The Degree of Bachelor of Environmental Science with Honours (BEnvSci(Hons) – 480 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 2021.
(b) This degree was first offered in 2021.

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 Bachelor of Environmental Science with Honours a student must be credited with a minimum of 480 points towards the qualification including;

(a) a minimum of 270 points from Schedule C to these Regulations; and
(b) a minimum of 135 points in a single major from Schedule S to these Regulations; and
(c) all remaining courses to be chosen from Schedule E to these Regulations including
    i. a minimum of 30 points from Group 1;
    ii. all remaining points must come from Group 2; and
(d) must complete ENVR300 Environmental Science Work Experience.

4. Admission to the qualification

All students must satisfy the Admission Regulations for the University to be admitted to this qualification.

5. Subjects

The majors for the degree are listed in Schedule S to these Regulations.

6. Time limits

The time limit for this qualification is 8 years.

7. Transfers of credit, substitutions and cross-credits

This qualification adheres to the General Conditions for Credit and Transfer Regulations, with no additional stipulations.

8. Progression

This qualification adheres to the General Regulations for the University, with the following stipulation(s):

(a) A student is not permitted to enrol in any 400-level courses prior to completion of 360 points of course work at 100, 200 and 300-level, including all courses for Schedule C, the major in Schedule S, and from Schedule E; and
(b) pass ENVR302 and ENVR303 with at least a B Grade Point Average.
(c) A student who has failed at least 30 points at 400-level, must apply to the Amo Matua, Pūtaiao | Executive Dean of Science or delegate to repeat the failed course(s) or to substitute other courses in their place.

9. Honours, Distinction and Merit

This qualification adheres to the General Regulations for the University and may be awarded with Honours, with the following stipulations:

(a) The BEnvSci(Hons) may be awarded with First, Second, or Third Class Honours. Second Class Honours will be listed as Division I or Division II.
(b) Honours are calculated on the basis of achievement in the 400-level courses for the degree. Only the grade for the first attempt at a course will be considered in the calculation.
(c) To be eligible for Honours a student must:
    i. complete all courses for the BEnvSci(Hons) in no more than 8 years of study; and

ii. complete the 300 and 400-level courses for the BEnvSci(Hons) within four years of their first enrolment in any 300-level course for the degree.

10. Exit and Upgrade Pathways to other Qualifications

(a) The Amo Matua, Pūtaiao | Executive Dean of Science or delegate may permit a student to graduate with the Bachelor of Environmental Science under the following circumstances:
   i. The student is not eligible to enrol in 400-level courses.
   ii. The student exceeds the time limit.
   iii. The student is unable to complete the Honours degree due to extenuating circumstances.

(b) A student who has not met the requirements for the Bachelor of Environmental Science with Honours or who wishes to transfer to the Bachelor of Science may apply to the Amo Matua, Pūtaiao | Executive Dean of Science or delegate for admission.

(c) A student who has not met the requirements for the Bachelor of Environmental Science with Honours may apply to the Amo Matua, Pūtaiao | Executive Dean of Science or delegate to graduate with a Certificate of Science.

(d) A student with an incomplete Bachelor of Science may apply to the Amo Matua, Pūtaiao | Executive Dean of Science or delegate for admission to the BEnvSci(Hons).

(e) There are no upgrades for this qualification.

Schedule C: Compulsory Courses for the Degree of Bachelor of Environmental Science with Honours

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

The following outlines the Core requirements.

100-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL112	Ecology, Evolution and Conservation	15	S2	Campus	
ENVR101	Introduction to Environmental Science	15	S1	Campus	
GEOG106	Global Environmental Change	15	S2	Campus	R: GEOG103
SCIE101	Science, Society and Me	15	S2	Campus	
			S2	Distance Learning	
STAT101	Statistics 1	15	SU2	Campus	R: STAT111, STAT112, DIGI103 EQ: STAT111, STAT112, DIGI103
			S1	Campus	
			S1	Distance Learning	
			S2	Campus	
			S2	Distance Learning	

