Postgraduate Diploma in Geospatial Science and Technology (PGDipGST – 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 2024.
(b) This Diploma was first offered in 2018.

2. Variations

In exceptional circumstances the Amo Matua, Pūtaiao | Executive Dean of Science 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 Geospatial Science and Technology a student must:

(a) have been credited with 120 points of courses selected from the Schedule to the Regulations for the Postgraduate Diploma in Geospatial Science and Technology including:
    i. All Schedule C Courses;
    ii. A maximum of 60 points from GISC coded courses in Schedule E Group 1;
    iii. A maximum of 30 points from non-GISC coded courses from Schedule E Group 2 for the programme.

4. Admission to the qualification

A student for the Postgraduate Diploma in Geospatial Science and Technology, before enrolling for the Diploma, must have:

(a) qualified for a university degree with at least a B Grade Point Average in 300-level GIS courses; including 30 points of undergraduate GIS course(s), or GISC422 (Foundations of Geographic Information Systems), or an approved equivalent course prior to enrolment;
(b) been approved as a student for the degree by the Amo Matua, Pūtaiao | Executive Dean of Science or delegate.

5. Subjects

There are no majors, minors or endorsements for this qualification.

6. Time limits

This qualification adheres to the General Regulations for the University with a time limit of 24 months.

7. Transfers of credit, substitutions and cross-credits

This qualification adheres to the Credit Recognition and Transfer Regulations, with no additional stipulations.

8. Progression

This qualification adheres to the General Regulations for the University, which permits 30 points of course failures to qualify for the qualification, with no additional stipulations.

9. Honours, Distinction and Merit

This qualification adheres to the General Regulations for the University and may be awarded with distinction and merit.

10. Exit and Upgrade Pathways to other Qualifications

(a) A student who has completed the requirements for the PGDipGST but has not yet graduated, may apply to the Amo Matua, Pūtaiao | Executive Dean of Science or delegate to be admitted to the PMGST and have credits transferred.
(b) A student who has graduated with the PGDipGST from Te Whare Wānanga o Waitaha | University of Canterbury, may apply to the Amo Matua, Pūtaiao | Executive Dean of Science or delegate to be admitted to the PMGST and have their Diploma subsumed in accordance with the General Regulations to the University.
(c) A student who does not complete the points required to qualify for a PGDipGST may apply to the Amo Matua, Pūtaiao | Executive Dean of Science or delegate to have their credits transferred towards the award of a PGCertGST.

Schedule C: Compulsory Courses for the Degree of Postgraduate Diploma of Geospatial Science and Technology

For full course information, go to www.canterbury.ac.nz/courses

Course Code	Course Title	Pts	2024	Location	P/C/R/RP/EQ
GISC401	Foundations of Geographic Information Science	15	S1	Campus	P: Entry subject to the approval of the Programme Director. R: GISC101
GISC403	Geovisual Analytics	15	T1	Campus	P: GEOG205 or DIGI205 or GISC422 or equivalent.
GISC404	Spatial Analysis	15	S1	Campus	P: Subject to the approval of the Programme Director. RP: GEOG-DIGI205 or GISC422 or equivalent, GEOG323

Schedule E: Elective Courses for the Degree of Postgraduate Diploma of Geospatial Science and Technology

Group 1

Course Code	Course Title	Pts	2024	Location	P/C/R/RP/EQ
GISC402	GI Science Research	15	S2	Campus	P: Entry subject to approval by the Programme Director. RP: GEOG-DIGI205 or GISC422
GISC405	Environmental and Climate Data Analytics	15	S2	Campus	P: GISC101 or GISC401 or equivalent.
GISC406	Remote Sensing for Earth Observation	15	S1	Campus	P: GEOG205, GEOG208 R: GEOG407
GISC411	Spatial Analytics for Health, Society and Environment	15	NO		P: Entry is subject to the approval of the Programme Director: GIS. RP: HLTH462 recommended but not required.
GISC412	Spatial Data Science	15	S2	Campus	P: GISC401 or COSC121 or COSC480 or equivalent
GISC416	Conservation GIS	15	NO		P: GEOG-DIGI205 or GISC422 or equivalent.
GISC417	GIS Special Topic	15	NO		P: Entry subject to the approval of the (PMGST/PGDipGST) Programme Director, GEOG-DIGI205 or GISC422 or equivalent.

Group 2

Course Code	Course Title	Pts	2024	Location	P/C/R/RP/EQ
COMS408	Communication Ethics	30	S1	Campus	P: Subject to approval of the Head of Department. R: COMS422, PHIL469
DATA422	Data Wrangling for Data Science	15	S2	Campus	P: Subject to approval of the Head of Department of Mathematics and Statistics.
			S2	Distance Learning	
FORE642	Advanced IT Applications in Forestry and Natural Resource Management	15	S1	Campus	P: Subject to approval of Head of School R: FORE342
HITD603	Human Interface Technology - Prototyping and Projects	15	S1	Campus	P: Subject to Approval of the College of Engineering Dean (Academic) R: HITD601
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
MBIS623	Data Management	15	S1	Campus	R: INFO260
			S1	Distance Learning	
STAT448	Big Data	15	S1	Campus	P: Subject to approval of the Head of School
			S1	Distance Learning	
			S2	Campus	
			S2	Distance Learning	
STAT462	Data Mining	15	S1	Campus	P: Subject to approval of the Head of School.
			S1	Distance Learning	
			S2	Campus	
			S2	Distance Learning	