WALBROOK Institute London
Distance Learning

BSc (Hons) Cyber Security

Semester			Module	Module Code	Credit Points	Type of Assessment
FT	PT I	PT II				
1. Semester (Level 4)	1. Semester	1. Semester	Operating Systems, Computer Networks, and Distributed Systems	LIBFEXDLBIBRVS_E	15	Exam
			Introduction to Programming with Python	LIBFEXDLBDSIPWP	15	Exam
		2. Semester	Mathematics: Analysis	LIBFEXDLBDSMFC	15	Exam
	2. Semester		Statistics - Probability and Descriptive Statistics	LIBFEXDLBDSSPDS-01	15	Exam
2. Semester (Level 4)		3. Semester	Collaborative Work	LIBFOARPDLBCSCW	15	Oral Assignment + Reflection Paper
			Fundamentals of Data Protection and Cyber Security	LIBFEXDLBCSIDPITS	15	Exam
3. Semester (Level 5)	3. Semester	4. Semester	Introduction to Network Security	LIBFEXDLBCSEINF_E	15	Exam
			System Pentesting Basics	LIBFEXDLBCSESPB_E	15	Exam
	4. Semester	5. Semester	Introduction to Academic Work for IT and Tech	LIBFAWDLBIAWITT	15	Advanced Workbook
			Algorithms, Data Structures, and Programming Languages	LIBFAWDLBCSL-01	15	Advanced Workbook
		6. Semester	Theoretical Computer Science and Mathematical Logic	LIBFAWDLBCSTCSML	15	Advanced Workbook
			Secure Software Development and Common Software Weaknesses	LIBFWACSDLBCSEDCSW_E	15	Written Assessment: Case Study
4. Semester (Level 5)	5. Semester	7. Semester	Cryptography	LIBFWAWADLBCSCT	15	Written Assessment: Written Assignment
			Host and Digital Forensics	LIBFWACSDLBCSEHSF_E	15	Written Assessment: Case Study
		8. Semester	Elective A1		15	
	6. Semester		Elective A2		15	
5. Semester (Level 6)		9. Semester	Information Security Standards	LIBFWAWADLBCSEISS_E	15	Written Assessment: Written Assignment
			Ethical Considerations in Data Science	LIBFWAREDLBDSSECDS	15	Written Assessment: Research Essay
	7. Semester	10. Semester	Elective B1		15	
			Elective B2		15	
6. Semester (Level 6)		11. Semester	Elective C1		15	
	8. Semester		Elective C2		15	
		12. Semester	Bachelor Thesis	LIBFBTDLBBT	30	Bachelor Thesis
Total			**360**			

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

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The sequence of the modules is to be strictly followed

Electives

Elective A

IT Law

Intercultural and Ethical Decision-Making

Artificial Intelligence

Project: AI Excellence with Creative Prompting Techniques

Social Engineering and Insider Threats

Project: Social Engineering

Internship I

Internship II

	Elective B	Elective C
Data Analysis & Business Intelligence	*Advanced Data Analysis* *Project: Data Analysis*	*Business Intelligence* *Project: Business Intelligence*
IT Operations & Project Management	*IT Service Management* *Project: IT Service Management*	*IT Project Management* *IT Architecture Management*
Software Engineering	*Techniques and Methods for Agile Software Development* *Project: Agile Software Engineering*	*Software Engineering* *Project: Software Development*
Cloud Programming and Computing & Data Engineering	*Cloud Programming* *Cloud Computing*	*Data Engineering* *Project: Data Engineering*
Future Threats & IT Security Consulting	*Requirements Engineering* *Threat Modeling*	*Technical and Operational IT Security Concepts* *Project: Configuration and Application of SIEM Systems* *Static and Dynamic Malware Analysis* *Seminar: Sandbox Interpretation*
Pentesting & Host Forensics	*Principles of Ethical Hacking* *Project: Pentesting*	

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Electives: You can choose two elective modules from each elective area. You can freely choose these modules or follow our suggested combinations to stay in a specific subject area (only relevant for elective areas B and C). In total, a subject area consists of four elective modules.