Department of Computer Science and Information Systems

BSc Data Science and Computing Schedule 2021/22

Updated Tuesday 19 October 2021

1. Term Dates

Term dates and college closure dates are detailed on the <u>college website</u>.

2. Introductory Talks

Introductory talks for new students take place in the week preceding the start of term. The talks will include an introduction from the programme director, a hands-on introduction to the departmental computer systems and short presentations by representatives from the library and student services.

3. Locations

Personal timetables, including the teaching venues, are provided through My Birkbeck. You are advised to check your person timetable before each lecture because room bookings can change at short notice. A general timetable for the week ahead is available on the department website.

4. Attendance

Students should attend lectures during term time as shown in the timetables. If students are unable to attend lectures, they should consult Moodle to obtain copies of any material distributed in class. Any student who decides to withdraw from the programme should inform the Programme Administrator. It is especially important for international students that they inform the department about any absence.

5. Credits

Students must obtain at least 360 credits of which at least 120 credits must be at level 6. The total value of the modules taken in a single year should not exceed 120 credits. In the timetable below modules are 15 credits unless otherwise stated.

6. Timetables

Below is the timetable for the modules. For details regarding module aims, syllabus, prerequisites, assessment and recommend reading please consult the department website.

https://www.dcs.bbk.ac.uk/study/undergraduate/bsc-in-data-science-and-computing/#modules

All modules shown below are taught from 18:00-21:00, unless indicated otherwise.

6.1 Part-time Study Schedule

Term	Day	Module	Prerequisites	Level	Mode of study
Year 1	•		<u>-</u>		
Autumn	Mon	Mathematics for Computing	None	4	Online
Autumn	Tue	Introduction to Programming	None	4	Online (with option to attend lab sessions in person)
Autumn	Wed	Introduction to Database Technology	None	4	Online
Spring	Mon	Systems Analysis and Design I	None	4	Online
Spring	Tue	Introduction to Computer Systems	None	4	Online
Spring	Wed	Foundations of Data Science I	ITP	5	Online (with option to attend lab sessions in person)
Year 2					•
Autumn	Wed	Foundations of Data Science II	FDS1	5	Online (with option to attend lab sessions in person)
Autumn	Thu	Software Engineering I	None	5	Online
Autumn	Fri	Data Structures and Algorithms	ITP or SP1	5	Online
Spring	Mon	Introduction to Web Authoring	None	4	Online
Spring	Wed	Systems Analysis and Design II	SAD1	5	Online
Spring	Thu	Software and Programming I	ITP	5	Online (with option to attend lab sessions in person)
Year 3		last a 15 and it antional ma	dula (ana anation	(2)	•
	Mon	elect a 15 credit optional model Information Security	None	6.3). 6	Online
Autumn Autumn	Tue	Introduction to Data Analytics using R	None	6	Online (with option to attend lab sessions in person)
Spring	Mon	Database Management	ITP, ICS, SAD1, SAD2	6	Online (with option to attend lab sessions in person)
Spring	Tue	Software Engineering II	SE1	6	Online
Spring	Fri	Computer Networking	None	5	Online
Year 4 Students project (1		elect a 15 credit optional mo	odule (see section	6.3) and	complete a 30 credit
Autumn	Tue	Professional Issues in Computing	None	6	Online

Spring	Wed	Data Science	IDAR	6	Online (with option
		Applications and			to attend lab
		Techniques			sessions in person)
Spring	Thu	Concepts of Machine	FDS2	6	Online (with option
		Learning			to attend lab
					sessions in person)

