

Postgraduate Diploma in Applied Data Science (PGDipADS – 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 2025.
- (b) This Diploma was first offered in 2017.

2. Variations

In exceptional circumstances the Amo Matua, P tāiao | 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 Applied Data Science a student must complete a total of at least 120 points including: 60 points of courses listed in Schedule C: Group 2.

- i. With approval of the Amo Matua, P tāiao | Executive Dean of Science or delegate a student may substitute one or more of these courses with a more advanced course on the topic.
- (c) At least 15 points from Schedule E courses listed in the Schedule to the degree.

4. Admission to the qualification

A student for the Postgraduate Diploma in Applied Data Science (PGDipADS), before applying to enrol in the Diploma, must have:

- (a)

9. Honours, Distinction and Merit

This qualification adheres to the General Regulations for the University, with no additional stipulations.

10. Exit and Upgrade Pathways to other Qualifications

- (a) A student who has completed the requirements for the PGDipADS but has not yet graduated, may apply to the Amo Matua, P taiao | Executive Dean of Science or delegate to be admitted to the Master of Applied Data Science and have credits transferred.
- (b) A student who has graduated with the PGDipADS from Te Whare Wanga o Waitaha | University of Canterbury, may apply to the Amo Matua, P taiao | Executive Dean of Science or delegate to be admitted to the Master of Applied Data Science and have their PGDipADS 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 Applied Data Science

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

Group 1: Foundational Data Science Competencies

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Qualification Regulations

Group 2: Advanced Data Science Competencies

A student will be required to take the following courses. With approval of the Kaihaut H taka | Programme Director, other relevant courses can be substituted:

| Course Code | Course Title | Pts | 2025 | Location | P/C/R/ RP/EQ |
|-------------|---|-----|------|-------------------|---|
| DATA420 | Scalable Data Science | 15 | X1 | UC Online | P: Subject to approval of the Head of Department of Mathematics and Statistics. |
| | | | S1 | Campus | |
| | | | S1 | Distance Learning | |
| | | | S2 | Campus | |
| | | | S2 | Distance Learning | |
| | | | X3 | UC Online | |
| DIGI405 | Texts, Discourses and Data: the Humanities and Data Science | 15 | S1 | Campus | P: Subject to approval of the Programme Coordinator. |
| | | | S1 | Distance Learning | |
| | | | S2 | Campus | |
| | | | S2 | Distance Learning | |
| | | | X3 | UC Online | |
| STAT448 | Big Data | 15 | S1 | Campus | P: Subject to approval of the Head of School |
| | | | S1 | Distance Learning | |
| | | | S2 | Campus | |
| | | | S2 | Distance Learning | |
| | | | X4 | UC Online | |
| STAT462 | Data Mining | 15 | S1 | Campus | P: Subject to approval of the Head of School. |
| | | | S1 | Distance Learning | |
| | | | X2 | UC Online | |
| | | | S2 | Campus | |
| | | | S2 | Distance Learning | |

Schedule E: Elective Courses for the Postgraduate Diploma in Applied Data Science

400 or 600-level courses in Biological Sciences, Computer Science, Digital Humanities, Economics, Environmental Science, Finance, Geography, Geology, Mathematics, Physics, Psychology, Statistics, or in a other relevant degree subject as approved by the Kaihaut H taka | Programme Director and the Tumuaki o te kura tika | Head of the relevant school. This group would normally include a course with a special integrated learning component.