

PROGRAMME REGULATIONS

Programme Schedule

Graduate Diploma in Computing

To be read in conjunction with the [Graduate Diploma Generic Regulations](#).

These regulations came into force in Semester 1, 2019.

1. Programme Schedule

This Schedule applies to the Graduate Diploma in Computing (GDipComp) Level 7 Credits 120.

2. Programme Specific Admission

2.1 Specific Admission

There are no programme specific admission requirements

2.2 English language requirements

Applicants must have achieved a minimum standard of English demonstrated by one of the following:

- a. Completion of the NZ Certificate in English Language (NZCEL) (Academic) (Level 4)
- b. An overall IELTS band score (Academic Format) of no less than 6.0 (with band scores of no less than 6.0 in reading and writing and no less than 5.5 in listening and speaking).

3. Selection Criteria

When the number of eligible applicants for admission exceeds the number of places available, the following selection criteria will be applied:

- professional qualifications which are relevant to the proposed field of study;
- assurance of commitment to undertaking all aspects of the programme and meeting the learning outcomes;
- relevant work experience;
- recommendation from employers;
- academic and technical aptitude.

Applicants who meet the maximum number of listed criteria will be the preferred candidates.

4. Selection Process

- a. All applicants will be required to provide a written application
- b. Relevant Academic Authority will select and offer places to students.
- c. Applicants may be required to attend an interview in person or by telephone.
- d. Interviews carried out by telephone will be conducted by the relevant Academic Authority.
- e. Interviews carried out in person will be conducted by the relevant Academic Authority.

5. Requirements for the Award of the Qualification

5.1 Graduate Diploma in Computing

To be awarded the Graduate Diploma in Computing (Level 7, 120 credits) a student must successfully complete at least 120 credits from Table 1 with at least 72 credits at Level 7 or higher.

All students must have their programme of study approved by the relevant Academic Authority prior to enrolment.

5.2 Course details

Table 1: Courses for Graduate Diploma in Computing

Level	Course No.	Course Name	Credits	Prerequisites	Co-requisites
Level 5					
5	ISCG5400	Hardware Fundamentals	15		
5	ISCG5401	Operating System Fundamentals	15		
5	ISCG5403	Networking Fundamentals	15		
5	ISCG5420	Programming Fundamentals	15		
5	ISCG5421	Programming Principles and Practice	15		
5	ISCG5422	Multimedia and Website Development	15		
5	ISCG5423	Introduction to Databases	15		
5	ISCG5424	Information Systems Concepts	15		
5	HTCS5700	Cyber Security Principles	15		

Level	Course No.	Course Name	Credits	Prerequisites	Co-requisites
Level 6					
6	ISCG6400	Hardware Technology	15		
6	ISCG6401	Data Communications and Networks	15		
6	ISCG6402	Network Administration and Support	15		
6	ISCG6403	Network Operating Systems Management	15		
6	ISCG6404	Web Server Management	15		
6	ISCG6407	Fundamental Concepts in Cyber Security	15		
6	ISCG6411	Project Planning and Control	15	ISCG5410 or ISCG5424	
6	ISCG6412	Help Desk	15	ISCG5410 or ISCG5424	
6	ISCG6413	Testing and Quality Assurance in ICT	15		
6	ISCG6420	Internet and Website Development	15		
6	ISCG6421	GUI Programming	15		
6	ISCG6422	Multimedia Programming	15		
6	ISCG6423	Database Design and Development	15		
6	ISCG6424	User Interface Design	15		
6	ISCG6425	Data Warehousing	15		
6	ISCG6426	Data Structures and Algorithms	15	As approved by the relevant Academic Authority	
6	ISCG6435	Special Topic	15		
6	ISCG6441	Visual Game Design	15		
6	ISCG6442	Game Programming	15	As approved by the relevant Academic Authority	ISCG6426
An approved Level 6 course from another programme			15		

Level	Course No.	Course Name	Credits	Prerequisites	Co-requisites
Level 7					
7	ISCG7140	<i>Managerial Effectiveness</i>	15		
7	ISCG7141	<i>Computers and Communications Technology</i>	15		
7	ISCG7142	<i>Information Systems and Analysis</i>	15		
7	ISCG7144	<i>Internet Applications</i>	15		
7	ISCG7145	<i>IT Work Based Learning</i>	15	ISCG7142 or ISCG7132	
7	ISCG7400	<i>Computer Systems Security</i>	15	ISCG6402 or ISCG6225	
7	ISCG7401	<i>Advanced Data Communications</i>	15	ISCG6401 or ISCG6221	
7	ISCG7402	<i>Network Design and Implementation</i>	15	(ISCG6402 or ISCG6225) and (ISCG6403 or ISCG6221)	
7	ISCG7404	<i>Computer Forensic Investigations</i>	15	ISCG6401 and ISCG6402	
7	ISCG7406	<i>Cyber Security Policy</i>	15	ISCG6407	
7	ISCG7407	<i>Advanced Cyber Security</i>	15	ISCG6407 and ISCG6400	
7	ISCG7408	<i>Malware Analysis</i>	15	ISCG6407	
7	ISCG7410	<i>Information Systems Management</i>	15	ISCG6411	
7	ISCG7411*	<i>Project Management Methodologies</i>	15		
7	ISCG7412*	<i>Risk Management</i>	15		
7	ISCG7413	<i>Testing and Quality Assurance Management</i>		ISCG6413 or ISCG6243	
7	ISCG7414	<i>Business Systems Analysis</i>	15	ISCG7142	
7	ISCG7420	<i>Web Application Development</i>	15	ISCG7142 and ISCG6421 and ISCG6420	

