

PROGRAM PLAN

BACHELOR OF INFORMATION TECHNOLOGY

PROGRAM OPTION:
Commencing in Semester 2

START DATE:
2017 to 2020

LOCATION:
Callaghan and Ourimbah

This Program Plan is an enrolment guide to ensure you are on track to graduate. If at any time you wish to vary from this program plan seek advice from your Academic Program Advisor to ensure you remain on track.

 [PROGRAM HANDBOOK](#)

 [COURSE HANDBOOK](#)

YEAR 1	SEMESTER 1	SENG1050 Web Technologies	MAJOR	ELECTIVE	ELECTIVE
		CORE	MAJOR	ELECTIVE Or MAJOR 2	ELECTIVE Or MAJOR 2
YEAR 2	SEMESTER 1	COMP1010 Computing Fundamentals	MAJOR	ELECTIVE	
		CORE	MAJOR	ELECTIVE Or MAJOR 2	
		INFT1004 Introduction to Programming			
		Or			
		SENG1110 Object Oriented Programming			
		CORE			
YEAR 3	SEMESTER 1	SENG2130 Systems Analysis and Design	MAJOR	ELECTIVE	
		CORE	MAJOR		
		INFT2031 Systems and Network Administration	MAJOR		
		CORE	MAJOR		
		COMP3851A Computer Science and Information Technology Work Integrated Learning Part A	MAJOR		
		COMPULSORY	MAJOR		
YEAR 4	SEMESTER 1	SENG2260 Human-Computer Interaction	MAJOR	ELECTIVE	
		CORE	MAJOR	ELECTIVE Or MAJOR 2 3000 level	
		COMP3851B Computer Science and Information Technology Work Integrated Learning Part B	MAJOR		
		COMPULSORY	MAJOR		
		<i>Must be taken following COMP3851A</i>			
		INFT3800 Professional Practice in Information Technology	MAJOR	ELECTIVE	
		CORE	MAJOR	ELECTIVE Or MAJOR 2 3000 level	
		INFT3100 Project Management	MAJOR		
		CORE	MAJOR		
		<i>If you started prior to 2020, refer to the Transition Arrangements document in the Program Handbook.</i>			

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To be eligible to graduate make sure you have completed 240 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- **Core courses** – 100 units
- **Major courses** – 80 units
- **Elective courses** – 60 units
 - Students may utilise their electives to instead complete a second major. For a second major, 60 units must be unique to that major, and at least 20 units must be at 3000 level. COMP3851A and COMP3851B will also count towards the second major
- The duration of this program is 3 years full-time (40 units per semester) or part-time equivalent
- The maximum time to complete this program is 8 years
- Students must not exceed 240 units in this program
- Students must not exceed 100 units at 1000 level in this program; **students should consider this when selecting their elective and directed courses.**
- Transition information – students who commenced study in this program prior to 2020 may be affected by transition arrangements. Please refer to the Transition Arrangements in the **Program Handbook** for further information.

INFT1150 – removed from the program in 2020. Students who completed both COMP1010 and INFT1150 prior to 2020 do not need to complete INFT3800.



Some courses have assumed knowledge and/or requisites, please refer to the individual **Course Handbook**. Please refer to the **Program Handbook** for specific information on program structure. If you are intending varying from this program plan please seek advice from your **Academic Program Advisor**.

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BACHELOR OF INFORMATION TECHNOLOGY

SYSTEMS DEVELOPMENT MAJOR

COMPULSORY COURSES

INFT2012: Application Programming
INFT2051: Mobile Application Programming
INFT3050: Web Programming

COMP3851A: Computer Science and Information Technology
Work Integrated Learning Part A
COMP3851B: Computer Science and Information Technology
Work Integrated Learning Part B

DIRECTED COURSES

Complete 20 units from:

ENGG1003: Introduction to Procedural Programming
MATH1510: Discrete Mathematics
MNGT1002: Introduction to Entrepreneurship and Innovation
SENG1110: Object Oriented Programming
SENG1120: Data Structures
CMNS2016: Social and Interactive Media
COMP2230: Algorithms
COMP2240: Operating Systems
SENG2050: Web Engineering
SENG2250: System and Network Security

Complete 10 units from:

COMP3260: Data Security
COMP3330: Machine Intelligence
COMP3340: Data Mining
COMP3350: Advanced Database
COMP3500: Security Attacks: Analysis and Mitigation Strategies
COMP3600: Security Standards and Practices in Industry
ELEC3500: Telecommunication Networks
INFT3940: Information Technology Applications
INFT3950: Games Design
INFT3960: Games Production

INTERACTIVE MEDIA MAJOR

Not available at Ourimbah Campus

COMPULSORY COURSES

CMNS1234: Media and Communication Concepts (*replaces CMNS1230 in 2021*)
INFT1201: Digital Technologies for Media and Entertainment

COMP3851A: Computer Science and Information Technology
Work Integrated Learning Part A
COMP3851B: Computer Science and Information Technology
Work Integrated Learning Part B

DIRECTED COURSES

Complete 20 units from:

CMNS1000: Digital and Social Media
DESN1121: Experimental Design Imaging (no longer offered)
MKTG1001: Foundations of Marketing
CMNS2005: Cinematography (no longer offered)
CMNS2016: Social and Interactive Media
CMNS2035: Television
CMNS2130: Sound Production
CMNS2400: Radio Production (no longer offered)
DESN2201: Advanced Typography
DESN2803: Designing for 3D

Complete 20 units from:

CMNS3440: Short Film Production
CMNS3450: Media Project (*20 units*)
FMCS3100: Digital Culture
INFT3950: Games Design
INFT3960: Games Production

BUSINESS TECHNOLOGY MAJOR

COMPULSORY COURSES

STAT1060: Business Decision Making
EBUS3030: Business Intelligence
EBUS3050: The Digital Economy

COMP3851A: Computer Science and Information Technology
Work Integrated Learning Part A
COMP3851B: Computer Science and Information Technology
Work Integrated Learning Part B

DIRECTED COURSES

Complete 30 units from:

ACFI1001: Accounting for Decision Makers
ACFI1002: Accounting Practice
ECON1001: Microeconomics for Business Decisions
ECON1002: Macroeconomics in the Global Economy
MKTG1001: Foundations of Marketing
MNGT1001: Introduction to Management
MNGT1002: Introduction to Entrepreneurship and Innovation
CMNS2140: Principles of Public Relations
IRHR2270: Introduction to Human Resource Management
MNGT2002: Business Venturing
MNGT2005: Leadership and Ethics
COMP3350: Advanced Database
IRHR3035: Managing Diversity
MNGT3002: Knowledge Management
MNGT3008: Advanced Innovation Management
MNGT3011: Leading Organisational Change
MNGT3012: Strategic Business Management