And 15 points selected from:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
CHEM111	Chemical Principles and Processes	15	S1	Campus	P: (1) NCEA: at least 14 credits NCEA Level 3 Chemistry, or (2) CIE: at least D grade in CIE AL Chemistry or A grade in CIE ASL Chemistry, or (3) IB: at least Grade 4 in IB HL Chemistry or Grade 6 in IB SL Chemistry, or (4) CHEM114, or at least B Grade in BRDG023 or TRNS006
			S2	Campus	

CHEM114	Foundations of Chemistry	15	S1	Campus	R: (1) NCEA: 14 credits NCEA Level 3 Chemistry, or (2) CIE: at least D grade in CIE AL Chemistry or A grade in CIE ASL Chemistry, or (3) IB: at least Grade 4 in IB HL Chemistry or Grade 6 in IB SL Chemistry, or (4) at least B Grade in BRDG022 or BRDG023. Students who have been credited with any of CHEM111, CHEM112 or BCHM112 cannot subsequently be credited with CHEM114. Concurrent enrolment in CHEM114 and CHEM111 is not permitted

200-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL274	Principles of Ecology	15	S1	Campus	P: BIOL112 R: BIOL270
			S1	Distance Learning	
ENVR209	Environmental Science and Resource Management	15	S2	Campus	P: (ENVR101 and GEOG106) or (GEOG110 and GEOG106) and 15 points of CHEM, GEOL or BIOL R: GEOG206, GEOG209 and ENVR201 EQ: GEOG209
ENVR210	Practical Environmental Science and Management	15	S2	Campus	P: (ENVR101 and GEOG106) and 15 points from CHEM111, CHEM114 or BIOL112 R: ENVR201 and GEOG206 CR: ENVR209/GEOG209

And one course selected from:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL209	Biological Data Analysis	15	S1	Campus	P: STAT101 or 15 points of 100-level MATH
GEOG205	Introduction to Geographic Information Systems and Science	15	SU2	Campus	P: 45 points at 100-level or above, from any degree schedule R: DIGI205 and GISC422
			S1	Campus	
GEOG208	Remote sensing for geospatial analysis	15	S2	Campus	P: Any 30 points of 100-level Science, Engineering or Commerce R: GEOG313

300-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
ENVR300	Environmental Science Work Experience	0	A	Campus	P: Subject to the approval of the Director of Environmental Science R: This course is restricted to students enrolled in the Bachelor of Environmental Science with Honours
ENVR302	Carbon and Environmental Change	15	S1	Campus	P: ENVR209 or approval by the Head of School R: ENVR402
ENVR303	Mahika Kai and Environmental Science	30	W	Campus	P: ENVR209 and ENVR210 and approval by the Head of School R: This course is restricted to students enrolled in the BEnvSci(Hons) Restricted against GEOG309
PSYC341	Environmental Psychology	15	S2	Campus	P: Any 120 points at 100-level from any subject RP: PSYC105/PSYC106 or ENVR101
			S2	Distance Learning	

400-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
ENVR411	Case Studies in Environmental Science	15	S1	Campus	P: Subject to approval of the Head of School
ENVR415	Environmental Risk Assessment	15	S2	Campus	P: Students wishing to enrol in ENVR415 must have completed ENVR302 or ENVR402 or have Head of School approval
ENVR480	Research Project	30	W	Campus	P: Subject to approval of the Head of School

Schedule S: Subject courses for the Degree of Bachelor of Environmental Science with Honours

Note: The following information outlines the requirement for the individual majors. These requirements are in addition to Schedule C: Compulsory Courses.

Ecosystem Health and Biosecurity

200-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL275	Field Ecology	15	S1	Campus	C: BIOL274 R: BIOL270
BIOS201	Issues in New Zealand Biosecurity	15	S2	Campus	P: 60 points at 100-level R: BIOS101

And one course selected from:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL213	Microbiology	15	S2	Campus	P: BIOL111 or BIOL113 RP: BIOL231/BCHM202
GEOG201	Environmental Processes: Principles and Applications	15	S1	Campus	P: Any 30 points of 100-level Geography, or entry with approval of the Head of School R: GEOG201 prior to 2009
SOIL203	Soil Fertility	15	S2	Campus	P: 30 points from CHEM, GEOL, BIOL, FORE or by approval of the Chair, Forestry Board of Studies R: SOIL201
WATR201	Freshwater Resources	15	S2	Campus	P: Any 75 points at 100-level

