Programme Regulations for:

Bachelor of Applied Information Technology

Incorporating: The New Zealand Diploma in Information Technology Technical Support (Level 5) BI1607; and

The New Zealand Certificate in Information Technology (Level 5) BI1606

Wintec code:	BI1601	MoE:	WK2687
Level:	7	Credits:	360
Owner:	Centre for Information Technology	Effective Date:	July 2026

These regulations should be read in conjunction with the Institute's Academic Regulations.

1. Admission and Entry

1.1. General Academic Admission

a) Candidates are required to have:

i) NCEA Level 3 comprised of 60 credits at NCEA Level 3 or above and 20 credits at NCEA Level 2 or above, including:

(1) 14 credits each at NCEA Level 3 in three approved subjects[1]; and

(2) UE Literacy[2] (10 credits at NCEA Level 2 or above made up of 5 credits each in reading and writing); and

(3) UE Numeracy[3] (10 credits at NCEA Level 1 or above) made up of specified achievement standards or a package of specified unit standards; or

ii) 72 credits at NCEA Level 2 including:

(1) A minimum of 14 credits in each of four subjects; and

(2) UE Literacy (10 credits at NCEA Level 2 or above made up of 5 credits each in reading and writing); and

(3) UE Numeracy (10 credits at NCEA Level 1 or above; or

iii) A relevant qualification at Level 3 on the NZQF or above and the equivalent of UE Literacy and UE Numeracy;

or

iv) The New Zealand Certificate in Information Technology (Level 5); or

v) The New Zealand Diploma in Information Technology Technical Support (Level 5); or vi) Equivalent.

1.2. Special Admission

Domestic applicants aged 20 years or above who have not met the General Admission or entry requirements for a programme but whose skills, education or work experience indicate that they have a reasonable chance of success[4] may be eligible for Special Admission. Special admission will be granted at the discretion of the relevant Head of School/Centre Director or designated

[1] List of UE Approved Subjects on NZQA website

[2] List of Achievement Standards that contribute to Literacy from NZQA website

[3] List of Achievement Standards that contribute to Numeracy from NZQA website

[4] Education Act 1989 Section 224 (3)

nominee. Such applicants may be required to successfully complete a foundation, bridging or tertiary introductory programme as a condition of entry into higher level programmes.

1.3. Provisional Entry
Domestic applicants aged under 20 years who have not met the general academic admission and entry criteria for a programme but who can demonstrate a reasonable chance of success through other educational attainment and/or work or life experience may be eligible for provisional entry at the discretion of the relevant Head of School/Centre Director or designated nominee. Provisional entry places restrictions on re-enrolment to be lifted if the applicant's performance is deemed satisfactory by the relevant Head of School/Centre Director or designated nominee.

1.4. English Language Requirements
Candidates who have English as a second language are required to have an International English Language Test System (IELTS) score of 6.0 with no individual band score lower than 5.5; or equivalent.

2. Transfer of Credit
2.1. The standard credit limit for TOC is two thirds (⅔) of the qualification.

2.2. Transfer of credit will not be granted at Level 7.

2.3. In exceptional circumstances, these Transfer of Credit clauses may be waived, with the approval of the Academic Committee or delegated authority.

3. Programme Requirements
3.1. Every candidate for the Bachelor of Applied Information Technology shall to the satisfaction of the Academic Board follow a programme of study for a period of normally not less than six semesters.

3.2. Each candidate's programme of study shall comprise modules as per their chosen specialisation, totalling 360 credits, from the Schedule of Modules in Section 6 of these regulations.

3.3. All candidates will complete the modules as outlined in the Schedule of Modules table for their chosen specialisation.

4. Completion of the Programme
4.1. A full-time candidate will normally complete the Bachelor of Applied Information Technology within five years, unless an extension is granted by special permission of the Centre Director or delegated nominee.

5. Award of the Qualification
5.1. Candidates who successfully complete the requirements in clause 3 will receive the award of the Bachelor of Applied Information Technology.

6. Schedule of Modules
Note: no value in the pre/co-requisite columns means there are no pre/co-requisites for that module.

