems
7	**Exit Award(s)**	IT Applications (Certificate of Continuing Education) IT Applications (Certificate of Higher Education)
8	**Duration of Study** (number of years)	2 years full-time; 3 years part-time
9	**Mode of Study**	FT **X** PT **X** DL
10	**Level of Award (FHEQ)**	5
11	**Other teaching depts or institution**	N/A
12	**Professional, Statutory Regulatory Body(PSRB) details**	British Computer Society (BCS)
13	**QAA Benchmark Group**	Foundation Degree Characteristics Statement

14	**Programme Rationale & Aims**
	The Foundation Degree Computing/Information Technology/Web Development aims to develop the knowledge, technical and transferable skills needed by those working in, or seeking to work in, areas related to Computing, Information Technology or Web Development. The programme is designed to equip students with the practical and transferable skills required by today's employers in the IT sector. It provides the necessary academic and theoretical knowledge to allow students to continue, if desired, into the final two years of the BSc Computing.

15	**Entry Criteria**
	English, Welsh and Northern Irish Qualifications (A-level grades): at least 64 UCAS points. At least four GCSEs with at least a C grade in each, including mathematics and English. Scottish Qualifications: at least 64 UCAS points. At least four GCSEs with at least a C grade in each, including mathematics and English. Access Qualifications: Access to HE (including Scottish Access) 60 credits required, including at least 45 credits at level 3. Grade required: pass overall. Kite-marked and Open College Network validated courses will be considered. We welcome applicants without traditional entry qualifications, as we base decisions on our own assessment of qualifications, knowledge and previous work experience. We may waive formal entry requirements based on judgement of academic potential. No formal entry requirements; however, good numeracy and literacy skills are required, as well as basic computer skills. These will be assessed from the application or, if necessary, by taking a short mathematics and written English test at a selection evening.

16	**Learning Outcomes**
	• To equip students with a comprehensive and up-to-date range of skills in the area of computing, IT, and web development that will enable them to maximize their employability in the IT and related sectors. • To provide students with the opportunities to put skills and knowledge into practice in a work-related context. • To provide students with an appropriate theoretical framework that will underpin the practical skills developed on the Degree. • To encourage students to think critically. • To enhance the employability of graduates by providing them with a range of transferable skills applicable to the work environment. • To prepare students for study at higher levels through the teaching of an extensive range of academic skills and subject knowledge.

17	**Learning, teaching and assessment methods**
	Teaching and learning methods have been selected that contribute to the development of academic knowledge and understanding, practical IT skills and the ability to function effectively in a vocational context. They include: • Lab-based practical instruction • Experiential learning in an work-related setting • Class-based lectures/instruction • Class-based seminars Approaches to teaching and learning methods that foster the development of competent IT professionals will also be employed. These will include group work, problem-based learning, discovery-based learning and independent self-study. In addition, teaching and learning will have a strong focus on the world of work throughout. Students will be taught about the IT industry, about IT roles, professionalism, and finding employment. Study skills support for students will be provided by the School learning support team, and through access to library and online support materials. Teaching will take place face to face and remotely through a Virtual Learning Environment. The digital, online element will give students flexible access to learning materials, and promote learner independence and IT literacy. Students must obtain 240 credits of which at most 30 credits can be compensated fails. 90 credits must be at level 5. Modules at Level 4 do not contribute to the final classification of the FdWT. **Assessment classification:** • Distinction: >= 70% • Merit: >=60% & < =69% • Pass: >=40% & <=59% • Fail: <=39% **Assessment methods:** Assessment is determined by the nature of the materials and skills of each module within the Programme. Assessment methods will include: written and or oral examination; written coursework; presentation based coursework; group based coursework; in-class quiz/test; and portfolio.