300-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL309	Experimental Design and Data Analysis for Biologists	15	S2	Campus	P: BIOL209 or appropriate statistical background as determined by the Head of School
			S2	Distance Learning	

And 30 points selected from:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL336	Ecological and Evolutionary Models	15	S1	Campus	P: BIOL209 or 15 Points of 200-level COSC, DATA, EMTH, ENCE, PHYS, MATH or STAT RP: BIOL270, BIOL271 or BIOL274
BIOL371	Evolutionary Ecology	15	S1	Campus	P: BIOL271
BIOL375	Freshwater Ecosystems	15	S2	Campus	P: BIOL209 and either (1) BIOL270 or (2) BIOL274 and BIOL275

BIOL377	Global Change and Biosecurity	15	S1	Campus	P: BIOL209 and BIOL274
BIOL378	Population Ecology and Conservation	15	S1	Campus	P: BIOL209 and either (1) BIOL270 or (2) BIOL274 and BIOL275
BIOL384	Marine Ecosystems	15	S2	Campus	P: BIOL209 and either (1) BIOL270 or (2) BIOL274 and BIOL275. R: BIOL374 RP: BIOL212

400-level

A minimum of 30 points selected from:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL423	Evolutionary Ecology	15	S2	Campus	P: Subject to approval of the Head of School R: BIOL478
BIOL424	Community Ecology	15	S2	Campus	P: Subject to approval of the Head of School R: BIOL471
BIOL425	Freshwater Ecology	15	S1	Campus	P: Subject to approval of the Head of School R: BIOL472
BIOL426	Conservation Biology	15	S2	Campus	P: Subject to approval of the Head of School R: BIOL474
BIOL427	Global Change Biology	15	S1	Campus	P: Subject to approval of the Head of School R: BIOL479
BIOL428	Marine Biology and Ecology	15	S1	Campus	P: BIOL270 or BIOL250 R: BIOL473
FORE447	Environmental Forestry	30	S2	Campus	P: Subject to approval of the Chair, Forestry Board of Studies R: FORE444, FORE445, BIOL379

Environmental Change

100-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
ANTA102	Antarctica: The Cold Continent	15	S1	Campus	

200-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
ANTA201	Antarctica and Global Change	15	S1	Campus	P: 30 points from 100-level Antarctic Studies, Biology, Geography or Geology courses
BIOL273	New Zealand Biodiversity and Biosecurity	15	NO		P: BIOL112 or BIOL113 R: BIOL114

And one of:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
GEOG201	Environmental Processes: Principles and Applications	15	S1	Campus	P: Any 30 points of 100-level Geography, or entry with approval of the Head of School R: GEOG201 prior to 2009
GEOG215	Environmental Hazards and Disasters	15	S2	Campus	P: 30 points of Geography or Geology at 100-level; or 30 points from Science, Arts, Commerce, or Engineering R: GEOG305

300-level

45 points selected from:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL337	Global Change and Biosecurity	15	S1	Campus	P: BIOL231 and DATA201 and [STAT201 or STAT202 or BIOL209]
GEOG311	Coastal Studies	15	S1	Campus	P: 30 points of 200-level Geography, including GEOG201, or in special cases with approval of the Head of School
GEOG312	Snow, Ice and Climate	15	S2	Campus	P: 30 points of 200-level Geography, including GEOG211, or in special cases with approval of the Head of School
PHYS330	Environmental and climate modelling	15	NO		P: (COSC131 or COSC121 or BIOL209) and (PHYS285 or ENVR201 or ENVR209 or GEOG201) R: PHYS430

400-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL427	Global Change Biology	15	S1	Campus	P: Subject to approval of the Head of School R: BIOL479
GEOG412	Alpine Environments	15	S2	Campus	P: Entry subject to approval of the Head of School R: GEOG408 and GEOG410

Environmental Contamination

100-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL111	Cellular Biology and Biochemistry	15	S1	Campus	R: ENCH281 and BCHM111 EQ: BCHM111

200-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL213	Microbiology	15	S2	Campus	P: BIOL111 or BIOL113 RP: BIOL231/BCHM202
CHEM247	Analytical Chemistry	15	S1	Campus	P: CHEM111 or CHEM112 (BCHM112)

