Postgraduate Diploma in Information Systems and Technology (PGDipIST – 120 points)

These regulations must be read in conjunction with the General Regulations for the University.

1. Version

(a)   These Regulations came into force on 1 January 2018.
(b)   This Diploma was first offered in 2018.

2. Variations

In exceptional circumstances the Amo Matua, Umanga | Executive Dean of Business or delegate may approve a personal programme of study which does not conform to these Regulations.

3. The structure of the qualification

To qualify for the Postgraduate Diploma in Information Systems and Technology a student must:

(a)   Pass courses having a total minimum value of 120 points from Schedule E to this Diploma.
(b)   Pass a minimum of 60 points from INFO coded courses.
(c)   Take no more than 30 points from MBIS601–699 and COSC480.

4. Admission to the qualification

To be admitted to the Postgraduate Diploma in Information Systems and Technology a student must have:

(a)   either
    i.   qualified for an Aotearoa New Zealand university degree with at least a B Grade Point Average in 60 points of 300-level Information Systems or related courses, or equivalent; or
    ii.   been admitted with Academic Equivalent Standing; and
(b)   been approved as a student for the Diploma by the Amo Matua, Umanga | Executive Dean of Business or delegate
(c)   demonstrated a high proficiency in English. A student who speaks English as a second language will be required to produce evidence that their English ability meets the standards specified in the Admission Regulations to the University.

5. Subjects

There are no majors or minors for this qualification.

6. Time limits

This qualification adheres to the General Regulations for the University with a time limit of 48 months.

7. Transfers of credit, substitutions and cross-credits

This qualification adheres to the Credit Recognition and Transfer Regulations, with the following stipulations:

(a)   A maximum of 30 points at an equivalent level can be transferred from another uncompleted qualification as approved by the Amo Matua, Umanga | Executive Dean of Business or delegate.
(b)   With the approval of the Amo Matua, Umanga | Executive Dean of Business or delegate, a student may replace 30 points of courses from Schedule E to this qualification with courses prescribed for another subject at an equivalent level.

8. Progression

This qualification adheres to the General Regulations for the University, with the following stipulations:

(a)   Subject to the approval of the Tumuaki Tari | Head of Department, a student who fails a course may repeat the course, but will not be allowed to repeat more than two courses.
(b)   A student who fails three or more courses or fails the same course more than once will not be permitted to proceed with the Diploma.

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9. Honours, Distinction and Merit

This qualification adheres to the General Regulations for the University, with the following stipulations:

The Postgraduate Diploma in Information Systems and Technology may be awarded with Distinction if a GPA of 8.0 or better is achieved over all courses.

10. Exit and Upgrade Pathways to other Qualifications

(a)   A student completing the PGDipIST, who has achieved a Grade Point Average of B+ or better over at least 90 points in the Diploma and who has not failed a course, and has not been awarded the Diploma, may apply to be admitted to the Master of Commerce and transfer credit for those courses previously credited to the Diploma to the Master of Commerce in Information Systems.

(b)   A student who has graduated with a PGDipIST from Te Whare Wānanga o Waitaha | University of Canterbury, may apply to the Amo Matua, Umanga | Executive Dean of Business or delegate to be admitted to the Master of Commerce and have their PGDipIST subsumed in accordance with the General Regulations to the University.

(c)   A student enrolled in the PGDipIST who has satisfied all the requirements for the Postgraduate Certificate in Information Systems and Technology may apply to withdraw from the Diploma and be awarded the Certificate.

