



include at least 56 points from a single subject or as required by the subject major;

- (c) if admitted into the Bachelor of Engineering (Honours) under BE(Hons) Regulation 4 Direct entry to the First Professional Year, complete the 172 points in (b) above. A student may be required to complete 100-level prerequisite courses from the Science Schedule, if their New Zealand Entrance qualification was not in appropriate subjects;
- (d) have met the requirements of a BE(Hons) to be eligible to graduate BSc under this cross credit regulation.

**7. Credit Transfer from BSc to BE(Hons) Degree**

A candidate who has qualified for the Degree of Bachelor of Engineering (Honours) and who is proceeding to the Degree of Bachelor of Science shall be enrolled for an approved course of study and shall satisfy the requirements of Regulation 6 hereof.

**8. Restriction and Prerequisite in Engineering Course**

Candidates for the Degree of Bachelor of Science under Regulations 4, 5 or 6 shall require permission of the Head of the Department of Mathematics and Statistics for enrolment in any Mathematics or Statistics course.

*Note: Some Mathematics and Statistics courses duplicate significantly material in Engineering Mathematics, and will be restricted. Other courses may have prerequisites partially or fully satisfied by credits in Engineering Mathematics.*

**9. Credit and Substitution between BSc and BE(Hons) Degree**

- (a) A candidate for the Degree of Bachelor of Science who is or has been enrolled for the Degree of Bachelor of Forestry Science shall, in order to qualify for the award of both degrees, meet all requirements as laid down in the Regulations of the Degree of Bachelor of Forestry Science and obtain 172 points above 100-level in courses selected from the Schedule to the Regulations for the Degree of Bachelor of Science which have not been credited to the Degree of Bachelor of Forestry Science but used to obtain exemption from a course in that degree.  
Of these points, 84 points must be from 300-

### 3. The Degree of Bachelor of Science 2006

These regulations took effect in 2006

- (a) To qualify for the degree of Bachelor of Science a candidate enrolled before 2006 must pass courses having a minimum total value of 350 points
- (b) Of the 350:
  - i. 262 points at least must be from the Schedule of courses for the Bachelor of Science.

- ii. 88 points (the balance of the 350) may be from courses from any degree in the University.
- (c) And of the 350:
  - i. 188 points at least must be for courses above 100-level and from the Schedule of Courses for the Bachelor of Science.
  - ii. 56 points at least must be at 300-level and from a single subject from the Schedule of Courses for the Bachelor of Science.

*Note: See General Course Regulation P. General Transition Regulations*

### Accountancy, Finance and Information Systems

C → e C de	C → e Title	P	07	P/C/R/RR/EQ
AFIS 323	e-Business Systems: Design, Management and Security	28	W	P: (1) AFIS 233 (2) 22 points from (AFIS 203, AFIS 213, AFIS 223, COSC 224, COSC 225, COSC 226, COSC 227, COSC 233). R: AFIS 523, COSC 332

### Antarctic Studies

C → e C de	C → e Title	P	07	P/C/R/RR/EQ
ANTA 101	Antarctic Studies	18	W	R: INCO 103, ANTA 102, ANTA 103, ANTA 112, ANTA 113
ANTA 102	Antarctic Studies: The Cold Continent	9	SJ2 S1	R: INCO 103, ANTA 101, ANTA 112
ANTA 103	Antarctic Studies: Life in the Cold	9	SJ2 S2	R: INCO 103, ANTA 101, ANTA 113
ANTA 201	Antarctica and Global Change	22	S2	P: ANTA 101 or ANTA 102 and ANTA 103 or ANTA 112 and ANTA 113, and 36 points from the BSc schedule.

### Astronomy

Students intending to advance in Astronomy are strongly advised to include in their first year courses ASTR 112, PHYS 113, PHYS 114, MATH 108 and MATH 109. It should be noted that PHYS 113 is offered in Semesters 1 and 2, and PHYS 114 is offered in Semester 2, and as a Summer Programme. In second year, PHYS 221-224, 226, 281, 282, and one of MATH 261 or 264 are strongly recommended. A major in Astronomy requires 22 points from MATH 251-264. A major in Astronomy requires 56 points consisting of ASTR 381, PHYS 310, and 28 points selected from ASTR 301-370. To graduate with a BSc in Astronomy a candidate must pass an approved academic writing test. In any Astronomy course that involves assessed laboratory or tutorial work, satisfactory attendance and performance in such work is required.

