CYBER SECURITY AND ETHICAL HACKING, **TESTAMUR MAJOR (T145)**

Western Sydney University Major Code: T145

Available to students in other Western Sydney University programs?

Cyber Security is an essential aspect of today's information systems. The Cyber Security and Ethical Hacking major aims to develop graduates with skills in network security, cloud security, information security, in the ethical and legal aspects of activities in cyber space. With the widespread use of networked systems, protecting these systems from various attacks is more important than ever. Students apply system security knowledge and security protocols, from basic cryptography algorithms to their applications, in computer systems, networked systems, blockchain technologies and crypto currencies. Students learn how to analyse security vulnerabilities and to implement cybersecurity solutions using ethical hacking techniques and following legal and professional standards.

	COMP 2028	Cryptography, Cryptocurrencies and Blockchain		
** Select one of the following				
** Students who completed MATH 1006 in the program core, MUST complete one of the following as part of their major: MATH 2010, COMP 2025				
	MATH 2010	Linear Algebra		
	COMP 2025	Introduction to Data Science		
** Students who completed MATH 1038 in the program core, MUST complete one of the following as part of their major: MATH 1006, MATH 2010, COMP 2025				
	MATH 1006	Discrete Mathematics		
	MATH 2010	Linear Algebra		
	COMP 2025	Introduction to Data Science		

Major Structure Spring 2023

This structure applies to students who commenced in Spring 2023.

If you commenced in Autumn 2023 please refer to the Autumn 2023 Sequence tab for details.

Students must complete 80 credit points as follows

Location				Subject	Title	Credit
Campus	Attendance	Mode	Advice	COMP 3007	Computer Networks and Internets	Points 10
Parramatta Victoria Road Campus	Full-time	Internal	cdms@westernsydr	COMP 2028 COMP 3037 INFO 3002	Cryptography, Cryptocurrencies and Blockchai Cloud Security Ethical Hacking Principles and Practice	in 10 10 10
Parramatta Victoria Road Campus	Part-time	Internal	cdms@westernsydr	INFO 3014 Select one of the	Cyber Crime and Social Engineering Digital Investigations and Forensics	10 10 10
Penrith Campus Penrith Campus	Full-time Part-time	Internal Internal	cdms@westernsydr	Jen eqir ari	Internet of Things and Smart Environments	10
Sydney City Campus	Full-time	Internal	Cevenini (https://	** Select one of t ** Students who	completed MATH 1006 in the program core, MU the following as part of their major. MATH 2009	
cyber-securi ethical-hack			cyber-security- ethical-hacking-	MATH 2010 COMP 2025	Linear Algebra Introduction to Data Science	
M - : Ot			testamur-major/ a.cevenini@city.wes	^t complete one of	completed MATH 1038 in the program core, MU the following as part of their major: MATH 1006 TH 2010, COMP 2025	
Major Structure Current This structure applies to students who commenced in Spring 2024.				MATH 1006 MATH 2010	Discrete Mathematics Linear Algebra	
Studente must complete 90 gradit points as follows				COMP 2025	Introduction to Data Science	

Students must complete 80 credit points as follows

Subject	Title	Credit Points
COMP 3007	Computer Networks and Internets	10
COMP 3012	Introduction to Cloud Computing	10
COMP 3037	Cloud Security	10
INFO 3002	Ethical Hacking Principles and Practice	10
INFO 3014	Digital Investigations and Forensics	10
Select one of the	e following:	10
INFO 3015	Internet of Things and Smart Environments	
COMP 3036	Full Stack Development	
COMP 2029	DevOps	
Select one of the	following	10
INFO 2004	Cyber Crime and Social Engineering	

Major Structure Autumn 2023

This sequence applies to students who commenced in Autumn 2023.

Students must complete 80 credit points as follows

Subject	Title	Credit Points
MATH 1006	Discrete Mathematics	10
COMP 3007	Computer Networks and Internets	10
COMP 2028	Cryptography, Cryptocurrencies and Blockchair	n 10
COMP 3037	Cloud Security	10
INFO 3002	Ethical Hacking Principles and Practice	10
INFO 2004	Cyber Crime and Social Engineering	10
INFO 3014	Digital Investigations and Forensics	10

Select one of the following:		
INFO 301	15 Internet of Things and Smart Environme	nts
COMP 30	036 Full Stack Development	

Related Programs

Bachelor of Information and Communications Technology (3639) (https://hbook.westernsydney.edu.au/programs/bachelor-information-communications-technology/)

Bachelor of Information and Communications Technology (Advanced) (3684) (https://hbook.westernsydney.edu.au/programs/bachelor-information-communications-technology-advanced/)