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18	**Programme Description**
	The Foundation Degree Computing/IT/Web Development aims to develop the knowledge, technical and transferable skills needed by those working, or seeking to work in areas related to IT, Computing and Web Technologies. There are three available pathways: Computing, IT and Web Technologies. A common first year for all three pathways covers: programming, web development, database development, mathematics, systems analysis and design and teamwork skills. In subsequent years, the computing pathway focuses on computer networks, programming and algorithms. The IT pathway focuses on web programming and E-business. The web development pathway focuses on web development using web standards and open source technologies. Programming and mark-up languages covered include: HTML, CSS, XML, Java, JavaScript, jQuery, PHP. All students complete a work-related final year project

19	**Programme Structure**			
Full Time programme				
Year 1 (Common)				
Level	**Module Code**	**Module Title**	**Credits**	**Status***
4	COIY067H4	Fundamentals of Information Technology	15	Compulsory
4	SSCS004H4	Introduction to Web Authoring	15	Compulsory
4	COIY068H4	Introduction to Database Technology	15	Compulsory
4	BUCI006H4	Problem Solving for Programming	15	Compulsory
4	COIY016H4	Systems Analysis and Design I	15	Compulsory
4	BUCI007H4	Introduction to Programming	15	Compulsory
4	COIY040H4	Maths for Computing	15	Compulsory
5	BUCI005H5	Working in Teams	15	Compulsory
Year 2: Computing Pathway				
Level	**Module Code**	**Module Title**	**Credits**	**Status***
5	BUCI036H5	Computer Networking	15	Compulsory
5	COIY069S5	Work-Related Project	30	Compulsory
5	COIY019H5	Systems Analysis and Design II	15	Compulsory
4	BUCI087H4	Software and Programming I	15	Compulsory
5	BUCI030H5	Data Structures and Algorithms	15	Compulsory
5		Option 1	15	Optional
5		Option 2	15	Optional
Year 2: IT Pathway				
5	COIY042H5	E-Business	15	Compulsory
5	COIY069S5	Work-Related Project	30	Compulsory
5	COIY019H5	Systems Analysis and Design II	15	Compulsory
4	BUCI087H4	Software and Programming I	15	Compulsory
5	SSCS025H5	Web Programming using PHP	15	Compulsory
5		Option 1	15	Optional
5		Option 2	15	Optional

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Year 2: Web Development Pathway				
5	SSCS019H5	JavaScript	15	Compulsory
5	BUCI051H5	Advanced Web Authoring	15	Compulsory
5	COIY069S5	Work-Related Project	30	Compulsory
5	COIY019H5	Systems Analysis and Design II	15	Compulsory
4	BUCI087H4	Software and, Programming I	15	Compulsory
5		Option 1	15	Compulsory
5		Option 2	15	Compulsory

Indicative Options					
Level	**Module Code**	**Module Title**	**Pathway Availability**	**Credits**	**Status**
5	SSCS025H5	Web Programming using PHP	Comp, WD	15	Optional
5	COIY042H5	E-business	Comp, WD	15	Optional
5	BUCI044H5	Mobile Application Development	Comp, IT, WD	15	Optional
5	BUCI051H5	Advanced Web Authoring	Comp, IT	15	Optional
5	SSCS019H5	JavaScript	Comp, IT	15	Optional

Part-time programme				
Year 1 (Common)				
Level	**Module Code**	**Module Title**	**Credits**	**Status***
4	COIY067H4	Fundamentals of Information Technology	15	Compulsory
4	SSCS004H4	Introduction to Web Authoring	15	Compulsory
4	COIY068H4	Introduction to Database Technology	15	Compulsory
4	BUCI006H4	Problem Solving for Programming	15	Compulsory
4	COIY016H4	Systems Analysis and Design I	15	Compulsory
4	COIY040H4	Maths for Computing	15	Compulsory
Year 2: Computing Pathway				
Level	**Module Code**	**Module Title**	**Credits**	**Status***
5	BUCI030H5	Data Structures and Algorithms	15	Compulsory
4	BUCI007H4	Introduction to Programming	15	Compulsory
5	BUCI005H5	Working in Teams	15	Compulsory
5		Option 1	15	Optional
5		Option 2	15	Optional
5	COIY019H5	Systems Analysis and Design II	15	Compulsory
Year 3: Computing Pathway				
4	BUCI087H4	Software and Programming I	15	Compulsory
5	BUCI036H5	Computer Networking	15	Compulsory
5	COIY069S5	Work-Related Project	30	Compulsory
Year 2: IT Pathway				
4	BUCI007H4	Introduction to Programming	15	Compulsory
5	BUCI005H5	Working in Teams	15	Compulsory
5	SSCS025H5	Web Programming using PHP	15	Compulsory
5		Option 1	15	Optional
5		Option 2	15	Optional
5	COIY019H5	Systems Analysis and Design II	15	Compulsory

