



**3639 Bachelor of Information and  
Communication Technology  
NEW Student Advising Guide  
Sydney City Campus  
Trimester 1 2025**

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# 3639 Bachelor of Information and Communication Technology Software Development

## Trimester 1, 2025 Commencing Student Advising Guide

This Advising Guide has been specifically created for NEW students enrolled in a Bachelor of Information and Communication Technology with a Software Development major at Western Sydney University, Sydney City Campus commencing in T1 2025

This guide provides students with details of the subjects they will need to study to complete their degree. It is divided into 3 sections:

1. **Course structure:** subjects divided into categories (e.g. Core, Key Program and Elective).
2. **Subjects for 2025**
3. **Recommended Sequences:** the recommended order of subjects a student should follow to complete their degree. Sequences have been provided to assist students with planning their enrolment. For more detailed information, students can book in with their Program Convenor or a Student Advisor (see information below).

### Study load options

Fulltime study:	Students should select 3 subjects per Trimester (International students are required to study a full-time load)
Part-time study:	Students should select 1-2 subjects per Trimester
Accelerated study:	Students should select 4 subjects per Trimester*

\*Students should only consider taking 4 subjects per Trimester once they have completed at least one Trimester of study at Sydney City Campus.

### Subject prerequisites and assumed knowledge

Students should check the handbook entry for more subject information including pre-requisites, subject levels and assumed knowledge.

### Advanced Standing

Students who have received Advanced Standing for previous study should make sure they take into account which subjects they have been granted credit for, before selecting their subjects to study at Sydney City Campus. Students with Advanced Standing who have questions about which subjects to select can also contact the program convenors via [computing@city.westernsydney.edu.au](mailto:computing@city.westernsydney.edu.au) for personalised course advice.

For more assistance or advice on your Program, you can also make an appointment at Sydney City Campus reception to meet with a Student Adviser or via their online booking system <https://calendly.com/student-services-teams> Alternatively, you can contact them at [studentservices@city.westernsydney.edu.au](mailto:studentservices@city.westernsydney.edu.au)

For electives, students can use the handbook to search for other undergraduate subjects available at the Sydney City Campus for each Trimester. <https://hbook.westernsydney.edu.au/>

More detailed course and subject information can be found in the Western Sydney Handbook <https://hbook.westernsydney.edu.au/programs/bachelor-information-communications-technology/>



## Course structure

Qualification for this award requires the successful completion of 240 credit points, which includes:

### 12 Core Subjects (120 credit points)

COMP 1005	Programming Fundamentals
MATH 1038	Mathematics for Computing
INFO 1003	Professional Practice. Communication and Ethics
HUMN 1013	Contextualising Indigenous Australia
COMP 2004	Computer Networking
COMP 2021	Software Engineering Fundamentals
INFS 2001	Database Design and Development
COMP 2015	Programming Techniques
COMP 2027	Cyber Security
COMP 3028	Software Construction
INFO 3019	Project Management
COMP 3018	Professional Experience

### Software Development major subjects (80 credit points)

COMP 2009	Data Structures and Algorithms
COMP 3013	Mobile Applications Development
MATH 1006	Discrete Mathematics
INFO 3003	Human-Computer Interaction
COMP 3036	Full Stack Development
COMP 3015	Operating Systems Programming
INFO 3011	Social Computing
COMP 3012	Introduction to Cloud Computing

### Elective subjects (40 credit points)

Students can choose 40 credit points of elective subjects from eligible undergraduate subjects available at the Sydney City Campus.



## **Subjects for commencing students at Sydney City Campus for 2025**

### **Trimester 1 2025**

COMP 1005	Programming Fundamental
INFO1003	Professional Practice, Communication and Ethics
Elective	Any subject on offer at SCC

### **Trimester 2 2025**

COMP 2004	Computer Networking
COMP 2015	Programming Techniques
MATH 1038	Mathematics for Computing

### **Trimester 3 2025**

INFS2001	Database Design and Development
COMP2021	Software Engineering Fundamentals
Elective	Any subject on offer at SCC



