Bachelor of Computer Science

3506 – Bachelor of Computer Science
The Bachelor of Computer Science at UWS will provide you with a comprehensive and in-depth understanding of modern interconnected computer systems underpinned by solid theoretical foundations and practical techniques. You will develop the practical skills needed to design, develop, configure, integrate and maintain advanced computer software required by modern industry. You will also develop considerable skills in software engineering, systems programming, IT systems security, networked systems management and administration, and application development.

Furthermore, within this course you will carry out a real-life project where you will learn how to design, develop and implement an information system aimed at solving community-based practical problems.

Entry via: HSC, TAFE, UWSC, private colleges, prior study, International
CRICOS Code: 041105G
Accreditation: Australian Computer Society at Professional Level

3634 – Bachelor of Computer Science (Advanced)
In addition to the above, within this program you will have a mentor who will directly support and guide you in person. This program is especially designed for people with a strong interest in and aptitude for computer science who are seeking a career involving research and development at the cutting edge of technology.

Entry via: HSC, Bachelor of Computer Science
CRICOS Code: 061245G
Accreditation: Australian Computer Society at Professional Level

A Career in Computer Science
As a Bachelor of Computer Science graduate, you can look forward to career opportunities such as computer security, systems programming, systems administration, network and systems security support, real-time programming, systems engineering, distributed software development, communications and distributed systems support, and research and development in computer science.

Course Structure
Year 1
Session 1 Autumn
- 300700.5 Statistical Decision Making
- 300580.2 Programming Fundamentals
- 100483.2 Principles of Professional Communication 1
- 200025.2 Discrete Mathematics

Session 2 Spring
- 300096.5 Computer Organisation
- 300147.4 Object Oriented Programming
- 300104.4 Database Design and Development
- 300565.2 Computer Networking

Year 2
Session 3 Autumn
- 300167.3 Systems Programming 1
- 300103.3 Data Structures and Algorithms
- 300582.2 Technologies for Web Applications
- And one elective

Session 4 Spring
- 300404.2 Formal Software Engineering
- 300128.4 Information Security
- 300115.2 Distributed Systems and Programming
- And one elective

Year 3
Session 5 Autumn
- 300578.3 Professional Development
- 300952.1 Wireless and Mobile Networks
- And two electives

Session 6 Spring
- 300579.3 Professional Experience
- 300960.1 Mobile Applications Development
- And two electives

For more information please send your enquiry to bcomp@scm.uws.edu.au