And one of:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
GEOG201	Environmental Processes: Principles and Applications	15	S1	Campus	P: Any 30 points of 100-level Geography, or entry with approval of the Head of School R: GEOG201 prior to 2009
HLTH214	Environmental and Occupational Health	15	S2	Campus	P: Any 60 points at 100-level from any subject, or any 30 points at 100-level from HLTH or SPCO
SOIL203	Soil Fertility	15	S2	Campus	P: 30 points from CHEM, GEOL, BIOL, FORE or by approval of the Chair, Forestry Board of Studies R: SOIL201
WATR201	Freshwater Resources	15	S2	Campus	P: Any 75 points at 100-level

300-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
ENVR304	Environmental Toxicology	15	S1	Campus	P: BIOL111, BIOL274 and CHEM247

And 30 points selected from:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL309	Experimental Design and Data Analysis for Biologists	15	S2	Campus	P: BIOL209 or appropriate statistical background as determined by the Head of School
			S2	Distance Learning	
BIOL313	Advanced Microbiology	15	S2	Campus	P: BIOL213
CHEM340	Environmental Chemistry and Toxicology	15	S1	Campus	P: 15 points from CHEM281, BCHM281 or CHEM247, plus 15 points from ENVR201, CHEM211, CHEM212, BCHM212, CHEM255 or CHEM251 R: CHEM324
PHYS330	Environmental and climate modelling	15	NO		P: (COSC131 or COSC121 or BIOL209) and (PHYS285 or ENVR201 or ENVR209 or GEOG201) R: PHYS430

400-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
WATR402	Water Quality and Quantity Assessment	15	NO		P: (1) Entry is subject to approval by the Programme Director (2) BSc, BE, BEMP (LU) or equivalent qualification or experience in a field of relevance in water resource management

And a minimum of 30 points selected from:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL455	Applied and Molecular Microbiology	15	S1	Campus	P: Subject to approval of the Head of School R: BIOL493 RP: BIOL313, BIOL333, BCHM301/BCHM331
ENVR414	Current Issues in Environmental Chemistry	15	S2	Campus	P: CHEM340 or ENCN281 or equivalent study
WATR401	Advanced Water Resources	15	NO		P: (1) Entry is subject to approval by the Programme Director (2) BSc, BE(Hons), BEMP (LU) or equivalent qualification or experience in a field of relevance in water resource management
WATR403	Water Management, Policy and Planning	15	NO		P: (1) Entry is subject to approval by the Programme Director, (2) BSc, BE, BEMP(LU) or equivalent qualification or experience in a field of relevance in water resource management

Environmental Hazards and Disasters

100-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
GEOL102	Environmental Earth System Science	15	S2	Campus	R: GEOL113; GEOL115

200-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
COMS232	Risk and Crisis Communication	15	S2	Campus	P: Any 15 points at 100-level from COMS, or either ENVR101 or GEOG106, or any 60 points at 100-level from Schedule V of the BA
			S2	Distance Learning	
GEOG215	Environmental Hazards and Disasters	15	S2	Campus	P: 30 points of Geography or Geology at 100-level; or 30 points from Science, Arts, Commerce, or Engineering R: GEOG305
GEOL246	Earth Surface Dynamics	15	S2	Campus	P: 30 points from GEOL, MATH, EMTH, ENVR, PHYS at 100-level, or (GEOG106 and 15 points from GEOL, MATH, EMTH, ENVR, PHYS at 100-level) RP: GEOL111; GEOL113; GEOG106; 100-level MATH

300-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
GEOG351	Rethinking Development	15	S2	Campus	P: 30 points of 200-level Geography, or approval of the Head of School R: GEOG212
GEOL354	Geodynamics and Geohazards	15	S1	Campus	P: Any 45 points at 200-level from GEOL.