## Recommended Sequences Software Development

Term 1 2025	COMP 1005	Programming Fundamental
Term 1 2025	INFO1003	Professional Practice, Communication and Ethics
Term 1 2025	elective	
Term 2 2025	COMP 2004	Computer Networking
Term 2 2025	COMP 2015	Programming Techniques
Term 2 2025	MATH 1038	Mathematics for Computing
Term 3 2025	INFS2001	Database Design and Development
Term 3 2025	COMP2021	Software Engineering Fundamentals
Term 3 2025	elective	Recommended: COMP2013 LAN Workshop
Term 1 2026	COMP3013	Mobile Applications Development
Term 1 2026	elective	
Term 1 2026	elective	
Term 2 2026	MATH 1006	Discrete Mathematics
Term 2 2026	COMP3015	Operating Systems Programming
Term 2 2026	COMP 2009	Data Structures and Algorithms
Term 3 2026	INFO3011	Social Computing
Term 3 2026	COMP 2027	Cyber Security
Term 3 2026	COMP 3012	Introduction to Cloud Computing
Term 1 2027	COMP 3028	Software Construction
Term 1 2027	INFO3019	Project Management
Term 1 2027	HUMN 1013	Contextualising Indigenous Australia
Term 2 2027	INFO3003	Human-Computer Interaction
Term 2 2027	COMP3036	Full Stack Development
Term 2 2027	COMP 3018	Professional Experience

Colour Code:	Core subject	Major subject	Elective subject
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# 3639 Bachelor of Information and Communication Technology

## Networking and Cloud Computing

### Trimester 1, 2025 Commencing Student Advising Guide

This Advising Guide has been specifically created for NEW students enrolled in a Bachelor of Information and Communication Technology with a Networking and Cloud Computing major at Western Sydney University, Sydney City Campus commencing in T1 2025.

This guide provides students with details of the subjects they will need to study to complete their degree. It is divided into 3 sections:

1. **Course structure:** subjects divided into categories (e.g. Core, Key Program and Elective).
2. **Subjects for 2025**
3. **Recommended Sequences:** the recommended order of subjects a student should follow to complete their degree. Sequences have been provided to assist students with planning their enrolment. For more detailed information, students can book in with their Program Convenor or a Student Advisor (see information below).

#### Study load options

Fulltime study:	Students should select 3 subjects per Trimester (International students are required to study a full-time load)
Part-time study:	Students should select 1-2 subjects per Trimester
Accelerated study:	Students should select 4 subjects per Trimester*

\*Students should only consider taking 4 subjects per Trimester once they have completed at least one Trimester of study at Sydney City Campus.

#### Subject prerequisites and assumed knowledge

Students should check the handbook entry for more subject information including pre-requisites, subject levels and assumed knowledge.

#### Advanced Standing

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## Course structure

Qualification for this award requires the successful completion of 240 credit points, which includes:

### 12 Core Subjects (120 credit points)

COMP 1005	Programming Fundamentals
MATH 1038	Mathematics for Computing
INFO 1003	Professional Practice. Communication and Ethics
HUMN 1013	Contextualising Indigenous Australia
COMP 2004	Computer Networking
COMP 2021	Software Engineering Fundamentals
INFS 2001	Database Design and Development
COMP 2015	Programming Techniques
COMP 2027	Cyber Security
COMP 3028	Software Construction
INFO 3019	Project Management
COMP 3018	Professional Experience

### Networking and cloud computing major subjects (80 credit points)

COMP 3012	Introduction to Cloud Computing
COMP 3007	Computer Networks and Internets
COMP 2013	LAN Workshop
COMP 3003	Cloud Computing Architecture
COMP 3025	Wireless and Mobile Networks
COMP 3037	Cloud Security
COMP 3014	Networked Systems Design
INFO 3002	Ethical Hacking Principles and Practice

### Elective subjects (40 credit points)

Students can choose 40 credit points of elective subjects from eligible undergraduate subjects available at the Sydney City Campus.



## **Subjects for commencing students at Sydney City Campus for 2025**

### **Trimester 1 2025**

COMP 1005	Programming Fundamental
INFO1003	Professional Practice, Communication and Ethics
Elective	Any subject on offer at SCC

### **Trimester 2 2025**

COMP 2004	Computer Networking
COMP 2015	Programming Techniques
MATH 1038	Mathematics for Computing

### **Trimester 3 2025**

INFS2001	Database Design and Development
COMP2021	Software Engineering Fundamentals
Elective	Any subject on offer at SCC





