

# Postgraduate Diploma in Geographic Information Science\*

## (PGDipGIS – 120 points)

\* Not open to new enrolments in 2020.

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 2011.

### 2. Variations

In exceptional circumstances the Academic Dean of Science 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 Geographic Information Science a student must be credited with courses totalling 120 points selected from the Schedules to these Regulations as follows:

- (a) all courses from Schedule C to these regulations; and
- (b) at least one course from Schedule E Group 1,
- (c) at least one course from Schedule E Group 2,
- (d) and at least another 30 points from 400-level courses.

At the discretion of the Academic Dean of Science, an approved programme of study may include up to a total of 30 points of 400-level courses or higher from another New Zealand institution.

### 4. Admission to the qualification

To be admitted to the Postgraduate Diploma in Geographic Information Science a student must have:

- (a) either:
  - i. qualified for a degree in a New Zealand university which is of relevance to the proposed programme of study with a B Grade Point Average; or
  - ii. presented evidence of ability for advanced level academic study; or
  - iii. been admitted with Academic Equivalent Standing to enrol for the Postgraduate Diploma in Geographic Information Science; and
- (b) applied to enrol and been approved as a student by the Academic Dean of Science.

### 5. Subjects

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

### 6. Time limits

The 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, or a 15 point course failure twice, 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. Pathways to other qualifications

- (a) A student who has completed the requirements for the Postgraduate Diploma in Geographic Information Science but has not yet graduated, may apply to the Academic Dean of Science to be admitted to the Master of Geographic Information Science and have credits transferred.

- (b) A student who has graduated with the Postgraduate Diploma in Geographic Information Science from the University of Canterbury, may apply to the Academic Dean of Science to be admitted to the Master of Geographic Information Science and have their Diploma subsumed in accordance with the General Regulations to the University.
- (c) There are no exit qualifications for this Diploma.

## Schedule C: Compulsory Courses for the Postgraduate Diploma in Geographic Information Science

For full course information, go to [www.canterbury.ac.nz/courses](http://www.canterbury.ac.nz/courses)

Course Code	Course Title	Pts	2020	Location	P/C/R/PP/EQ
GISC 401	Foundations of Geographic Information Science	15	NO		P: Entry subject to the approval of the Programme Director, GIS. RP: GEOG 205 and one other GIS course recommended
GISC 402	GI Science Research	15	S2	Campus	P: Entry subject to the approval of the Programme Director, GIS. RP: GEOG 205, GISC 401
GISC 403	Cartography and Geovisualisation	15	NO		P: Entry subject to the approval of the Programme Director, GIS. RP: GEOG 205, GISC 401, GISC 404, GISC 406
GISC 404	Spatial Analysis	15	S1	Campus	P: Subject to the approval of the Programme Director, GIS. RP: GEOG 205, GEOG 324

## Schedule E: Elective Courses for the Postgraduate Diploma in Geographic Information Science

### Group 1

Course Code	Course Title	Pts	2020	Location	P/C/R/PP/EQ
GISC 405	GIS Programming and Databases	15	NO		
GISC 406	Remote Sensing for Earth Observation	15	S1	Campus	R: GEOG 407 RP: GEOG 205, GEOG 313

### Group 2

Course Code	Course Title	Pts	2020	Location	P/C/R/PP/EQ
GISC 411	Spatial Analytics for Health	15	S1	Campus	P: Entry is subject to the approval of the Programme Director: GIS. RP: HLTH 462 recommended but not required.
GISC 412	Spatial Data Science	15	S2	Campus	P: GISC 405, COSC 121, COSC 480, or any previous Python programming experience.
GISC 413	Geomatic Data Acquisition Techniques	15	S2	Campus	P: Entry is subject to the approval of the Director: GIS. RP: GISC 404, GISC 406
GISC 415	Geographic Information Systems (GIS) Internship	15	S2	Campus	P: Entry is limited to students enrolled in the PGDipGIS and MGIS programmes and subject to the approval of the MGIS Programme Director. R: Subject to the approval of the MGIS Director against normal or previous employment.
GISC 416	Conservation GIS	15	NO		P: GEOG 205 and (GEOG 324 or GEOG 323)

And/or two other courses at 400-level or higher (to a maximum of 30 points) relevant to a coherent programme of study with approval of the Director: GIS.

A total course weighting of at least 120 points must be completed.