

Cybersecurity Engineering Technology

Semester 1

Code	Module	ECTS	Type
NTU100	Democracy and Human Rights	2.00	B
NTU101	English language	2.00	B
CYBT108	Mathematics	6.00	S
CYBT101	Fundamentals of Electrical Engineering	5.00	S
CYBT103	Fundamentals of Programming	5.00	C
CYBT100	Linux Administration	5.00	C
CYBT109	Engineering Drawing	3.00	B
CYBT102	Ethics of Information Age	2.00	S

Semester 2

Code	Module	ECTS	Type
NTU102	Computer 1	2.00	B
NTU103	Arabic Language	2.00	B
CYBT106	Digital Electronics	5.00	S
CYBT105	Introduction to Python Programming	6.00	C
CYBT104	Engineering Mathematics	6.00	S
CAIK100	Physics	3.00	S
CYBT107	Introduction to Cybersecurity	6.00	C

Semester 3

Code	Module	ECTS	Type
CYBT200	Fundamentals of Electronic Engineering	4.00	S
CYBT205	Discrete Math	4.00	C
CYBT201	Database systems	4.00	C
CYBT202	Python Programming for Cybersecurity	5.00	C
CYBT203	Operating Systems	4.00	C
NTU200	Bath Party Crimes	2.00	B
NTU201	English language	2.00	B
CYBT204	Computer Networks	5.00	C

Semester 4

Code	Module	ECTS	Type
CYBT206	Data structures	4.00	C
CYBT207	Probability & Statistics for Cybersecurity	6.00	C
CYBT208	Computer Organization and Architectures	5.00	S
CYBT209	Network Security	6.00	C
NTU203	Arabic Language	2.00	B
CYBT210	Network Administration and Infrastructure	4.00	C
NTU202	Computer 2	3.00	B

Semester 5

Code	Module	ECTS	Type
CYBT300	Introduction to Cryptography	6.00	C
CYBT301	Introduction to Hardware security	7.00	C
CYBT302	Communication Systems	5.00	S
CYBT303	Microprocessors	5.00	S
CYBT304	Database security	5.00	C
CAIK301	Entrepreneurial Capacity Building	2.00	B

Semester 6

Code	Module	ECTS	Type
CYBT305	Intrusion Detection and Prevention Systems	5.00	C
CYBT306	Cryptosystems	5.00	C
CYBT307	Operating system security	5.00	C
CYBT308	Mobile and Wireless Networks	5.00	C
CYBT309	Engineering Analysis	4.00	S
CYBT310	Cloud Computing Security	6.00	C

Semester 7

Code	Module	ECTS	Type
CYBT400	Mobile and Wireless Networks Security	6.00	C
CYBT401	Research Methodology	3.00	S
CYBT402	AI for Cybersecurity Engineering	6.00	C
CYBT403	Ethical Hacking and Penetration Testing	6.00	C
CYBT404	Applied Cryptosystems	3.00	C
CYBT405	Graduation Project Design	6.00	C

Semester 8

Code	Module	ECTS	Type
CYBT406	IT Project Management	6.00	C
CYBT407	Graduation Project Implementation	3.00	C
CYBT408	Digital Forensics	7.00	C
CYBT409	IoT's and Cybersecurity	7.00	C
CYBT410	Reverse Engineering-Malwares Analysis	7.00	C
CYBT406	IT Project Management	6.00	C