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 college website.

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					
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 Students must select a 15 credit optional module (see section 6.3).					
Autumn	Mon	Information Security	None	6	Online
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 must select a 15 credit optional module (see section 6.3) and complete a 30 credit project (level 6).					
Autumn	Tue	Professional Issues in Computing	None	6	Online

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

6.2 Full-time Study Schedule

Term	Day	Module	Prerequisites	Level	Mode of study
Year 1					
Autumn	Mon	Mathematics for 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	Wed	Introduction to Database Technology	None	4	Online
Autumn	Thu	Introduction to Web Authoring	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)
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 must select a 15 credits optional module (see section 6.3).					
Autumn	Tue	Professional Issues in Computing	None	6	Online
Autumn	Wed	Foundations of Data Science II	FDS1	5	Online
Autumn	Thu	Software Engineering I	None	5	Online
Autumn	Fri	Data Structures and Algorithms	ITP or SP1	5	Online
Spring	Tue	Software Engineering II	SE1	6	Online
Spring	Wed	Systems Analysis and Design II	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).					
Autumn	Mon	Information Security	None	6	Online

Autumn	Tue	Introduction to Data Analytics using R (14:00-17:00)	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	Wed	Data Science Applications and Techniques	IDAR	6	Online (with option to attend lab sessions in person)
Spring	Thu	Concepts of Machine Learning	FDS2	6	Online (with option 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, continues in Spring)	A-level mathematics	5	Online lectures with in-person tutorials
Autumn	Mon	Introduction to Semantic Technologies	None	6	Online (with option to attend lab sessions in person)
Autumn	Mon	JavaScript	IWA, PSP	5	Online
Autumn	Mon	Mobile Web Application Development	IWA, JV	5	Online
Autumn	Wed	Programming Language Paradigms	SP2	6	Online (with option to attend lab sessions in person)
Autumn	Wed	Software and Programming II (14:00-17:00 or 18:00-21:00)	SP1	6	Online (with option to attend lab sessions in person)
Autumn	Thu	E-business	None	5	Online
Spring	Mon	Calculus 2 (30 credits, starts in Autumn)	A-level mathematics	5	Online lectures with in-person tutorials
Spring	Mon	Web Data with XML, JSON and AJAX	IWA, JV	5	Online
Spring	Tue	Advanced Web Authoring	IWA or knowledge of HTML and CSS	5	Online
Spring	Tue	Mobile Web Application Development	IWA, JV	5	Online

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