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## BSc (Hons) Computer Science

Dista	ance	Lear	ning			
Semester		ter	Module	Module Code Credit Points		Type of Assessment
FT	PT I	PTI				
1. Semester (Level 4)	ter	ester	Introduction to Computer Science	LIBFEXDLBCSICS	15	Exam
	Semest	Seme	Mathematics I	LIBFEXDLBCSM1	15	Exam
	1.	2. ester	Collaborative Work	LIBFOARPDLBCSCW	15	Oral Assignment + Reflection Paper
	ter	Sem	Computer Architecture and Operating Systems	LIBFEXDLBCSCAOS	15	Exam
2. Semester (Level 4)	Semes	3. Semester	Database Modeling and Database Systems	LIBFEXDLBCSDMDS	15	Exam
	2.		Requirements Engineering	LIBFEXDLBCSRE	15	Exam
	ster	4. iester	Computer Networks and Distributed Systems	LIBFEXDLBCSCNDS	15	Exam
	Seme	Sem 4	Introduction to Programming with Python	LIBFEXDLBDSIPWP	15	Exam
el 5)	с,	5. Semester	Introduction to Academic Work	LIBFAWDLBCSIAW	15	Advanced Workbook
3. Semester (Leve	ter		Algorithms, Data Structures, and Programming Languages	LIBFAWDLBCSL	15	Advanced Workbook
	Semes	6. Semester	Theoretical Computer Science and Mathematical Logic	LIBFAWDLBCSTCSML	15	Advanced Workbook
	4		Web Application Development	LIBFAWDLBCSWAD	15	Advanced Workbook
4. Semester (Level 5)	iter	7. Semester	Project: Build a Data Mart in SQL	LIBFOPRRPDLBDSPBDM	15	Oral Project Report + Reflection Paper
	Semes		Project: Software Engineering	LIBFOPRRPDLBCSPSE	15	Oral Project Report + Reflection Paper
	ы С	8. ester	Elective A1		15	
	ter	Sem	Elective A2		15	
5. Semester (Level 6)	Semes	9. Semester	Computer Science and Society	LIBFWAWADLBCSCSAS	15	Written Assessment: Written Assignment
	ö		Seminar: Current Topics in Computer Science	LIBFWAREDLBCSSCTCS	15	Written Assessment: Research Essay
	ter	10. Semester	Elective B1		15	
	Semest		Elective B2		15	
el 6)	7. 5	ster	Elective C1		15	
6. Semester (Leve	ster	11 Seme	Elective C2		15	
	8. Seme	12. Semester	Bachelor Thesis	LIBFBTDLBBT	30	Bachelor Thesis
	Total	i			360	

FT: Full-Time, 36 months PT I: Part-Time I, 48 months T II: Part-Time II, 72 months

The sequence of the modules is to be strictly followed

Electives				
Elective A		Elective B	Elective C	
Change Management	Software Engineering	Techniques and methods for agile software development	Seminar: Software Engineering	
		Project: Agile Software Engineering	Project: Software Development	
Agile Project Management	IT Operations and PM	IT Service Management	IT Project Management	~ Electives: You can choose two elective modules from
Introduction to Process Management		Project: IT Service Management	IT Architecture Management	each elective area. You can
Object oriented and functional programming with Python	Cyber Security	Introduction to Data Protection and Cyber Security Cryptography	Technical and Operational IT Security Concepts Project: Configuration and	or follow our suggested combinations to stay in a specific subject area (only relevant for elective areas
Data Science Software Engineering			Application of SIEM Systems	and C). In total, a subject
	Big Data & Business	Big Data Technologies	Business Intelligence	area consists of four electiv
ernship I		Cloud Computing	Project: Business Intelligence	modules.
Internship II	Artificial Intelligence	Artificial Intelligence Project: Artificial Intelligence	Self-Driving Vehicles Seminar: Current Topics and Trends in Self- Driving Technology	