

# NETWORKED SYSTEMS, MAJOR (0065)

Western Sydney University Major Code: 0065

Previous Code: M3115.1

**Available to students in other Western Sydney University programs?**  
No

This major is only available to students enrolled in the Bachelor of Computer Science and Bachelor of Computer Science Advanced. This major aims to develop graduates with sound skills in the discipline of networked computer systems. Recent advances in computer and telecommunications networked systems, particularly those based on TCP/IP, have increased the importance of network technologies in the discipline of computer science. This major covers a wide range of topics including computer communication network concepts and protocols, multimedia systems, Internet standards and technologies, network security, wireless and mobile computing, and distributed systems. The candidates are also introduced to some of the relevant current key research issues of the field.

## Location

Campus	Mode	Advice
Parramatta Campus - Victoria Road	Internal	A/Prof Yun Bai ( <a href="https://directory.westernsydney.edu.au/search/email/y.bai@westernsydney.edu.au">https://directory.westernsydney.edu.au/search/email/y.bai@westernsydney.edu.au</a> )
Penrith Campus	Internal	A/Prof Yun Bai ( <a href="https://directory.westernsydney.edu.au/search/email/y.bai@westernsydney.edu.au">https://directory.westernsydney.edu.au/search/email/y.bai@westernsydney.edu.au</a> )

## Major Structure 2019 - 2023

If you commenced in 2024 or later please refer to the Structure 2024 tab for details.

This major is only available to students in Bachelor of Computer Science or Bachelor of Computer Science (Advanced).

Students must complete 80 credit points as follows.

Subject	Title	Credit Points
COMP 2004	Computer Networking	10
COMP 3007	Computer Networks and Internets	10
INFO 3006	Information Security	10
COMP 3014	Networked Systems Design	10
INFO 3007	Network Security	10
COMP 3025	Wireless and Mobile Networks	10
Select two of the following:		20
INFO 3002	Ethical Hacking Principles and Practice	
INFO 3015	Internet of Things and Smart Environments	
COMP 3015	Operating Systems Programming	
COMP 3020	Social Web Analytics	
<b>Total Credit Points</b>		<b>80</b>

## Major Structure 2024

This major structure applies to students who commenced in 2024 or later. If you commenced prior to 2024 please refer to the Structure 2019-23 tab for details.

This major is only available to students in Bachelor of Computer Science or Bachelor of Computer Science (Advanced).

Students must complete 80 credit points as follows.

Subject	Title	Credit Points
COMP 3007	Computer Networks and Internets	10
COMP 3014	Networked Systems Design	10
INFO 3007	Network Security	10
INFO 3015	Internet of Things and Smart Environments	10
Select three of the following:		30
INFO 3002	Ethical Hacking Principles and Practice	
COMP 3025	Wireless and Mobile Networks	
COMP 3015	Operating Systems Programming	
COMP 3020	Social Web Analytics	
COMP 3033	Quantum Computing and Communication	
COMP 3012	Introduction to Cloud Computing	
Select one of the following:		10
INFO 3006	Information Security	
INFO 3021	Information Security (Advanced)	
<b>Total Credit Points</b>		<b>80</b>

## Related Programs

Bachelor of Computer Science (3506) (<https://book.westernsydney.edu.au/programs/bachelor-computer-science/>)  
 Bachelor of Computer Science (Advanced) (3634) (<https://book.westernsydney.edu.au/programs/bachelor-computer-science-advanced/>)