Schedule E: Elective Courses for the Postgraduate Diploma in Information Systems and Technology

For full course information, go to courseinfo.canterbury.ac.nz

Course Code	Course Title	Pts	2025	Location	P/C/R/RP/EQ
COSC401	Machine Learning	15	S1	Campus	P: (i) COSC367; and (ii) At least 45 points of MATH/EMTH/STAT (but not including MATH101, MATH110, EMTH117, STAT101); and (iii) Subject to approval by the Head of Department
COSC413	Advanced Topics in Algorithms	15	NO		P: COSC262 and COSC367. Subject to approval of the Head of Department.
COSC418	Wireless Ad-hoc and Sensor Networks	15	NO		P: (COSC364 or COSC331), ENCE260. RP: ENCE361
COSC420	Intelligent Tutoring Systems	15	S1	Campus	P: Subject to approval of the Head of Department.
COSC421	Advanced Topics in Security	15	S1	Campus	P: (1) COSC362 and (2) subject to approval by the Head of Department
COSC422	Advanced Computer Graphics	15	S2	Campus	P: 1) COSC363 2) Subject to Approval of the Head of Department
COSC428	Computer Vision	15	S1	Campus	P: (1) 30 points of 300-level COSC/SENG/DATA; or (2) ENEL300; or (3) ENMT301; or (4) Approval by the Head of Department of Computer Science and Software Engineering.
COSC432	Relational Methods	15	S2	Campus	P: (1) at least one of COSC261, COSC262; and (2) at least one of MATH120, MATH230
COSC434	Special Topic	15	S2	Campus	P: Subject to approval of the Head of Department.
COSC437	Special Topic	15	S2	Campus	P: Subject to approval by Head of Department.
COSC437	Special Topic	15	S2	Campus	P: Subject to approval by Head of Department.
COSC439	Special Topic	15	S2	Campus	P: Subject to approval of the Head of Department.
COSC440	Deep Learning	15	S1	Campus	P: (1) 30 points of 300-level COSC/SENG/DATA/ ENCE/ENEL301; and (2) COSC122; and (3) COSC262 or ENEL300 or ENMT301
COSC441	Wireless Networking Systems and Performance	15	NO		P: ENCE260, SENG201 and COSC364. R: COSC418
COSC442	Natural Language Processing	15	NO		P: COSC367

COSC443	Ethics of Artificial Intelligence	15	S2	Campus	P: Subject to Approval by the Head of Department
			S2	Distance Learning	R: PHIL425, PHIL424
COSC445	Special Topic: Professional, Ethical and Cultural Perspectives on Computer Science	15	S2	Campus	P: Approval from the Head of Department required R: COSC345, ENEL301
COSC446	Cybersecurity Fundamentals	15	X1	UC Online	P: Subject to approval of the Head of Department.
			X3	UC Online	R: COSC362
COSC447	Computer Networks and Security	15	X2	UC Online	P: Subject to approval of the Head of Department.
			X4	UC Online	
COSC448	Ethical Hacking: Penetration Testing Methodology and Techniques	15	X3	UC Online	P: COSC446
COSC469	Research Methods in Computer Science and Software Engineering	15	S1	Campus	P: Subject to approval by Head of Department. R: COSC460
COSC470	Research Project	30	W	Campus	P: Subject to approval of the Head of Department C: COSC469 R: COSC460, COSC461
COSC471	Special Topic	15	S1	Campus	P: Approval by the Head of Department
COSC473	Special Topic	15	S1	Campus	P: Entry is subject to the approval of the Head of Department
COSC474	Special Topic	15	S2	Campus	P: Subject to the approval of the Head of Department
COSC475	Independent Course of Study	15	S1	Campus	P: Subject to approval of the Head of Department
			W	Campus	
			S2	Campus	
COSC476	Independent Course of Study	60	NO		P: Subject to the approval of the Head of Department.
COSC478	Special Topic	15	S2	Campus	P: Subject to approval by Head of Department.
COSC478	Special Topic	15	S2	Campus	P: Subject to approval by Head of Department.
COSC479	Special Topic	15	S1	Campus	P: Subject to approval by Head of Department.
COSC479	Special Topic	15	S1	Campus	P: Subject to approval by Head of Department.
COSC480	Computer Programming	15	X1	UC Online	P: Subject to approval of the Head of Department.
			S1	Campus	
			S1	Distance Learning	
			S2	Campus	
			S2	Distance Learning	
			X4	UC Online	
COSC486	Research Project	15	SU2	Campus	P: Entry is subject to the approval of the Head of Department. RP: COSC400-level courses
COSC680	Computer Science Professional Project	60	FY	Campus	P: Subject to approval of the Head of Department.
COSC681	AI Project	60	A	Campus	P: Subject to approval of the Head of Department. R: Only available to students enrolled in the Master of AI programme.
INFO609	Special Topic	15	NO		P: Subject to approval of the Head of Department
INFO614	Research Methodology and Epistemology	30	S1	Campus	P: Subject to approval of the Head of Department
			S2	Campus	R: ACCT614, ACIS614, AFIS614