## Recommended Sequences Networking and Cloud Computing

Term 1 2025	COMP 1005	Programming Fundamentals
Term 1 2025	INFO 1003	Professional Practice, Communication & Ethics
Term 1 2025	Elective	
Term 2 2025	COMP 2004	Computer Networking
Term 2 2025	MATH 1038	Mathematics for Computing
Term 2 2025	COMP 2015	Programming Techniques
Term 3 2025	INFS 2001	Database Design and Development
Term 3 2025	COMP2021	Software Engineering Fundamentals
Term 3 2025	Elective	
Term 1 2026	INFO 3002	Ethical hacking Principles and Practice
Term 1 2026	COMP 3007	Computer Networks and Internets
Term 1 2026	COMP 2013	LAN Workshop
Term 2 2026	COMP 3025	Wireless and Mobile Networks
Term 2 2026	Elective	Rec: INFO3003
Term 2 2026	COMP 3012	Introduction to Cloud Computing
Term 3 2026	COMP 3014	Networked Systems Design
Term 3 2026	COMP 2027	Cyber Security
Term 3 2026	INFO3019	Project Management
Term 1 2027	COMP3003	Cloud Computing Architecture
Term 1 2027	COMP3028	Software Construction
Term 1 2027	COMP 3037	Cloud Security
Term 2 2027	COMP 3018	Professional Experience
Term 2 2027	HUMN 1013	Contextualising Indigenous Australia
Term 2 2027	Elective	

Colour Code:	Core subject	Major subject	Elective subject
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# 3639 Bachelor of Information and Communication Technology

## Cyber Security and Ethical Hacking

### Trimester 1, 2025 Commencing Student Advising Guide

This Advising Guide has been specifically created for NEW students enrolled in a Bachelor of Information and Communication Technology with a Cyber Security and Ethical Hacking major at Western Sydney University, Sydney City Campus commencing in T1 2025.

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HUMN 1013	Contextualising Indigenous Australia
COMP 2004	Computer Networking
COMP 2021	Software Engineering Fundamentals
INFS 2001	Database Design and Development
COMP 2015	Programming Techniques
COMP 2027	Cyber Security
COMP 3028	Software Construction
INFO 3019	Project Management
COMP 3018	Professional Experience

### Cyber Security and Ethical Hacking major subjects (80 credit points)

COMP 3007	Computer Networks and Internets
INFO2004	Cyber Crime and Social Engineering
INFO 3002	Ethical hacking Principles and Practice
MATH 1006	Discrete Mathematics
COMP2028	Cryptography, Cryptocurrencies and Blockchain
COMP 3037	Cloud Security
COMP3036	Full Stack Development
INFO3014	Digital Investigations and Forensics

### Elective subjects (40 credit points)

Students can choose 40 credit points of elective subjects from eligible undergraduate subjects available at the Sydney City Campus.



## **Subjects for commencing students at Sydney City Campus for 2025**

### **Trimester 1 2025**

COMP 1005	Programming Fundamental
INFO1003	Professional Practice, Communication and Ethics
Elective	Any subject on offer at SCC

### **Trimester 2 2025**

COMP 2004	Computer Networking
COMP 2015	Programming Techniques
MATH 1038	Mathematics for Computing

### **Trimester 3 2025**

INFS2001	Database Design and Development
COMP2021	Software Engineering Fundamentals
COMP 3012	Introduction to Cloud Computing



## Recommended Sequences Cyber Security and Ethical Hacking

Term 1 2025	COMP 1005	Programming Fundamentals
Term 1 2025	INFO 1003	Professional Practice, Communication & Ethics
Term 1 2025	Elective	
Term 2 2025	COMP 2004	Computer Networking
Term 2 2025	MATH 1038	Mathematics for Computing
Term 2 2025	COMP 2015	Programming Techniques

Term 3 2025	INFS 2001	Database Design and Development
Term 3 2025	COMP2021	Software Engineering Fundamentals
Term 3 2025	COMP 3012	Introduction to Cloud Computing
Term 1 2026	COMP 3007	Computer Networks and Internets
Term 1 2026	INFO2004	Cyber Crime and Social Engineering
Term 1 2026	COMP 3037	Cloud Security
Term 2 2026	INFO 3002	Ethical hacking Principles and Practice
Term 2 2026	MATH 1006	Discrete Mathematics
Term 2 2026	COMP 2027	Cyber Security
Term 3 2026	COMP3028	Software Construction
Term 3 2026	Elective	
Term 3 2026	Elective	
Term 1 2027	INFO3019	Project Management
Term 1 2027	Elective	
Term 1 2027	COMP3036	Full Stack Development
Term 2 2027	COMP 3018	Professional Experience
Term 2 2027	INFO3014	Digital Investigations and Forensics
Term 2 2027	HUMN 1013	Contextualising Indigenous Australia

Colour Code:	Core subject	Major subject	Elective subject
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