

MOBILE COMPUTING, MAJOR (0146)

Western Sydney University Major Code: 0146

Previous Code: M3074.1

Available to students in other Western Sydney University programs?

No

This major is only available to students enrolled in the Bachelor of Information and Communications Technology (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-communications-technology/>), Bachelor of Information and Communications Technology (Advanced) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-communications-technology-advanced/>), Bachelor of Computer Science (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-computer-science/>), Bachelor of Computer Science (Advanced) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-computer-science-advanced/>), Bachelor of Information Systems (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-systems/>) or Bachelor of Information Systems (Advanced) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-systems-advanced/>).

This major covers theories and technologies used for the development of distributed applications for hand-held mobile devices. Students completing this major will understand the advanced principles related to mobile hardware devices, data storage and transmission, and communication networks. In addition they will identify, analyse, and formulate solutions to real-world problems in the mobile domain. In devising these solutions students will also consider principles associated with user interface design, professional and ethical issues, in particular those relating to security and privacy of user data and user behaviour related to mobile devices and its applications.

Location

Campus	Mode	Advice
Campbelltown Campus	Internal	CDMS@westernsydney.edu.au
Parramatta Campus - Victoria Road	Internal	CDMS@westernsydney.edu.au
Penrith Campus	Internal	CDMS@westernsydney.edu.au
Sydney City Campus*	Internal	Antoinette Cevenini (https://directory.westernsydney.edu.au/search/email/a.cevenini@city.westernsydney.edu.au)

* Curriculum delivered through an agreement with another party

Major Structure

Students must complete 80 credit points as follows

Subject	Title	Credit Points
INFS 2001	Database Design and Development	10
INFO 3003	Human-Computer Interaction	10
COMP 3013	Mobile Applications Development	10
INFO 3007	Network Security	10
COMP 3018	Professional Experience	10

INFO 3011	Social Computing *	10
COMP 3025	Wireless and Mobile Networks	10
INFS 3012	Information Systems Deployment and Management	10
Total Credit Points		80

* From Spring 2025, students are advised to select INFS 3027 Social Computing and Systems Thinking. Please contact the subject coordinator regarding the prerequisite requirements.

Equivalent Subjects

The subjects listed below count towards completion of this major for students who passed these subjects in Autumn/SCC S2, 2021 or earlier.

INFO 2003 - Technology for Mobile Applications, replaced by INFS 3012 Information Systems Deployment and Management

Related Programs

Bachelor of Information and Communications Technology (3639) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-communications-technology/>)

Bachelor of Information and Communications Technology (Advanced) (3684) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-information-communications-technology-advanced/>)

Diploma/Bachelor of Information and Communications Technology (6039) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/diploma-bachelor-information-communications-technology/>)

Diploma in Information and Communications Technology / Bachelor of Information Systems (6040) (<https://hbook.westernsydney.edu.au/archives/2024-2025/programs/diploma-information-communications-technology-bachelor-information-systems/>)