Year of entry: 2021/22



# **Programme Specification**

1	Awarding body	Univer	University of London				
2	Teaching Institution	Birkbe	Birkbeck College				
3	Programme Title(s)	FdSc C	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:	1101					
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	Х	PT	Х	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	Founda	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.

#### <sup>15</sup> 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.

Year of entry: 2021/22



## 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%</li>Pass: >=40% & <=59%</li>

• 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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Optional

## 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.

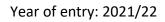
There are three available pathways: Computing, IT and Web Technologies. A common first year for all three pathways covers: programming, web development, database development, mathematics, systems analysis and design and teamwork skills. In subsequent years, the computing pathway focuses on computer networks, 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

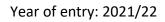
Option 2

Programme Structure					
Full Time programme					
Year 1 (Common)					
Level	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 Compulsor		Compulsory		
4	BUCI006H4 Problem Solving for Programming 15 Compulso		Compulsory		
4	COIY016H4	Systems Analysis and Design I	15	Compulsory	
4	BUCI007H4	Introduction to Programming 15 Compulso		Compulsory	
4	COIY040H4			Compulsory	
5	5 BUCI005H5 Working in Teams 15 Compuls		Compulsory		
Year 2: Computing Pathway					
Level	Module Code	Module Title	Credits	Status*	
			Credits 15	Status* Compulsory	
Level	Module Code	Module Title			
<b>Level</b> 5	Module Code BUCI036H5	Module Title Computer Networking	15	Compulsory	
Level 5	Module Code BUCI036H5 COIY069S5	Module Title Computer Networking Work-Related Project	15 30	Compulsory Compulsory	
5 5 5	Module Code BUCI036H5 COIY069S5 COIY019H5	Module Title Computer Networking Work-Related Project Systems Analysis and Design II	15 30 15	Compulsory Compulsory Compulsory	
5 5 5 4 5	Module Code BUCI036H5 COIY069S5 COIY019H5 BUCI087H4	Module Title Computer Networking Work-Related Project Systems Analysis and Design II Software and Programming I	15 30 15 15	Compulsory Compulsory Compulsory Compulsory	
5 5 5 4 5	Module Code BUCI036H5 COIY069S5 COIY019H5 BUCI087H4	Module Title  Computer Networking  Work-Related Project  Systems Analysis and Design II  Software and Programming I  Data Structures and Algorithms	15 30 15 15 15	Compulsory Compulsory Compulsory Compulsory Compulsory	
5 5 5 4 5 5	Module Code BUCI036H5 COIY069S5 COIY019H5 BUCI087H4	Module Title  Computer Networking  Work-Related Project  Systems Analysis and Design II  Software and Programming I  Data Structures and Algorithms  Option 1	15 30 15 15 15 15	Compulsory Compulsory Compulsory Compulsory Compulsory Optional	
5 5 5 4 5 5	Module Code BUCI036H5 COIY069S5 COIY019H5 BUCI087H4 BUCI030H5	Module Title  Computer Networking  Work-Related Project  Systems Analysis and Design II  Software and Programming I  Data Structures and Algorithms  Option 1	15 30 15 15 15 15	Compulsory Compulsory Compulsory Compulsory Compulsory Optional	
5 5 4 5 5 7 4 5 7 5 7 8	Module Code BUCI036H5 COIY069S5 COIY019H5 BUCI087H4 BUCI030H5	Module Title  Computer Networking  Work-Related Project  Systems Analysis and Design II  Software and Programming I  Data Structures and Algorithms  Option 1  Option 2	15 30 15 15 15 15 15 15	Compulsory Compulsory Compulsory Compulsory Compulsory Optional Optional	
5 5 4 5 5 7 5 7 5 5 5 5 5 5 5 5 5 7 6 5 5 5 7 6 6 6 6	Module Code BUCI036H5 COIY069S5 COIY019H5 BUCI087H4 BUCI030H5	Module Title  Computer Networking  Work-Related Project  Systems Analysis and Design II  Software and Programming I  Data Structures and Algorithms  Option 1  Option 2  E-Business	15 30 15 15 15 15 15 15	Compulsory Compulsory Compulsory Compulsory Compulsory Optional Optional Compulsory	
Level 5 5 5 4 5 5 5 Year 2: I 5 5	Module Code BUCI036H5 COIY069S5 COIY019H5 BUCI087H4 BUCI030H5  T Pathway COIY042H5 COIY069S5	Module Title  Computer Networking  Work-Related Project  Systems Analysis and Design II  Software and Programming I  Data Structures and Algorithms  Option 1  Option 2  E-Business  Work-Related Project	15 30 15 15 15 15 15 15 15 30	Compulsory Compulsory Compulsory Compulsory Optional Optional Compulsory Compulsory	
Level 5 5 5 4 5 5 5 7 Year 2: 1 5 5 5 5 5	Module Code BUCI036H5 COIY069S5 COIY019H5 BUCI087H4 BUCI030H5  T Pathway COIY042H5 COIY069S5 COIY019H5	Module Title  Computer Networking  Work-Related Project  Systems Analysis and Design II  Software and Programming I  Data Structures and Algorithms  Option 1  Option 2  E-Business  Work-Related Project  Systems Analysis and Design II	15 30 15 15 15 15 15 15 15 15	Compulsory Compulsory Compulsory Compulsory Optional Optional Compulsory Compulsory Compulsory Compulsory	