And 15 points selected from:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
GEOG323	Geospatial Analysis in the Social and Environmental Sciences	15	S1	Campus	P: 30 points of 200-level Geography, including GEOG205, or in special cases with approval of the Head of School
GEOG324	Web GIS and Geoinformatics	15	S2	Campus	P: 30 points of 200-level Geography, including GEOG205, or in special cases with approval of the Head of School RP: COSC121, or equivalent introductory programming course
GEOG325	Health, Wellbeing and Environment	15	S1	Campus	P: 30 points of 200-level Geography; or 30 points from Science, Arts or Health Sciences R: GEOG322

400-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
DRRE401	Introduction to Disaster Risk and Resilience	15	X	Campus	P: Subject to approval of the Programme Director R: HAZM401
DRRE402	Natural Hazard Risk Assessment	15	T2	Campus	P: Subject to approval of the Programme Director R: HAZM410, ENCI601 RP: 100-level Statistics course

And one course selected from:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
GEOG404	Resource and Environmental Management (REM) in New Zealand	30	S2	Campus	P: Entry subject to approval of the Head of School R: GEOG444
HLTH403	Environmental Health	30	S2	Distance Learning	
			S2	Campus	

Freshwater

200-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
GEOG201	Environmental Processes: Principles and Applications	15	S1	Campus	P: Any 30 points of 100-level Geography, or entry with approval of the Head of School R: GEOG201 prior to 2009
WATR201	Freshwater Resources	15	S2	Campus	P: Any 75 points at 100-level

And 15 points selected from:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL213	Microbiology	15	S2	Campus	P: BIOL111 or BIOL113 RP: BIOL231/BCHM202
CHEM247	Analytical Chemistry	15	S1	Campus	P: CHEM111 or CHEM112 (BCHM112)

300-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
WATR301	Water Resource Management	15	S1	Campus	P: 45 points at 200-level in any subject area

And 30 points selected from:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL375	Freshwater Ecosystems	15	S2	Campus	P: BIOL209 and either (1) BIOL270 or (2) BIOL274 and BIOL275
CHEM340	Environmental Chemistry and Toxicology	15	S1	Campus	P: 15 points from CHEM281, BCHM281 or CHEM247, plus 15 points from ENVR201, CHEM211, CHEM212, BCHM212, CHEM255 or CHEM251 R: CHEM324
GEOG311	Coastal Studies	15	S1	Campus	P: 30 points of 200-level Geography, including GEOG201, or in special cases with approval of the Head of School
GEOG312	Snow, Ice and Climate	15	S2	Campus	P: 30 points of 200-level Geography, including GEOG211, or in special cases with approval of the Head of School

400-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
WATR401	Advanced Water Resources	15	NO		P: (1) Entry is subject to approval by the Programme Director (2) BSc, BE(Hons), BEMP (LU) or equivalent qualification or experience in a field of relevance in water resource management

And 15 points selected from:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
WATR402	Water Quality and Quantity Assessment	15	NO		P: (1) Entry is subject to approval by the Programme Director (2) BSc, BE, BEMP (LU) or equivalent qualification or experience in a field of relevance in water resource management
WATR403	Water Management, Policy and Planning	15	NO		P: (1) Entry is subject to approval by the Programme Director, (2) BSc, BE, BEMP(LU) or equivalent qualification or experience in a field of relevance in water resource management

And one course selected from:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL425	Freshwater Ecology	15	S1	Campus	P: Subject to approval of the Head of School R: BIOL472
ENGE414	Applied Hydrogeology	15	T2	Campus	P: (1) MATH101 or MATH102 or MATH103 and (2) approval from the Head of School R: ENGE478
ENVR414	Current Issues in Environmental Chemistry	15	S2	Campus	P: CHEM340 or ENCN281 or equivalent study
GEOG409	Coasts and Rivers: from Natural Processes to Urban Environments	30	S1	Campus	P: Entry subject to approval of the Head of School R: GEOG437
GEOG412	Alpine Environments	15	S2	Campus	P: Entry subject to approval of the Head of School R: GEOG408 and GEOG410

Sustainable Coasts

200-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL212	Marine Biology and Ecology	15	S1	Campus	P: BIOL112 and BIOL113
BIOL275	Field Ecology	15	S1	Campus	C: BIOL274 R: BIOL270
GEOG201	Environmental Processes: Principles and Applications	15	S1	Campus	P: Any 30 points of 100-level Geography, or entry with approval of the Head of School R: GEOG201 prior to 2009
GEOG215	Environmental Hazards and Disasters	15	S2	Campus	P: 30 points of Geography or Geology at 100-level; or 30 points from Science, Arts, Commerce, or Engineering R: GEOG305

