

# CYBERSECURITY, TESTAMUR MAJOR (T003)

Western Sydney University Major Code: T003

Previous Code: ST3065.1

Available to students in other Western Sydney University programs?

No

Cybersecurity is a fundamental aspect of information and communication systems and protecting these systems from various attacks and threats is becoming one of the major technology challenges for public and private sectors. The Cybersecurity field of study aims to develop graduates with advanced knowledge and skills in the discipline of information and communication security. This field of study covers fundamental knowledge in system and network security, security protocols and their applications in computer systems and networked systems such as cloud computing. Students will also learn other related topics such as artificial intelligence and visualisation and their application in cybersecurity development.

## Location

Campus	Mode	Advice
Parramatta Campus - Victoria Road	Internal	postgradit@scem.uws.edu.au
Sydney City Campus	Internal	Mahsa Razavi ( <a href="https://hbook.westernsydney.edu.au/majors-minors/cybersecurity-pg-testamur-major/">https://hbook.westernsydney.edu.au/majors-minors/cybersecurity-pg-testamur-major/</a> ) m.razavi@city.westernsydney.edu.au

## Major Structure

Students studying in the Master of Information and Communications Technology and the Master of Information and Communications Technology (Advanced) must complete 40 credit points as follows.

Subject	Title	Credit Points
Students must complete the following three subjects		
INFO 7014	Advanced Topics in Cybersecurity	10
INFO 7015	Applied Cybersecurity	10
INFS 7008	Systems and Network Security	10
Select one of the following:		10
INFO 7002	Advanced Topics in Artificial Intelligence	
COMP 7004	Cloud Computing	
COMP 7007	Information Security Management	
COMP 7016	Visualisation	
<b>Total Credit Points</b>		<b>40</b>

Students studying in the Master of Artificial Intelligence must complete the following four subjects.

Subject	Title	Credit Points
INFO 7014	Advanced Topics in Cybersecurity	10
COMP 7004	Cloud Computing	10
INFO 7018	Cloud Systems Development	10
INFS 7008	Systems and Network Security	10
<b>Total Credit Points</b>		<b>40</b>

Students studying in the Master of Data Science must complete 40 credit points as follows.

Subject	Title	Credit Points
INFO 7014	Advanced Topics in Cybersecurity	10
COMP 7004	Cloud Computing	10
COMP 7013	Network Technologies	10
INFS 7008	Systems and Network Security	10
<b>Total Credit Points</b>		<b>40</b>

## Replaced Subject

The subjects listed below count towards completion of this major for students in the Master of Data Science who passed these subjects in 2024 or earlier.

INFO 7018 Cloud Systems Development

Students studying in the Master of Data Engineering must complete the following four subjects

Subject	Title	Credit Points
INFO 7014	Advanced Topics in Cybersecurity	10
INFO 7018	Cloud Systems Development	10
COMP 7013	Network Technologies	10
INFS 7008	Systems and Network Security	10
<b>Total Credit Points</b>		<b>40</b>

## Related Programs

Master of Artificial Intelligence (3765) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/master-artificial-intelligence/>)

Master of Information and Communications Technology (3699) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/master-information-communications-technology/>)

Master of Information and Communications Technology (Advanced) (3698) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/master-information-communications-technology-advanced/>)