

## Program Overview & Objectives

Equip yourself with critical knowledge in data and network security. You will study cybersecurity, network architecture and more.

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Employment in this area has experienced strong growth over the last 10 years, and is forecast to continue to do so. Your specialisation in security will allow you to be on the frontline of the war in cyberspace and to become familiar with the methods attackers use. You learn to investigate how security breaches occur, how private information is vulnerable and ways to protect it.

You will develop an understanding of the security models provided by the major operating systems involved in modern computer networks. Through lecture and lab work you will delve into networks, their protocols and hardware and investigate how these systems can be vulnerable to a malicious attacks. Your problem solving skills will come to the fore, as part of your role may include ethical hacking - testing a system to break-in or to find weak points.

As a network architect, or an IT security specialist, you can look forward to a varied career in information security, IT operations and more.

## Career opportunities

Network administrator, Ethical hacker, ICT security specialist, Network architect and designer, Networking and security officer, Product security manager

## Further Study options

- Master of Technology

## Professional Accreditation

Bachelor of Information Technology (Networking and Security) 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: IELTS overall 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.

# BACHELOR OF INFORMATION TECHNOLOGY (NETWORKING AND SECURITY)

Program offered: Sydney & Adelaide

CRICOS Code	Course Duration
092055A	3 Years

## Program Structure

	COURSE NAME	CREDIT POINTS
<b>YEAR 1</b>		
SEMESTER 1	ITECH1001 COMMUNICATIONS AND TECHNOLOGY	15
	ITECH1100 UNDERSTANDING THE DIGITAL REVOLUTION	15
	ITECH1101 IT PROBLEM SOLVING	15
	ITECH1102 NETWORKING AND SECURITY	15
SEMESTER 2	ITECH3000 IT PROFESSIONAL ENGAGEMENT	15
	ITECH1103 BIG DATA AND ANALYTICS	15
	ITECH1104 CLOUD AND ENTREPRISE COMPUTING	15
	ITECH2000 MOBILE DEVELOPMENT FUNDAMENTALS	15
	ITECH2001 GAME DEVELOPMENT FUNDAMENTALS	15
<b>YEAR 2</b>		
SEMESTER 1	ITECH2002 SYSTEMS MODELING	15
	ITECH2003 WEB DESIGN	15
	ITECH2306 AGILE CODE	15
	ELECTIVE	15
SEMESTER 2	ITECH2250 IT PROJECT MANAGEMENT TECHNIQUES	15
	ITECH2250 IT PROJECT MANAGEMENT TECHNIQUES	15
	ITECH2309 SOFTWARE ENGINEERING	15
	ELECTIVE	15
<b>YEAR 3</b>		
SEMESTER 1	ITECH3001 USER EXPERIENCE	15
	ITECH3208 PROJECT 1	15
	ITECH3215 INFORMATION SECURITY	15
	ELECTIVE	15
SEMESTER 2	ITECH3002 PROFESSIONALISM AND ENTREPRENEURSHIP	15
	ITECH3209 PROJECT 2	15
	ITECH3100 CLOUD AND MOBILE SECURITY	15
	ELECTIVE	15