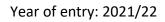


Year 2: V	Neb Developmen	nt Pathway			
5	SSCS019H5	JavaScript		15	Compulsory
5	BUCI051H5	Advanced Web Authoring		15	Compulsory
5	COIY069S5	Work-Related Project		30	Compulsory
5	COIY019H5	Systems Analysis and Design II		15	Compulsory
4	BUCI087H4	Software and, Programming I		15	Compulsory
5		Option 1		15	Compulsory
5		Option 2	15	Compulsory	
Indicativ	e 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	1.7		Optional
5	BUCI051H5	Advanced Web Authoring	Comp, IT	15	Optional
5	SSCS019H5	JavaScript	Comp, IT	15	Optional
Part-tim	e programme		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: 0	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: 0	Computing Pathw	vay			
4	BUCI087H4	Software and Programming I		15	Compulsory
5	BUCI036H5	Computer Networking		15	Compulsory
5	COIY069S5	Work-Related Project		30	Compulsory
Year 2: I	T 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: I	T Pathway				
5	COIY042H5	E-Business		15	Compulsory
5	COIY069S5	Work-Related Project		30	Compulsory
4	BUCI087H4	Software and Programming I	15	Compulsory	
Year 2: V	Neb Developmen	t 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: V	Neb Developmen	t Pathway		<del>-</del>	
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 Comp, IT, WD Development		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 (0	Common)				
Level	Module Code	Module Title		Credits	Status*
4	COIY067H4	Fundamentals of Information 1	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: C	Computing Pathw	vay			
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: C	Computing Pathw	vay			
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: I	T Pathway				
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	SSCS025H5	Web Programming using PHP		15	Compulsory
Year 3: I	T 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: V	Veb Developmen	t Pathway			
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	SSCS019H5	JavaScript		15	Compulsory
5	BUCI051H5	Advanced Web Authoring 15 Comp		Compulsory	
Year 3: Web Development Pathway					
5		Option 1		15	Compulsory
5		Option 2		15	Compulsory
4	BUCI087H4	Software and Programming I		15	Compulsory
5	COIY069S5	Work-Related Project		30	Compulsory
5	COIY019H5	Systems Analysis and Design II		15	Compulsory
Options					
Level	Module Code	Module Title	Pathway	Credits	Status
			Availability		_
5	SSCS025H5	Web Programming using PHP	Comp, WD	15	Optional
5	COIY042H5	E-business	Comp, WD	15	Optional
5	BUCI044H5	Mobile Application Comp, IT, WD		15	Optional
	D. 1016 - 111 -	Development		4-	
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