INFO620	Information Systems Research	15	S2	Campus	P: Subject to approval of the Head of Department. R: ACIS620, AFIS620, AFIS610
INFO621	Artificial Intelligence (AI) in Business	15	S1	Campus	P: Subject to approval of the Head of Department
INFO629	IS Case Study	15	NO		P: Subject to approval of the Head of Department
INFO632	Cognitive Science and Artificial Intelligence	15	NO		P: Subject to approval of the Head of Department R: ACIS632, AFIS632
INFO633	Knowledge Management	15	S1	Campus	P: Subject to approval of the Head of Department
INFO634	Data Analytics & Business Intelligence	15	S1	Campus	P: Subject to approval of the Head of Department
INFO680	Research Project	30	A	Campus	P: Subject to approval of the Head of Department R: ACCT680, ACIS680, AFIS680
			W	Campus	
MBIS601	Management of Information Systems	15	S1	Campus	R: INFO243, INFO343
MBIS602	Systems Analysis and Process Modelling	15	S2	Campus	R: INFO223
MBIS603	Digital Business and Technology	15	S1	Campus	R: INFO253
MBIS621	Project Management	15	S2	Campus	R: INFO393
MBIS622	IS Security and Risk Management	15	S2	Campus	R: INFO333
			X4	UC Online	
MBIS623	Data Management	15	S1	Campus	R: INFO260
			S1	Distance Learning	
			X2	UC Online	
			S2	Campus	
			X4	UC Online	
MBIS624	Business Intelligence in Organisations	15	NO		R: INFO261
MBIS633	Special Topic: Applied Knowledge Management	15	S1	Campus	P: (i) 15 points from MBIS and (ii) 45 points from MBIS, MBAZ, MBUS, MPAC R: INFO633
MBIS673	Applied IS Project	30	S1	Campus	P: (1) MBAZ 604; and (2) 30 points from MBIS
			S2	Campus	
MBIS680	Research Project	45	S1	Campus	P: Subject to approval of the Head of Department
			S2	Campus	
MBIS691	Information Systems Internship	30	S1	Campus	P: (1) 60 points from MBIS; (2) Subject to the approval of the Director of Business Taught Masters.
			S2	Campus	
PHIL425	Ethics of Artificial Intelligence	15	S2	Campus	P: Subject to Approval by the Head of Department R: COSC443 and PHIL424
			S2	Distance Learning	
SCIE482	Honours Research Project Part 2	15	S1	Campus	P: SCIE481 R: ASTR480, BCHM480, BIOL480, BIOT480, CEMB480, CHEM480, CAMS449, COSC470, DATA480, ECOL480, ECON680, ENVR480, FINC680, STAT449, GEOG420, GEOL470, MATH449, MAPH480, MDPH480, MBIO480, PHYS480, PSYC470, PHIL480
SENG401	Software Engineering III	15	S1	Campus	P: SENG301 and SENG302 R: COSC427
SENG402	Software Engineering Research Project	30	W	Campus	P: SENG301, SENG302 AND Approval into the BE(Hons) Software Engineering programme.
SENG403	Software Process and Product Quality	15	S2	Campus	P: SENG301 and approval by Head of Department

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SENG404	Software Requirements and Architecture	15	S1	Campus	P: (1) SENG 301, or (2) Subject to approval by Head of Department
SENG406	Software Security	15	S2	Campus	P: SENG201 and ENCE260, or approval by the Head of Department R: COSC424
SENG442	Special Topic	15	S2	Campus	P: Subject to the approval of the Director of Studies

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