300-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL384	Marine Ecosystems	15	S2	Campus	P: BIOL209 and either (1) BIOL270 or (2) BIOL274 and BIOL275. R: BIOL374 RP: BIOL212
GEOG311	Coastal Studies	15	S1	Campus	P: 30 points of 200-level Geography, including GEOG201, or in special cases with approval of the Head of School

And 15 points selected from:

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL309	Experimental Design and Data Analysis for Biologists	15	S2	Campus	P: BIOL209 or appropriate statistical background as determined by the Head of School
			S2	Distance Learning	
BIOL377	Global Change and Biosecurity	15	S1	Campus	P: BIOL209 and BIOL274
BIOL378	Population Ecology and Conservation	15	S1	Campus	P: BIOL209 and either (1) BIOL270 or (2) BIOL274 and BIOL275
GEOG323	Geospatial Analysis in the Social and Environmental Sciences	15	S1	Campus	P: 30 points of 200-level Geography, including GEOG205, or in special cases with approval of the Head of School

GEOG324	Web GIS and Geoinformatics	15	S2	Campus	P: 30 points of 200-level Geography, including GEOG205, or in special cases with approval of the Head of School RP: COSC121, or equivalent introductory programming course

400-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
BIOL428	Marine Biology and Ecology	15	S1	Campus	P: BIOL270 or BIOL250 R: BIOL473
GEOG409	Coasts and Rivers: from Natural Processes to Urban Environments	30	S1	Campus	P: Entry subject to approval of the Head of School R: GEOG437

Schedule E: Elective courses for the Degree of Bachelor of Environmental Science with Honours

Students must include a minimum 30 points from Schedule E: Group 1.

Group 1

Any Language courses (CHIN, CLAS, FREN, GRMN, JAPA, RUSS, SPAN, TREO) from Schedule V to the Bachelor of Arts degree.

100-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
CHCH101	Strengthening Communities through Social Innovation	15	S1	Campus	
			S1	Distance Learning	
COMS101	Media and Society	15	S1	Campus	
			S1	Distance Learning	
COMS104	Introduction to Strategic Communication	15	S2	Campus	
			S2	Distance Learning	
ECON104	Introduction to Microeconomics	15	S1	Campus	R: ECON199
			S2	Campus	
ECON105	Introduction to Macroeconomics	15	S1	Campus	
			S2	Campus	
FORE111	Trees, Forests and the Environment	15	S1	Campus	R: FORE101, FORE102, FORE103, FORE104, FORE105, FORE121
FORE131	Trees in the Landscape	15	S2	Campus	
GEOG110	People, Places and Environments	15	S1	Campus	R: GEOG107
			S1	Distance Learning	
HLTH110	Epidemiology	15	S2	Campus	
HLTH111	Global Health	15	S2	Campus	RP: HLTH101
MAOR108	Te Patu a Maui: The Treaty of Waitangi - facing and overcoming colonisation	15	SU2	Distance Learning	R: CULT114, MAOR113 (prior to 2006) EQ: CULT114
			S2	Distance Learning	
			S2	Campus	

MAOR172	Science, Māori and Indigenous Knowledge	15	S2	Campus	R: SCIM101 EQ: SCIM101
PHIL110	Science: Good, Bad, and Bogus	15	S2	Distance Learning	R: HAPS110
			S2	Campus	
PHIL138	Logic and Critical Thinking	15	SU1	Distance Learning	R: PHIL132 (prior to 2006), MATH130, PHIL134/ MATH134
			SU1	Campus	
POLS103	Introduction to New Zealand Politics and Policy	15	S1	Campus	
SPCO126	Land Journeys and Ethics	15	S2	Campus	R: TEPE112