C → e C de	C → e Title	P	07	P/C/R/RR/EQ
ASTR 109	The Cosmos: Birth and Evolution	18	S2	R: PHYS 109, PHYS 110 EQ: PHYS 109
ASTR 112	Astrophysics	18	S1	
ASTR 211	Exploring the Sky	11	S2	P: 18 points from MATH 100-level, STAT 100-level, PHYS 100-106, PHYS111-116 or ASTR 112. These prerequisites may be replaced by a high level of achievement in NCEA Level 3 Physics and Mathematics with Calculus or other background as approved by the Head of Department.

Award Regulations

ASTR212				




Award Regulations



BIOL 371	Evolutionary Biology	28	S1	P: PAMS 205 or BIOL 271. In exceptional circumstances this prerequisite may be replaced by a high level of achievement in other courses as determined by the Head of School. R: PAMS 306
BIOL 373	Behavioural Ecology	28	S1	P: (1) Either BIOL 271 or BIOL 272 (2) BIOL 209 or equivalent preparation in statistics. For students enrolled before 2004, 44 points from 200-level FORE, PAMS, PSYC, ZOO, BIOL R: ZOO 307
BIOL 374	Marine Ecosystems	28	S2	P: BIOL 270 and BIOL 209. For students enrolled before 2004, 44 points from PAMS 204, BIOL 270, FORE 202, ZOO 202, BIOL 210, ZOO 204, ZOO 205, BIOL 211, ZOO 214, BIOL 212 R: BIOL 372, PAMS 311/ZOO 311 RP: BIOL 212
BIOL 375	Freshwater Ecosystems	28	S2	P: BIOL 270 and BIOL 209. For students enrolled before 2004, 44 points from PAMS 204, BIOL 270, FORE 202, ZOO 202, BIOL 210, ZOO 204, ZOO 205, BIOL 211, ZOO 214, BIOL 212 R: BIOL 372, PAMS 311/ZOO 311
BIOL 376	Conservation, Biology and Management	28	S2	P: FORE 202 or FORE 214 or GEOG 201 or BIOL 270 R: CONS 301, FORE 430

## Chemistry

To major in Chemistry, students must have at least:

- (a) a combined credit of 36 points from CHEM 111-121 and
- (b) a combined credit of at least 44 points from CHEM 221-263, BCHM 205 and BCHM 206 and


CHEM 224	Analytical and Environmental Chemistry	22		

Award Regulations










Award Regulations


COOSC 326	Database Management	14	S1	P. (1) 44 points of 200-level Computer Science including COOSC 226 or COOSC 205; (2) 36 points from Mathematics, Statistics or Engineering Mathematics. MATH 115 (required to graduate in Computer Science) and STAT 111/STAT 131/STAT 112 are strongly recommended. MATH 101 is not acceptable. RP: COOSC208, COOSC110
COOSC 323				

Award Regulations






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Award Regulations




LING 209	Māori and Indigenous Language Revitalisation	22	S2	P: Any 18 points in 100-level courses in Aotahi: School of Māori and Indigenous Studies or 36 points in 100-level courses in Arts, Education, Fine Arts, Music and Social Work, or by permission of the Head of the School. R: MAOR 220, TREQ 220 EQ: MAOR 220, TREQ 220
LING 302	Morphology	28	W	P: LING 201 or LING 211 or LING 206 or LING 207
LING 303	New Zealand English	28	W	P: LING 201 or LING 211 or LING 203 or LING 207
LING 304	Historical Linguistics	28	S2	P: LING 201 or LING 211 or LING 206 or LING 207
LING 306	Topics in Syntactic Theory	28	S2	P: LING 201 or LING 206 or LING 211 R: LING 301, LING 311
LING 307	Topics in Phonetics and Phonology	28	S1	P: LING 201 or LING 207 or LING 211 R: LING 301, LING 311

## Management Science

For courses in Management Science a pass in any prerequisite may be replaced by a level of attainment in the prerequisite, or its equivalent, acceptable to the Head of the Department of Management.

