Bachelor of Information Technology

Major in Software Technology

RECOMMENDED STUDIES

HSC Mathematics Extension 1 or HSC Mathematics Extension 2 plus HSC Information Processes and Technology and/or HSC Software Design and Development, or equivalent.

OVERVIEW

Study Zone - Major in Software Technology	Credit Points
CORE ZONE - Includes essential units, capstone, and electives	80 Credit points
MAJOR - Software Technology	80 Credit points
FLEXIBLE ZONE – Flexible units chosen by the student	80 Credit points
Total 240 credit points	

COURSE STRUCTURE

ESSENTIAL UNITS: 50 CREDIT POINTS

Complete each unit below (10 credit points each)

COMP1000	Introduction to Computer Programming
COMP1300	Introduction to Cyber Security
COMP1350	Introduction to Database Design and Management
COMP2270	Networking and Cloud Computing
COMP2700	Project Management and Professional Practice

CAPSTONE UNIT 10 CREDIT POINTS

Complete each unit below (10 credit points each)

COMP3850	PACE: Computing Industry Project

ELECTIVE UNITS 20 CREDIT POINTS

Choose 10 credit points from each group below:

Option 1: select one option

COMP1010	Fundamentals of Computer Science
COMP1151	Introduction to Game Development
COMP1750	Introduction to Business Information Systems
STAT1170	Introductory Statistics

Option 2: select one option

COMP3410	Knowledge, Planning and Decision Making under Uncertainty
COMP3250	Computer Networks
COMP3760	Enterprise Systems Integration
COMP3780	Technology Management

MAJOR REQUIREMENTS 80 CREDIT POINTS

Complete each unit below (10 credit points each)

COMP1010	Fundamentals of Computer Science
MATH1007	Discrete Mathematics I
COMP2000	Object-Oriented Programming Practices
COMP2010	Algorithms and Data Structures
COMP2100	Systems Programming
COMP3000	Programming Languages
COMP3100	Distributed Systems
COMP3050	Software Systems Development and Operations

FLEXIBLE ZONE 80 CREDIT POINTS

You can use your flexible zone to enrol in any Undergraduate unit for which you meet the requisites. You may also use your flexible zone to complete a second major, listed below, or a minor(s).

Options include: Ancient History, Anthropology, Artificial Intelligence, Biotechnology, Business Administration, Business Analytics, Business Information Systems, Chemistry, Chinese Studies, Creative Writing, Criminology, Critical Indigenous Studies, Cyber Security, Cyber Security Governance, Data Science, Earth and Environmental Sciences, Economics, English, French and Francophone Studies, Gender Studies, Geography, German Studies, Health, Wellbeing and Society, Human Biology, Human Resource Management, Information Systems and Business Analysis, Interactive Design, International Business, International Relations, Japanese Studies, Journalism and Non-Fiction Writing, Management and Leadership, Marine Science, Mathematics, Media, Culture and Communications, Modern History, Music Studies, Networking, Performing Arts and Entertainment Industries, Philosophy, Politics, Psychological Science, Public Relations and Social Media, Radio, Podcasting, and Audio Media, Software Technology, Screen Practice and Production, Sociology, Spanish and Latin American Studies, Strategy, Innovation and Entrepreneurship, Web and Mobile App Development, Work, Life and Technology.

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https://www.mq.edu.au/study/find-a-course/courses/2026/major/artificial-intelligence#major-structure

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