200-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
ANTH213	Environment, Development and Sustainability: Anthropological Perspectives	15	S1	Campus	P: Any 15 points at 100-level from ANTH, GEOG, or SOCI, or 60 points at 100-level from Schedule V of the BA R: ANTH313
ANTH313	Environment, Development and Sustainability: Anthropological Perspectives	30	S1	Campus	P: Any 30 points at 200-level from ANTH, GEOG, or SOCI, or any 60 points at 200-level from Schedule V of the BA R: ANTH213
ECON225	Environmental Economics	15	S1	Campus	P: ECON104
GEOG217	Places for Wellbeing and Flourishing	15	S2	Campus	P: Any 30 points at 100-level from any subject, normally including GEOG110 or GEOG106.
GEOG222	Transport, Urban Development and Wellbeing	15	S1	Campus	P: 45 points of 100-level including GEOG110 or GEOG106
HLTH214	Environmental and Occupational Health	15	S2	Campus	P: Any 60 points at 100-level from any subject, or any 30 points at 100-level from HLTH or SPCO
MAOR212	Māori and Indigenous Development	15	S1	Campus	P: Any 15 points at 100-level from HIST, MAOR, SOWK, or TREO, or any 60 points at 100-level from Schedule V of the BA R: HIST262, HIST379 EQ: HIST262
MAOR219	Te Tiriti: The Treaty of Waitangi	15	S2	Campus	P: Any 15 points at 100-level from CULT, HIST, HSRV, MAOR, POLS, SOCI, SOWK, or TREO, or any 60 points at 100-level from Schedule V of the BA R: POLS218, POLS258, HIST268, SOCI209, HSRV207, CULT219 EQ: POLS218, POLS258, HIST268, SOCI209, HSRV207, CULT219
MGMT230	Business, Society and the Environment	15	S1	Campus	P: 60 points R: MKTG230 EQ: MKTG230
			S2	Campus	
PHIL203	Dinosaurs, Quarks and Quasars: The Philosophy of Science	15	NO		P: Any 15 points at 100-level in PHIL, or any 60 points at 100-level from Schedule V of the BA or the BSc R: PHIL223, PHIL303
PHIL240	Bioethics: Life, Death, and Medicine	15	S2	Campus	P: Any 15 points at 100-level in PHIL, HSRV, HLTH, LAWS, or POLS, or any 60 points at 100-level from Schedule V of the BA or the BSc R: PHIL324, POLS225
			S2	Distance Learning	

PHIL249	Environmental Ethics	15	SU1	Distance Learning	P: Any 15 points at 100-level in PHIL, or any 60 points at 100-level from Schedule V of the BA or the BSc RP: 15 points of 100-level Philosophy, or 30 points or more of humanities, social science, science, engineering, economics, or commerce studies and an interest in reflective critical debate
			SU1	Campus	
POLS216	City Politics and Urban Policy	15	S1	Campus	P: Any 15 points at 100-level from POLS, or any 60 points at 100-level from Schedule V of the BA, or LAWS, GEOG, or the Schedule V of the BCom
SOCI220	Environment and Society	15	S2	Campus	P: Any 15 points at 100-level from ANTH or SOCI, or any 60 points at 100-level from Schedule V of the BA R: SOCI230 (2005), SOCI320, SOCI330 (2005)

300-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
ACCT340	Social and Environmental Reporting	15	S2	Campus	P: Any 45 points at 200-level or above. R: ACIS340, AFIS340
GEOG325	Health, Wellbeing and Environment	15	S1	Campus	P: 30 points of 200-level Geography; or 30 points from Science, Arts or Health Sciences R: GEOG322
GEOG351	Rethinking Development	15	S2	Campus	P: 30 points of 200-level Geography, or approval of the Head of School R: GEOG212
LAWS327	International Environmental Law	15	NO		P: LAWS324 C: LAWS202-LAWS206 R: ILAP612
LAWS356	Nature, Resources and the Law	15	S2	Campus	P: LAWS205 C: LAWS202-204; LAWS206
LAWS364	Law of the Sea	15	S2	Campus	C: LAWS202-LAWS206 R: LAWS362 prior to 2010, ILAP630
MGMT335	Business and Sustainability	15	S1	Campus	P: MGMT230 or MKTG230
POLS304	Environmental Politics and Policy	30	S2	Campus	P: Any 30 points at 200-level from POLS, or any 60 points at 200-level from Schedule V of the BA, or LAWS, GEOG, or Schedule V of the BCom
SOCI355	Sociology of the City	30	S1	Campus	P: Any 30 points at 200-level from ANTH, CULT, or SOCI, or any 60 points at 200-level from Schedule V of the BA R: SOCI292, SOCI392,SOCI255, CULT210, CULT310 EQ: CULT310