6.2 Full-time Study Schedule

Year 1 Autumn Mon Mathematics for Computing Computing (14:00-17:00) None 4 Online Autumn Tue Introduction to Programming (14:00-17:00) None 4 Online (with option to attend lab sessions in person) Autumn Tue Tue Introduction to Database Technology None 4 Online Autumn Thu Introduction to Web Authoring None 4 Online Spring Tue Introduction to Web Authoring None 4 Online Spring Spring Tue Introduction to Science I Tue Computer Systems Tue Computer Systems Tue Online (with option to attend lab sessions in person) Spring Thu Science I Tue	Term	Day	Module	Prerequisites	Level	Mode of study
Computing (14:00-17:00)		•		•		
Autumn Autumn Autumn Burn Burn Burn Burn Burn Burn Burn Bur	Autumn	Mon	Computing	None	4	Online
Autumn Path Rutumn Autumn Path Rutumn Path	Autumn	Tue	Introduction to Programming	None	4	to attend lab
Springs Tue Computer Systems Introduction to Computer Systems None 4 Online Spring Wed Foundations of Data ITP 5 Online (with option to attend lab sessions in person) Spring Thu Software and Programming I (14:00-17:00) None 5 Online (with option to attend lab sessions in person) Spring Fri Systems Analysis and Design I (14:00-17:00) None 4 Online Year 2 Students "sust sust sust sust is sust in Personal Issues in Design I (14:00-17:00) None 6 Online Autumn Tue Professional Issues in Computing None 6 Online Autumn Wed Foundations of Data Posta FDS1 5 Online Autumn Thu Software Engineering I None 5 Online Autumn Tri Data Structures and ITP or SP1 5 Online Spring Tue Software Engineering II SE1 6 Online Spring Tue Software Engineering II Sel 6 Online Spring Fri <td< td=""><td>Autumn</td><td>Wed</td><td>Introduction to Database</td><td>None</td><td>4</td><td></td></td<>	Autumn	Wed	Introduction to Database	None	4	
Spring Wed Foundations of Data ITP 5 Online (with option to attend lab sessions in person) Spring Thu Software and None 5 Online (with option to attend lab sessions in person) Spring Thu Software and None 5 Online (with option to attend lab sessions in person) Spring Fri Systems Analysis and None 4 Online Spring Fri Systems Analysis and None 4 Online Spring Tusting Professional Issues in Sustem Autumn Tusting Professional Issues in None 6 Online Computing Computing Autumn Tusting Professional Issues in None 5 Online Autumn Thu Software Engineering I None 5 Online Autumn Thi Data Structures and ITP or SP1 5 Online Algorithms Algorithms Spring Tusting Systems Analysis and SAD1 5 Online Spring Tusting Systems Analysis and SAD1 5 Online Spring Tusting Systems Analysis and SAD1 5 Online Spring Fri Computer Networking None 5 Online	Autumn	Thu		None	4	Online
Spring Thu Programming I to attend lab sessions in person) Spring Fri Systems Analysis and Design I (14:00-17:00) Team 1	Spring	Tue		None	4	Online
Programming I to attend lab sessions in person) Spring Fri Systems Analysis and Design I (14:00-17:00) Year 2 Students must select a 15 credits optional module (see section 6.3). Autumn Tue Professional Issues in Computing Autumn Wed Foundations of Data FDS1 5 Online Science II Autumn Thu Software Engineering I None 5 Online Autumn Fri Data Structures and ITP or SP1 5 Online Autumn Fri Software Engineering II SE1 6 Online Spring Tue Software Engineering II SE1 6 Online Spring Tue Software Engineering II SE1 6 Online Spring Fri Computer Networking None 5 Online Spring Fri Computer Networking None 5 Online Year 3 Students must select a 15 credit optional module (see section 6.3) and complete a 30 credit project (level 6).	Spring	Wed		ITP	5	to attend lab
Spring Fri Systems Analysis and Design I (14:00-17:00) Vear 2	Spring	Thu	Programming I	None	5	to attend lab
Autumn Tue Professional Issues in None 6 Online Computing Autumn Wed Foundations of Data FDS1 5 Online Science II Autumn Thu Software Engineering I None 5 Online Autumn Fri Data Structures and ITP or SP1 5 Online Spring Tue Software Engineering II SE1 6 Online Spring Wed Systems Analysis and SAD1 5 Online Spring Fri Computer Networking None 5 Online Year 3 Students must select a 15 credit optional module (see section 6.3) and complete a 30 credit project (level 6).	Spring	Fri	•	None	4	
AutumnTue ComputingProfessional Issues in ComputingNone6OnlineAutumnWed Science IIFoundations of Data Science IIFDS15OnlineAutumnThuSoftware Engineering INone5OnlineAutumnFriData Structures and AlgorithmsITP or SP15OnlineSpringTueSoftware Engineering IISE16OnlineSpringWedSystems Analysis and Design IISAD15OnlineSpringFriComputer NetworkingNone5OnlineYear 3Students must select a 15 credit optional module (see section 6.3) and complete a 30 credit project (level 6).					- -	
Autumn Wed Foundations of Data FDS1 5 Online Autumn Thu Software Engineering I None 5 Online Autumn Fri Data Structures and ITP or SP1 5 Online Algorithms Spring Tue Software Engineering II SE1 6 Online Spring Wed Systems Analysis and SAD1 5 Online Spring Fri Computer Networking None 5 Online Year 3 Students must select a 15 credit optional module (see section 6.3) and complete a 30 credit project (level 6).						
Science IIAutumnThuSoftware Engineering INone5OnlineAutumnFriData Structures and AlgorithmsITP or SP15OnlineSpringTueSoftware Engineering IISE16OnlineSpringWedSystems Analysis and Design IISAD15OnlineSpringFriComputer NetworkingNone5OnlineYear 3Students must select a 15 credit optional module (see section 6.3) and complete a 30 credit project (level 6).	Autumn	Tue	Computing			
Autumn Fri Data Structures and ITP or SP1 5 Online Algorithms Spring Tue Software Engineering II SE1 6 Online Spring Wed Systems Analysis and SAD1 5 Online Design II Spring Fri Computer Networking None 5 Online Year 3 Students must select a 15 credit optional module (see section 6.3) and complete a 30 credit project (level 6).	Autumn	Wed		FDS1	5	Online
Spring Tue Software Engineering II SE1 6 Online Spring Wed Systems Analysis and SAD1 5 Online Design II Spring Fri Computer Networking None 5 Online Year 3 Students must select a 15 credit optional module (see section 6.3) and complete a 30 credit project (level 6).	Autumn	Thu	Software Engineering I	None	5	Online
SpringTueSoftware Engineering IISE16OnlineSpringWedSystems Analysis and Design II5OnlineSpringFriComputer NetworkingNone5OnlineYear 3Students must select a 15 credit optional module (see section 6.3) and complete a 30 credit project (level 6).	Autumn	Fri		ITP or SP1	5	Online
Design II Spring Fri Computer Networking None 5 Online Year 3 Students must select a 15 credit optional module (see section 6.3) and complete a 30 credit project (level 6).	Spring	Tue		SE1	6	Online
Year 3 Students must select a 15 credit optional module (see section 6.3) and complete a 30 credit project (level 6).	Spring	Wed		SAD1	5	Online
Students must select a 15 credit optional module (see section 6.3) and complete a 30 credit project (level 6).	Spring	Fri	Computer Networking	None	5	Online
	Students		-	dule (see section	6.3) and	complete a 30 credit
				None	6	Online

