

BACHELOR OF INFORMATION TECHNOLOGY (SOFTWARE DEVELOPMENT)

Program offered: Sydney & Adelaide

CRICOS Code	Course Duration
092108D	3 Years

Program Structure

	COURSE NAME	CREDIT POINTS
YEAR 1		
SEMESTER 1	ITECH1001 COMMUNICATIONS AND TECHNOLOGY	15
	ITECH1100 UNDERSTANDING THE DIGITAL REVOLUTION	15
	ITECH1101 IT PROBLEM SOLVING	15
	ITECH1102 NETWORKING AND SECURITY	15
	ITECH3000 IT PROFESSIONAL ENGAGEMENT	
SEMESTER 2	ITECH1103 BIG DATA AND ANALYTICS	15
	ITECH1104 CLOUD AND ENTREPRISE COMPUTING	15
	ITECH2000 MOBILE DEVELOPMENT FUNDAMENTALS	15
	ITECH2001 GAME DEVELOPMENT FUNDAMENTALS	15
YEAR 2		
SEMESTER 1	ITECH2002 SYSTEMS MODELING	15
	ITECH2003 WEB DESIGN	15
	ITECH2306 AGILE CODE	15
	ELECTIVE	15
SEMESTER 2	ITECH2004 DATA MODELING	15
	ITECH2250 IT PROJECT MANAGEMENT TECHNIQUES	15
	ITECH2309 SOFTWARE ENGINEERING	15
	ELECTIVE	15
YEAR 3		
SEMESTER 1	ITECH3001 USER EXPERIENCE	15
	ITECH3208 PROJECT 1	15
	ITECH3108 DYNAMIC WEB DEVELOPMENT	15
	ELECTIVE	15
SEMESTER 2	ITECH3002 PROFESSIONALISM AND ENTREPRENEURSHIP	15
	ITECH3209 PROJECT 2	15
	ITECH3109 DATA STRUCTURES AND ALGORITHMS	15
	ELECTIVE	15

Program Overview & Objectives

Develop the software that people use every day. Test, refine and maintain tools and techniques, evaluate existing products.

Knowledgeable, high profile professionals are the backbone of the IT industry, and this degree gives you the opportunity to learn new programming languages, architectures, and paradigms to create new software applications.

You will complete courses in dynamic web development, data structures and algorithms, agile coding and more. There are also electives that enable you to add breadth and depth to your studies. The material covered in this program reflects the current and future needs of practicing software developers, and your skills will be enhanced as you apply your learning in your final year project.

On completion, you can look forward to seeking employment in a role where you contribute to identifying new areas of software process improvement within an organisation, or carry out a software process improvement assignment, justified by measurable business benefits. Your communication skills will be an asset in this area, as you report on project progress, anomalies risks and issues.

Graduates may also be involved in software release and post-release activities, including product launches, and implementation roles such as installation, configuration, programming/customisation, integration and data migration.

Career Opportunities

Database administrator, IT manager, IT team leader, Project manager, Programmer, Software developer, Software engineer, Software designer, Tester, Web developer

Further Study options

- Master of Technology

Professional Accreditation

Bachelor of Information Technology (Software Development) holds Professional Level accreditation with the Australian Computer Society (ACS).

Admissions Requirements

Successful completion of Australian Year 12 with final-year mathematics courses, or overseas equivalent.

Required proficiency in English. Overall IELTS band score of 6.0 with no band less than 5.5 TOEFL Paper 550 (TWE 4.0), TOEFL Computer 213 TOEFL iBT 60-79 with minimum of 13-Reading, 12-Listening, 18-Speaking, 21-Writing., Pearson 50 (no band score less than 50) and Cambridge 52 with no less than borderline in each skill.