Level	Course No.	Course Name	Credits	Prerequisites	Co-requisites
7	ISCG7421	Advanced Program Development	15	ISCG6421 and ISCG7142	
7	ISCG7422	Multimedia Application Development	15	ISCG6422 or ISCG6241	
7	ISCG7424	Mobile Software Development	15	ISCG7142 ISCG6421	ISCG6426
7	ISCG7425	Java Enterprise Programming	15	ISCG6423 and ISCG6421	ISCG6426
7	ISCG7426	Data Mining	15	ISCG6421 & ISCG6425 or as approved by the PL	ISCG6426
7	ISCG7427	Agile and Lean Software Delivery	15	ISCG7142	
7	ISCG7435	Special Topic 1	15		
7	ISCG7436	Special Topic 2	15		
7	ISCG7441	Advance Game Programming	15	ISCG6442 or as approved by the PL	
7	ISCG7444	Cloud Application Design & Development	15	ISCG6420 or as approved by the PL	
7	ISCG7445	Health Software Analysis & Design	15	ISCG6414 or as approved by the PL	
7	ISCG7446	Advanced Data Engineering	15	ISCG6423 and ISCG6425	ISCG6426
7	ISCG7488	Negotiated Study	15	Relevant Academic Authority Approval & completion of 60 credits towards Graduate Diploma Computing	
An approved Level 7 course from another programme			15		
Level 8					
8	A maximum of 30 credits from Level 8 courses in the Postgraduate Diploma in Computing				

*ISCG7411 and ISCG7412 – One re-sit allowed for the final exam

5.3 Credit restrictions

Students who gain credit for a course or courses listed in Column A may not gain credit for any of the corresponding courses in Column B.

Students who gain credit for a course or courses in Column B cannot gain credit for any of the corresponding courses in Column A.

Column A	Column B
ISCG7141	ISCG7131, ISCG6221, ISCG6401
ISCG7142	ISCG7132, ISCG6234, ISCG6414
ISCG6400	ISCG6221, ISCG7131, ISCG7141
ISCG6414	ISCG6234, ISCG7132, ISCG7142

6. Assessment

6.1 Assessment basis

- Assessment for all courses is achievement based using an 11 point grading scale.

6.2 Grade allocation

Grades for courses are calculated by the mathematical aggregation of weighted assessment marks. The following course grades shall be awarded to students who obtain the following marks:

Grade	Percentage	Result
A+	90 – 100	Pass
A	85 – 89	Pass
A-	80 – 84	Pass
B+	75 – 79	Pass
B	70 – 74	Pass
B-	65 – 69	Pass
C+	60 – 64	Pass
C	55 – 59	Pass
C-	50 – 54	Pass
D	40 – 49	Fail
E	0 - 39	Fail

Students may be awarded one of the following grades for a course if they meet the criteria described.

Grade	Meaning	Criteria
CR	Credit Recognition	The student has applied for and been awarded a credit recognition from another qualification
DEF	Deferred	The course result has been deferred
W	Withdrawn	If a student withdraws from a course after the 10% date of the course is completed and up to or at the 75% date of the course. No credits earned.

6.3 Restricted passes

No restricted passes will be awarded for courses in this diploma.

6.4 Late Submission

Assignments submitted up to 72 hours late without Special Assessment Circumstances (SAC) approval, would be marked, subject to penalties, as follows:

- 10% of the marks deducted if submitted within 24 hours of the deadline
- 20% of the marks deducted if submitted after 24 hours and up to 48 hours of the deadline
- 30% of the marks deducted if submitted after 48 hours and up to 72 hours of the deadline.

7. General Provisions

In courses where safety is concerned, an attendance requirement may be stipulated in the relevant course schedule.

8. Transition Arrangements

8.1 Restriction Table

Course Number	Has a restriction of course(s)
ISCG5400	ISCG5232
ISCG5403	ISCG5233
ISCG5420	ISCG5235
ISCG5421	ISCG5239
ISCG5422	ISCG5242
ISCG5423	ISCG5236
ISCG5424	ISCG5410
ISCG6400	ISCG6223
ISCG6401	ISCG6221
ISCG6402	ISCG6225

Course Number	Has a restriction of course(s)
ISCG6403	ISCG6226
ISCG6404	ISCG6238
ISCG6410	ISCG6242
ISCG6411	ISCG6231
ISCG6412	ISCG6224
ISCG6413	ISCG6243
ISCG6414	ISCG6234
ISCG6420	ISCG6240
ISCG6421	ISCG6222
ISCG6422	ISCG6241
ISCG6423	ISCG6230
ISCG6424	ISCG6235
ISCG7140	ISCG7130
ISCG7141	ISCG7131 and ISCG6221 and ISCG6401
ISCG7142	ISCG7132 and ISCG6234 and ISCG6414
ISCG7144	ISCG7134
ISCG7145	ISCG7135
ISCG7400	ISCG7249
ISCG7401	ISCG7220
ISCG7402	ISCG7221
ISCG7410	ISCG7235 and ISCG7236
ISCG7413	ISCG7253
ISCG7414	ISCG7251
ISCG7420	ISCG7225
ISCG7421	ISCG7226
ISCG7422	ISCG7241
ISCG7423	ISCG7252
ISCG7445	ISCG7414