

CYBER SECURITY AND ETHICAL HACKING, MINOR (0326)

Western Sydney University Minor Code: 0326

Available to students in other Western Sydney University programs?
No

Cyber Security is an essential aspect of today's information systems. The Cyber Security and Ethical Hacking minor aims to introduce graduates to applications of system security in the disciplines of cloud security, network security and ethical and legal aspects of activities in cyber space. Today, the widespread use of networked systems means protecting these systems from various attacks is more important than ever. This minor covers introductory system security knowledge and applications of security protocols in networked systems, blockchain technologies and crypto currencies. Students will learn fundamental security concepts, practical implementation of the security application programs as well as ethical hacking techniques to protect cyber security.

Location

Campus	Attendance	Mode	Advice
Parramatta Victoria Road Campus	Full-time	Internal	cdms@westernsydney.edu.au
Parramatta Victoria Road Campus	Part-time	Internal	cdms@westernsydney.edu.au
Penrith Campus	Full-time	Internal	cdms@westernsydney.edu.au
Penrith Campus	Part-time	Internal	cdms@westernsydney.edu.au

Minor Structure to 2023 - Autumn 2024

Students must complete 40 credit points as follows

Subject	Title	Credit Points
COMP 3007	Computer Networks and Internets	10
COMP 3037	Cloud Security	10
INFO 3002	Ethical Hacking Principles and Practice	10
Select one of the following:		10
COMP 2028	Cryptography, Cryptocurrencies and Blockchain	
INFO 2004	Cyber Crime and Social Engineering	
INFO 3014	Digital Investigations and Forensics	

Minor Structure Spring 2024

Students must complete 40 credit points as follows

Subject	Title	Credit Points
COMP 3007	Computer Networks and Internets	10
COMP 3037	Cloud Security	10
COMP 3012	Introduction to Cloud Computing	10
Select one of the following:		10
INFO 3002	Ethical Hacking Principles and Practice	
COMP 2028	Cryptography, Cryptocurrencies and Blockchain	
INFO 2004	Cyber Crime and Social Engineering	

INFO 3014 Digital Investigations and Forensics

Total Credit Points

40

Related Programs

Bachelor of Information and Communications Technology/Bachelor of Business (Accounting) (3738) (<https://hbook.westernsydney.edu.au/archives/2023-2024/programs/bachelor-information-communications-technology-bachelor-business-accounting/>)

Bachelor of Information and Communications Technology (3639) (<https://hbook.westernsydney.edu.au/archives/2023-2024/programs/bachelor-information-communications-technology/>)

Bachelor of Information and Communications Technology (Advanced) (3684) (<https://hbook.westernsydney.edu.au/archives/2023-2024/programs/bachelor-information-communications-technology-advanced/>)

Bachelor of Information and Communications Technology/Bachelor of Business (3737) (<https://hbook.westernsydney.edu.au/archives/2023-2024/programs/bachelor-information-communications-technology-bachelor-business/>)