Year 3: IT Pathway				
5	COIY042H5	E-Business	15	Compulsory
5	COIY069S5	Work-Related Project	30	Compulsory
4	BUCI087H4	Software and Programming I	15	Compulsory
Year 2: Web Development Pathway				
4	BUCI007H4	Introduction to Programming	15	Compulsory
5	BUCI005H5	Working in Teams	15	Compulsory
5	SSCS019H5	JavaScript	15	Compulsory
5	BUCI051H5	Advanced Web Authoring	15	Compulsory
5		Option 1	15	Compulsory
5	COIY019H5	Systems Analysis and Design II	15	Compulsory
Year 3: Web Development Pathway				
5		Option 2	15	Compulsory
4	BUCI087H4	Software and Programming I	15	Compulsory
5	COIY069S5	Work-Related Project	30	Compulsory
Options				
Level	**Module Code**	**Module Title**	**Pathway Availability**	**Credits**	**Status***
5	SSCS025H5	Web Programming using PHP	Comp, WD	15	Optional
5	COIY042H5	E-business	Comp, WD	15	Optional
5	BUCI044H5	Mobile Application Development	Comp, IT, WD	15	Optional
5	BUCI051H5	Advanced Web Authoring	Comp, IT	15	Optional
5	SSCS019H5	JavaScript	Comp, IT	15	Optional
Part-time programme (January start)					
Year 1 (Common)					
Level	**Module Code**	**Module Title**		**Credits**	**Status***
4	COIY067H4	Fundamentals of Information Technology		15	Compulsory
4	SSCS004H4	Introduction to Web Authoring		15	Compulsory
4	COIY068H4	Introduction to Database Technology		15	Compulsory
4	BUCI006H4	Problem Solving for Programming		15	Compulsory
Year 2: Computing Pathway					
Level	**Module Code**	**Module Title**		**Credits**	**Status***
4	COIY040H4	Maths for Computing		15	Compulsory
4	BUCI007H4	Introduction to Programming		15	Compulsory
4	COIY016H4	Systems Analysis and Design I		15	Compulsory
5	BUCI005H5	Working in Teams		15	Compulsory
5		Option 1		15	Optional
5		Option 2		15	Optional
Year 3: Computing Pathway					
5	BUCI036H5	Computer Networking		15	Compulsory
5	COIY019H5	Systems Analysis and Design II		15	Compulsory
4	BUCI087H4	Software and Programming I		15	Compulsory
5	BUCI030H5	Data Structures and Algorithms		15	Compulsory
5	COIY069S5	Work-Related Project		30	Compulsory

Year 2: IT Pathway				
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Year 3: IT Pathway				
5	COIY042H5	E-Business	15	Compulsory
5	COIY019H5	Systems Analysis and Design II	15	Compulsory
4	BUCI087H4	Software and Programming I	15	Compulsory
5	COIY069S5	Work-Related Project	30	Compulsory
5		Option 2	15	Optional
Year 2: Web Development Pathway				
4	COIY040H4	Maths for Computing	15	Compulsory
4	BUCI007H4	Introduction to Programming	15	Compulsory
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Year 3: Web Development Pathway				
5		Option 1	15	Compulsory
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4	BUCI087H4	Software and Programming I	15	Compulsory
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Options

Level	Module Code	Module Title	Pathway Availability	Credits	Status
5	SSCS025H5	Web Programming using PHP	Comp, WD	15	Optional
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5	BUCI044H5	Mobile Application Development	Comp, IT, WD	15	Optional
5	BUCI051H5	Advanced Web Authoring	Comp, IT	15	Optional
5	SSCS019H5	JavaScript	Comp, IT	15	Optional

Status*

CORE – Module must be taken and passed by student; COMPULSORY – Module must be taken, mark can be reviewed at sub-exam board; OPTIONAL – Student can choose to take this module

20	**Programme Director**	Gordon McIntyre
21	**Start Date** ***(term/year)***	October 2011
22	**Date approved by TQEC**	Spring 2010
23	**Date approved by Academic Board**	Summer 2010
24	**Date(s) updated/amended**	February 2022