



BACHELOR OF COMPUTER SCIENCE (3506)

The Bachelor of Computer Science provides an in-depth technical understanding of computer software systems, underpinned by theoretical foundations and practical techniques. The program provides a solid foundation for computer science study in computer theory, software design, development, and applications. It provides you with the knowledge and skills to develop effective and innovative solutions to problems. A range of specialised majors are offered in Cyber Security, Artificial Intelligence, Systems Programming, Networked Systems, Technology Entrepreneurship and Cloud Computing. Students work on real world projects and complete an industry experience project giving them an edge to access excellent career opportunities as programmers, system or software developers, or AI engineers.

Entry via: International students apply direct to Western Sydney University. www.westernsydney.edu.au/international/apply

Accreditation: Australian Computer Society at Professional Level

A CAREER IN COMPUTER SCIENCE

Western offers a specialist Computer Science degrees to equip you with the skills you need to be career-ready by specialising in different applications of computer science and computer systems. As a Bachelor of Computer Science graduate, you can look forward to career opportunities in fields such as Systems Programming, Computer Security, Real-Time Programming, Network Security, Communications Management, and Research and Development in Computer Science.

For program advice, please email CDMS@westernsydney.edu.au

PROGRAM STRUCTURE

YEAR 1

SESSION 1 AUTUMN

SUBJECT CODE	SUBJECT TITLE
MATH 1028	Statistical Decision Making
COMP 1005	Programming Fundamentals
INFO 1003	Professional Practice, Communication and Ethics
MATH 1006	Discrete Mathematics

SESSION 2 SPRING

COMP 2008	Computer Organisation
COMP 2014	Object Oriented Programming
INFS 2001	Database Design and Development
COMP 2004	Computer Networking

YEAR 2

SESSION 3 AUTUMN

COMP 2019	Systems Programming 1
COMP 2009	Data Structures and Algorithms
Two electives or major or minor subjects	

SESSION 4 SPRING

INFS 3003	Artificial Intelligence
INFO 3006	Information Security
COMP 3009	Distributed Systems and Programming
One elective or major or minor subject	

YEAR 3

SESSION 5 AUTUMN

INFO 3019	Project Management
Three electives or major or minor subjects	

SESSION 6 SPRING

COMP 3018	Professional Experience
INFS 3008	Formal Software Engineering
Two electives or major or minor subjects	

MAJORS

0031	Artificial Intelligence, Major
0066	Cyber Security, Major
0065	Networked Systems, Major
0064	Systems Programming, Major
0261	Technology Entrepreneurship, Major

MINORS

0128	Cloud Computing, Minor
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PROGRAM	CRICOS CODE	WS CODE	INTAKE	LOCATION	DURATION
B Computer Science	041105G	3506	March/July	Parramatta	3F
	041105G	3506	March/July	Penrith	3F

Key: B = Bachelor of; F = Full-time.

For more information, please call the Course Information Centre on **1300 897 669** or email study@westernsydney.edu.au