Autumn	Tue	Introduction to Data	None	6	Online (with option
		Analytics using R			to attend lab
		(14:00-17:00)			sessions in person)
Spring	Mon	Database Management	ITP, ICS,	6	Online (with option
		_	SAD1, SAD2		to attend lab
					sessions in person)
Spring	Wed	Data Science	IDAR	6	Online (with option
		Applications and			to attend lab
		Techniques			sessions in person)
Spring	Thu	Concepts of Machine	FDS2	6	Online (with option
		Learning			to attend lab
		-			sessions in person)

6.3 Optional Modules

Optional module availability is subject to timetabling constraints and student demand. If an optional module is over-subscribed, available places will be allocated on a first-come, first-served basis determined by the date you return your module choice form.

Term	Day	Module	Prerequisites	Level	Mode of study
Autumn	Mon	Calculus 2 (30 credit,	A-level	5	Online lectures
		continues in Spring)	mathematics		with in-person
					tutorials
Autumn	Mon	Introduction to Semantic	None	6	Online (with option
		Technologies			to attend lab
					sessions in person)
Autumn	Mon	JavaScript	IWA, PSP	5	Online
Autumn	Mon	Mobile Web Application	IWA, JV	5	Online
		Development			
Autumn	Wed	Programming Language	SP2	6	Online (with option
		Paradigms			to attend lab
					sessions in person)
Autumn	Wed	Software and	SP1	6	Online (with option
		Programming II			to attend lab
		(14:00-17:00 or 18:00-			sessions in person)
		21:00)			
Autumn	Thu	E-business	None	5	Online
Spring	Mon	Calculus 2 (30 credits,	A-level	5	Online lectures
		starts in Autumn)	mathematics		with in-person
					tutorials
Spring	Mon	Web Data with XML,	IWA, JV	5	Online
		JSON and AJAX			
Spring	Tue	Advanced Web	IWA or	5	Online
		Authoring	knowledge of		
			HTML and		
			CSS		
Spring	Tue	Mobile Web Application	IWA, JV	5	Online
		Development			

Spring	Tue	Software and	SP2	6	Online (with option
		Programming III			to attend lab
		(14:00-17:00)			sessions in person)
Spring	Thu	JavaScript	IWA, PSP	5	Online
Spring	Fri	Cloud Computing	SP2	6	Online
		Concepts			