

# Bachelor of Data Science

## BDataSc

### Your Degree

SCIE 101	DATA101	MATH102	COSC121	COSC122	100	100	100
DATA201	DATA203	STAT201/202	COSC262	PHIL240	200	200	100 / 200
DATA301	DATA303	STAT315/318	300 level - 30 Point Project		300	300	200 / 300

Major:

Each small block represents a 15-point course. Each large block represents a 30-point course. Fill in the squares with other courses from your major and that you are taking throughout your degree. Unsure? Meet with your Kaitoko (first year) or Student Advisor (second year and beyond) to confirm your degree plan.

### Your Time:

Time	Monday Mane	Tuesday Tūrei	Wednesday Wenerei	Thursday Tāite	Friday Paraire	Saturday Hātarei	Sunday Rātapu
8AM							
9AM							
10AM							
11AM							
12PM							
1PM							
2PM							
3PM							
4PM							
5PM							
6PM							
7PM							

Each 15 point course should use about 10 hours of your time – including lectures, labs and tutorials and self-directed study

# The Academic Year

The academic year is split into two semesters, with a two-week break in the middle. Each semester ends with a one-week study break, followed by two weeks for exams.

At 100 level, most courses are 15 points. At 200 and 300 level, course may be 15 or 30 points in the Faculty of Science, but the time commitment is the same; 15 points = 10 hours a week.

	Semester One	Semester Two
Year One	Four courses	Four courses
Year Two	Four courses	Four courses
Year Three	Four courses	Four courses

## What is a GPA?

GPA stands for Grade Point Average, and this is recorded on your internal transcript. You can view this in myUC. Each grade you receive has a corresponding numerical grade value assigned to it.

The GPA is based on an average which is calculated by multiplying each grade's value by the course's points to achieve a Grade Point Total, which is then divided by the total number of points taken.

## Grading Scale

Grade	GPA Value	Marks	Pass/Fail
A+	9	90 – 100	Pass
A	8	85 – 89.99	
A-	7	80 – 84.99	
B+	6	75 – 79.99	
B	5	70 – 74.99	
B-	4	65 – 69.99	
C+	3	60 – 64.99	
C	2	55 – 59.99	Fail
C-	1	50 – 54.99	
D	0	40 – 49.99	
E	-1	0 – 39.99	

## Non-numerical grades

Grade	GPA Value	Definition
P	n/a	Pass
F	n/a	Fail
S	n/a	Special Pass
R	1	Restricted Pass*
X	-3	Dishonesty

\* In a 100 or 200 level course. A restricted pass maybe granted. This is equivalent to a pass for all purposes except as a prerequisite.

Table contains undergraduate non numerical grades only.

## FAQs

### How do I change from a BSc to a BDataSc?

To change from the BSc to the BDataSc, you will need to seek specialist advice from either the Student Advisor, the programme coordinator, Peyman Zavar-Reza (peyman.zavar-reza@canterbury.ac.nz) or speak to your Kaitoko. You must fulfil all the degree requirements for the BDataSc, including all compulsory core courses and those of your chosen major.

### How do I change my majors in a BDataSc?

To change your major, it is important to be aware of the requirements of your new major, and to seek advice.

### How do I choose a major in a BDataSc?

We recommend that to choose a major you think about potential career pathways, but also to chat with the programme coordinator to get more information about how the majors work and where they might meet your interests or preferences.

### Can I take a double major in a BDataSc?

It is not recommended that you take a double major in the BDataSc, but it is important that if you choose to, you understand it will take longer than three years, and will require careful repeated planning.

### What do I do if I am struggling with a course?

In the first instance, make sure that you are attending all lectures and course activities, and submit all assignments, even if you don't think you will do very well. You should also talk to your course coordinator or your kaitoko as soon as possible.

### What other support is available to me?

There are many support services available on campus, whether you are looking to remedy a specific problem, or just see if you can do better in any area of your life. You can see the full list of support services under the "support services" tab in UC Home page.

Te Pātaka in Puaka-James Hight (Central) Library has a range of representatives from services at UC or you can chat with your Kaitoko.

## Have more questions?



Check out our full list of frequently asked questions, watch our video or find out what other students are asking on our website.

[www.canterbury.ac.nz/science/students](http://www.canterbury.ac.nz/science/students)

## About the BDataSc

The Bachelor of Data Science (BDataSc) degree aims to provide graduates with the skills, knowledge and capabilities needed to contribute to the fast developing data science-based professions.

The BDataSc degree contains a core of maths, data science and computer science. Along with these core subjects, students choose a 'major' subject to specialise in. You can specialise in one of the following six majors.

- **Business Analytics.** Brings in data from areas such as accounting, marketing, and economics to help make better business decisions, improve customer services, and implement growth strategies.
- **Bioinformatics.** Use a wide range of applications and tools to understand and manage the vast amounts of complex biological data generated from scientific research.
- **Spatial data science.** Use location-based data and tools like geographic information systems to find patterns and tackle complex problems.
- **Population health data science.** Find data-driven solutions to disease prevention and improve public health and wellbeing on a large scale.
- **Data science.** Analyse past and current data to provide predictions and valuable insights into everything from social behaviours to the natural environment.
- **Computational linguistics.** Apply computer science to the analysis, synthesis and comprehension of written and spoken language. Used in everything from speech recognition systems to search engines.

The BDataSc degree plan outlined on the previous page illustrates the core compulsory degree courses. In Year 3 of the degree, you will also undertake a research project aimed at solving a particular industry or community problem.

You can also check out the degree regulations on our website.

## Would you like to know more?

### Kaitoko Science Representatives:

Amanda Mitchell and Lily Adams  
kaitoko@canterbury.ac.nz

### UC Science Office:

Senior Academic Advisor - Anna Chapman  
Student Advisor - Bengu Korkut Yalcin  
scienceugadvice@canterbury.ac.nz

**See the full list of Science Course Coordinators on our website.**