400/600-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
FORE443	Biosecurity Risk Management	15	S2	Campus	R: BIOS201
FORE447	Environmental Forestry	30	S2	Campus	P: Subject to approval of the Chair, Forestry Board of Studies R: FORE444, FORE445, BIOL379
HLTH403	Environmental Health	30	S2	Distance Learning	
			S2	Campus	

POLS440	Principles and Practice of Policy and Governance	30	S1	Campus	P: Subject to approval of the Head of School
			S1	Distance Learning	
POLS443	Policy Issues in Science and Technology	30	NO		P: Subject to approval of the Head of School

Group 2

Any ANTA, BIOL, BCHM, CHEM, GEOG, GEOL, MATH, PSYC, STAT and WATR courses from Schedule V to the Bachelor of Science and Schedule S to the Bachelor of Science with Honours degrees.

100-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
ASTR109	The Cosmos: Birth and Evolution	15	S1	Campus	R: (1) PHYS109. (2) Students who have been credited with ASTR112 cannot subsequently be credited with ASTR109.
			S1	Distance Learning	
ASTR112	Astrophysics	15	S1	Campus	
COSC121	Introduction to Computer Programming	15	S1	Campus	R: COSC131
			S2	Campus	
PHYS101	Engineering Physics A: Mechanics, Waves, Electromagnetism and Thermal Physics	15	S1	Campus	P: (1) (a) PHYS111 or NCEA 14 credits (18 credits strongly recommended) at level 3 Physics, and (b) MATH101 or 14 Credits (18 credits strongly recommended) at level 3 Mathematics (including the standards 'Apply differentiation methods in solving problems (91578)' and 'Apply integration methods in solving problems(91579)), or (2) Cambridge: D at A level or an A at AS level in both Physics and Mathematics, or (3) IB: 4 at HL or 6 at SL in both Physics and Mathematics, or (4) approval of the Head of School based on alternative prior learning R: PHYS113, PHYS112 EQ: PHYS113
			S2	Campus	
PHYS102	Engineering Physics B: Modern Physics and Electromagnetism (2)	15	SU2	Campus	P: PHYS101. These prerequisites may be replaced by other background as approved by Head of School R: PHYS114, PHYS115 EQ: PHYS114
			S2	Campus	
			S2	Distance Learning	
PHYS111	Introductory Physics for Physical Sciences and Engineering	15	S1	Campus	R: Students who have been credited with any of PHYS101, PHYS102, PHYS113 or PHYS114 cannot subsequently be credited with PHYS111
			S2	Campus	

200-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
DATA201	Data Wrangling	15	S2	Campus	P: 15 points of 100-level COSC, DATA, MATH, or STAT or INFO125
SOIL203	Soil Fertility	15	S2	Campus	P: 30 points from CHEM, GEOL, BIOL, FORE or by approval of the Chair, Forestry Board of Studies R: SOIL201

400-level

Course Code	Course Title	Pts	2023	Location	P/C/R/RP/EQ
DATA416	Contemporary Issues in Data Science	15	S1	Campus	P: Subject to approval of the Head of School of Mathematics and Statistics
			S1	Distance Learning	
DATA417	The Trustworthy Data Scientist	15	S1	Campus	P: Subject to approval of the Head of School of Mathematics and Statistics
DATA422	Data Wrangling for Data Science	15	S2	Campus	P: Subject to approval of the Head of School of Mathematics and Statistics
			S2	Distance Learning	
DRRE401	Introduction to Disaster Risk and Resilience	15	X	Campus	P: Subject to approval of the Programme Director R: HAZM401
DRRE402	Natural Hazard Risk Assessment	15	T2	Campus	P: Subject to approval of the Programme Director R: HAZM410, ENCI601 RP: 100-level Statistics course
ENGE414	Applied Hydrogeology	15	T2	Campus	P: (1) MATH101 or MATH102 or MATH103 and (2) approval from the Head of School R: ENGE478