

# 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 Umanga | Dean of Business 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 MBIS 601–699 and COSC 480.

## 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 300-level courses, or equivalent; or
  - ii. been admitted with Academic Equivalent Standing; and
- (b) been approved as a student for the Diploma by the Amo Umanga | Dean of Business
- (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 stipulation:

- i. A maximum of 30 points at an equivalent level can be transferred from another uncompleted qualification as approved by the Amo Umanga | Dean of Business.
- ii. With the approval of the Amo Umanga | Dean of Business, 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.

## 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 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 MCom and transfer credit for those courses previously credited to the Diploma to the MCom in Information Systems.
- A student who has graduated with a PGDipIST from Te Whare Wānanga o Waitaha | University of Canterbury, may apply to the Amo Umanga | Dean of Business to be admitted to the MCom and have their PGDipIST subsumed in accordance with the General Regulations to the University.
- 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 [www.canterbury.ac.nz/courses](http://www.canterbury.ac.nz/courses)

Course Code	Course Title	Pts	2021	Location	P/C/R/RP/EQ
COSC 401	Machine Learning	15	S2	Campus	P: (i) COSC 367; (ii) At least 45 points of 100, 200or 300-level MATH/EMTH/STAT (but not including MATH 101, MATH 110, STAT 101); (iii) Subject to approval by the Head of Department
COSC 411	Advanced Topics in HCI	15	S1	Campus	P: 1) COSC 368, 2) Subject to approval of the Head of Department. BE(Hons) students must have completed COSC 363.
COSC 413	Advanced Topics in Algorithms	15	NO		P: COSC 262 and COSC 367. Subject to approval of the Head of Department.
COSC 418	Wireless Ad-hoc and Sensor Networks	15	NO		P: (COSC 364 or COSC 331), ENCE 260. RP: ENCE 361
COSC 420	Intelligent Tutoring Systems	15	NO		P: Subject to approval of the Head of Department.
COSC 421	Advanced Topics in Security	15	S1	Campus	P: (1) COSC 362 and (2) subject to approval by the Head of Department
COSC 422	Advanced Computer Graphics	15	S2	Campus	P: 1) COSC 363 2) Subject to Approval of the Head of Department
COSC 424	Secure Software	15	S2	Campus	P: Subject to approval of the Head of Department.
COSC 428	Computer Vision	15	S1	Campus	P: Subject to approval of the Head of Department.
COSC 432	Relational Methods	15	S2	Campus	P: COSC 261 or COSC 262; and MATH 120
COSC 434	Special Topic	15	NO		P: Subject to approval of the Head of Department.
COSC 439	Special Topic	15	NO		P: Subject to approval of the Head of Department.
COSC 440	Deep Learning	15	S2	Campus	P: (1) COSC 262; (2) 30 points of 300-level COSC/ SENG/DATA; (3) Approval by the Head of the Department of Computer Science and Software Engineering.
COSC 441	Wireless Networking Systems and Performance	15	S1	Campus	P: ENCE 260, SENG 201 and COSC 364. R: COSC 418
COSC 469	Research Methods in Computer Science and Software Engineering	15	S1	Campus	P: Subject to approval by Head of Department. R: COSC 460
COSC 470	Research Project	30	W CY	Campus Campus	P: Subject to approval of the Head of Department C: COSC 469 R: COSC 460, COSC 461
COSC 471	Special Topic: Natural Language Processing	15	S1	Campus	P: (1) COSC 262; (2) Approval by the Head of Department of Computer Science and Software Engineering

COSC 472	Special Topic	15	S1	Campus	P: Subject to the approval of the Head of Department
COSC 473	Special Topic	15	S2	Campus	P: Entry is subject to the approval of the Head of Department
COSC 474	Special Topic	15	S2	Campus	P: Subject to the approval of the Head of Department
COSC 475	Independent Course of Study	15	S1	Campus	P: Subject to approval of the Head of Department
			W	Campus	
			S2	Campus	
COSC 476	Independent Course of Study	60	NO		P: Subject to the approval of the Head of Department.
COSC 480	Computer Programming	15	S1	Campus	P: Subject to approval of the Head of Department
			S2	Campus	
COSC 486	Research Project	15	SU2	Campus	P: Entry is subject to the approval of the Head of Department. RP: COSC 400-level courses
COSC 680	Computer Science Professional Project	60	FY	Campus	P: Subject to approval of the Head of Department.
INFO 614	Research Methodology and Epistemology	30	S1	Campus	P: Subject to approval of the Head of Department R: ACCT 614, ACIS 614, AFIS 614
INFO 620	Information Systems Research	15	S2	Campus	P: Subject to approval of the Head of Department. R: ACIS 620, AFIS 620, AFIS 610
INFO 621	Special Topic: Artificial Intelligence (AI) in Business	15	S1	Campus	P: Subject to approval of the Head of Department
INFO 629	IS Case Study	15	S1	Campus	P: Subject to approval of the Head of Department
INFO 632	Cognitive Science and Artificial Intelligence	15	NO		P: Subject to approval of the Head of Department R: ACIS 632, AFIS 632
INFO 633	Knowledge Management	15	S1	Campus	P: Subject to approval of the Head of Department
INFO 634	Data Analytics & Business Intelligence	15	S2	Campus	P: Subject to approval of the Head of Department
INFO 635	Special Topic	15	S2	Campus	P: Subject to approval of the Head of Department R: INFO 353
INFO 680	Research Project	30	A	Campus	P: Subject to approval of the Head of Department R: ACCT 680, ACIS 680, AFIS 680
			W	Campus	
MBIS 601	Management of Information Systems	15	T1	Campus	P: Subject to approval of the Head of Department
MBIS 602	Systems Analysis and Process Modelling	15	T1	Campus	P: Subject to approval of the Head of Department
MBIS 603	Digital Business and Technology	15	T1	Campus	P: Subject to approval of the Head of Department
MBIS 621	Project Management	15	T2	Campus	P: Subject to approval of the Head of Department
MBIS 622	IS Security and Risk Management	15	T2	Campus	P: Subject to approval of the Head of Department
MBIS 623	Data Management	15	S1	Campus	P: Subject to approval of the Head of Department
MBIS 624	Business Intelligence in Organisations	15	T2	Campus	P: Subject to approval of the Head of Department.
MBIS 673	Applied IS Project	30	T3	Campus	P: (i) MBAZ 604; (ii) 30-points from MBIS
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MBIS 680	Research Project	45	A	Campus	P: Subject to approval of the Head of Department
MBIS 691	Information Systems Internship	30	T1	Campus	P: (i) 45 points from MBIS 621, MBIS 622, MBIS 623, MBIS 624; (2) Subject to the permission of the Programme Director.
			T3	Campus	

SENG 401	Software Engineering III	15	S1	Campus	P: SENG 301 and SENG 302 R: COSC 427
SENG 402	Software Engineering Research Project	30	W	Campus	P: SENG 301, SENG 302 AND Approval into the BE(Hons) Software Engineering programme.
SENG 403	Software Process and Product Quality	15	S2	Campus	P: SENG 301
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SENG 404	Software Requirements and Architecture	15	S1	Campus	P: (1) SENG 301, or (2) Subject to approval by Head of Department
SENG 405	Model-Driven Software Engineering	15	S1	Campus	P: COSC 261 and SENG 301
SENG 405	Model-Driven Software Engineering	15	S1	Campus	P: COSC 261 and SENG 301
SENG 440	Special Topic: Topics in Mobile Computing	15	S1	Campus	P: SENG 301
SENG 442	Special Topic	15	S2	Campus	P: Subject to the approval of the Director of Studies