

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/programs/bachelor-information-communications-technology/>), Bachelor of Information and Communications Technology (Advanced) (<https://hbook.westernsydney.edu.au/programs/bachelor-information-communications-technology-advanced/>), Bachelor of Computer Science (<https://hbook.westernsydney.edu.au/programs/bachelor-computer-science/>), Bachelor of Computer Science (Advanced) (<https://hbook.westernsydney.edu.au/programs/bachelor-computer-science-advanced/>), Bachelor of Information Systems (<https://hbook.westernsydney.edu.au/programs/bachelor-information-systems/>) or Bachelor of Information Systems (Advanced) (<https://hbook.westernsydney.edu.au/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 |

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|----------------------------|---|-----------|
| COMP 3025 | Wireless and Mobile Networks | 10 |
| INFS 3012 | Information Systems Deployment and Management | 10 |
| Total Credit Points | | 80 |

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/programs/bachelor-information-communications-technology/>)

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

Bachelor of Information Systems (3687) (<https://hbook.westernsydney.edu.au/programs/bachelor-information-systems/>)

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

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