Group A – Compulsory modules for all specialisations

Module Code	Module Name	Level	Credits	Pre-Requisites	Co-Requisites

COMP501	Information Technology Operations	5	15		
COMP502	Python Programming: Foundations for AI and Data Science	5	15		
COMP503	Introduction to Networks	5	15		
COMP504	Operating Systems and Systems Support	5	15		
COMP506	Interactive Digital Media	5	15		
INFO507	Fundamentals of Information Systems	5	15		
INFO503	Database Principles	5	15	INFO507	
INFO504	Technical Support	5	15		
COMP601	Object Oriented Programming	6	15	COMP502	
INFO601	Database Modelling and SQL	6	15	INFO503	
MATH601	Mathematics for Information Technology	6	15		
COMP602	Full-Stack Web Development	6	15	COMP506	
INFO602	Business, Interpersonal Communications and Technical Writing	6	15		
BIZM701	Business Essentials for IT Professionals	7	15	INFO602	

Group B – Compulsory modules for Network Engineering specialisation

Module Code	Module Name	Level	Credits	Pre-Requisites	Co-Requisites
INFO603	Systems Administration	6	15		
COMP604	Routing and Switching Essentials	6	15	COMP503	
COMP615	Cloud Computing	6	15		
COMP701	Networking with NetDevOps & AIOps	7	15	INFO603	
COMP702	Enterprise Networking and Security	7	15	COMP503 COMP604	
COMP704	Network Security	7	15	COMP604	

INFO702	Cyber Security	7	15	COMP504 or INFO603 or COMP601	
COMP716	Applied Virtualisation for AI Workloads	7	15	COMP503 INFO603	
COMP714 Or INFO710	Network Engineering Project Industry Placement/Internship	7 7	30 30	COMP701 and COMP702	

Group C – Compulsory modules for Software Engineering specialisation

Module Code	Module Name	Level	Credits	Pre-Requisites	Co-Requisites
COMP605	Data Structures and Algorithms	6	15	COMP601 and MATH601	
MATH602	Mathematics for Programming	6	15	MATH601	
COMP609	AI-assisted Application Development	6	15	COMP601 and MATH601	
INFO703	Big Data and Analytics	7	15	COMP605 and MATH601	
COMP707	Principles of Software Testing	7	15	COMP605	
COMP706	Game Development with AI Integration	7	15	COMP601 and COMP605	
COMP709	Mobile Applications Development	7	15	COMP601	
INFO702	Cyber Security	7	15	COMP504 or INFO603 or COMP601	
COMP715 Or INFO710	Software Engineering Project Industry Placement/Internship	7 7	30 30	COMP707	

Group D – Compulsory modules for Database Architecture specialisation

Module Code	Module Name	Level	Credits	Pre-Requisites	Co-Requisites

COMP605	Data Structures and Algorithms	6	15	COMP601 and MATH601	
COMP606	Web Programming	6	15	COMP602	
INFO604	Database Systems	6	15	INFO503	INFO601
INFO706	Database Front-End Applications	7	15	INFO601 and INFO604	
INFO707	Cloud Server Databases	7	15	INFO601 and INFO604	
INFO703	Big Data and Analytics	7	15	COMP605 and MATH601	
COMP709	Mobile Applications Development	7	15	COMP601	
INFO704	Data-Warehousing and Business Intelligence	7	15	INFO601	
INFO712 Or INFO710	Database Architecture Project Industry Placement/Internship	7 7	30 30	INFO707 and INFO704 and INFO706	

Group E – Compulsory modules for Multimedia and Web Development specialisation

Module Code	Module Name	Level	Credits	Pre-Requisites	Co-Requisites
COMP606	Web Programming	6	15	COMP602	
INFO605	Human Computer Interaction	6	15	COMP602	
COMP616	Front-End Web Development	6	15		
INFO708	Data Visualisation	7	15	COMP606	
COMP710	Web Applications Development	7	15	COMP602 and COMP606	
INFO702	Cyber Security	7	15	COMP504 or INFO603 or COMP601	
COMP709	Mobile Applications Development	7	15	COMP601	
COMP717	Advanced Web Technologies	7	15	COMP606	COMP710
COMP713	Web Application Project	7	30	COMP606 and	

				COMP710	
	Or				
INFO710	Industry Placement/Internship	7	30		

Group F : Transition Modules

Module Code	Module Name	Level	Credits	Pre-Requisites	Co-Requisites
COMP703	Network Engineering Project	7	15	INFO603 and COMP702	COMP701
COMP708	Software Engineering Project	7	15	COMP605 and MATH602	
INFO705	Database Architecture Project	7	15	INFO601 and INFO604	
COMP711	Web Development Project	7	15	COMP602 and COMP606	

These modules are only available under a transition arrangement for applicable students. They may only be taken with the agreement of a Team Manager or the Centre Director.