C → e C de	C → e Title	P	07	P/C/R/RRP/EQ
MSCI 101	Management Science	18	S2	R: MSCI 102, MSCI 112
MSCI 110	Quantitative Methods for Business	18	S1	R: STAT 111, STAT 112
MSCI 204	Planning Methods for Management	22	S1	P: 18 points of MATH, MSCI or STAT R: MSCI 215
MSCI 210	Statistical Methods for Management	11	S1	P: (1) STAT 111 or STAT 112 or STAT 131; (2) 9 points from MSCI or MGMT or MATH 104 or MATH 105 or MATH 106 or MATH 107 or MATH 108 or MATH 109 or MATH 116 or MATH 127 or MATH 171. At the discretion of the HOD, the statistics prerequisite may be replaced by a high level of achievement in Bursaries Mathematics with Statistics. R: MSCI 202
MSCI 216	Linear Programming Methods	11	S2	P: (1) MSCI 215 or MSCI 204; (2) MATH 104 or MATH 105 or MATH 106 or MATH 107 or MATH 108 or MATH 109 or MATH 116 or MATH 127 or MATH 171 R: MSCI 201
MSCI 220	Introduction to Operations Management	11	S1	P: MSCI 102 and MSCI 112 or these may be replaced by MSCI 101 R: MSCI 203 RP: MGMT 101
MSCI 221	Production Planning and Control	11	S2	P: (1) STAT 111 or STAT 112 or STAT 131; (2) MSCI 102; (3) MSCI 112. At the discretion of the HOD, the statistics prerequisite may be replaced by a high level of achievement in NCEA Level 3 or Bursaries Mathematics with Statistics. R: MSCI 203 RP: MSCI 220
MSCI 308	Cases in Management Science	14	NO	P: MSCI 210, MSCI 215 and MSCI 221 C: 28 points 300-level MSCI R: MSCI 218
MSCI 310	Probabilistic MS/OR Models	14	S1	P: (1) MSCI 210 or 22 points of 200-level courses in STAT; (2) MATH 104 or MATH 105 or MATH 106 or MATH 107 or MATH 108 or MATH 109 or MATH 116 or MATH 127 or MATH 171 R: MSCI 302

MSCI 311	Simulation	14	S2	P: (1) MSCI 210 or 22 points of 200-level courses in STAT; (2) one of (COSC 121, AFIS 123, AFIS 125, ENEL 206, ENGR 250, MATH 171, MATH 280) or any course involving an appropriate level of computer programming as approved by the HOD. R: MSCI 302
MSCI 312	Forecasting and Decision Analysis	14	S2	P: (1) MSCI 210 or 22 points of 200-level courses in STAT; (2) MATH 104 or MATH 105 or MATH 106 or MATH 107 or MATH 108 or MATH 109 or MATH 116 or MATH 127 or MATH 171 (At the discretion of the HOD (2) may be replaced by good performance in (1)). R: MSCI 202
MSCI 315	Advanced Linear Programming	14	S1	P: (1) MSCI 215 (2) MSCI 216, (3) any one of COSC 121, AFIS 123, ENEL 206, ENGR 250, MATH 171, MATH 280, or any course involving an appropriate level of computer programming, as approved by the Head of Department. R: MSCI 301 RP: MATH 252 or MATH 254.
MSCI 316	Nonlinear Programming and Heuristics	14	S2	P: MSCI 215 MSCI 216 R: MSCI 301 RP: MSCI 315 and MATH 252 or MATH 254.
MSCI 320	Managing Operations	14	S2	P: (1) MSCI 220, (2) 22 points 200-level from MSCI, MGMT, or AFIS R: MSCI 304 RP: MSCI 221
MSCI 321	Materials Management	14	S1	P: MSCI 220, MSCI 221 R: MSCI 303
MSCI 323	Quality Management	14	S2	P: (1) MSCI 220 and MSCI 221 (2) 22 points at 200-level from MSCI, MGMT, AFIS R: MSCI 304
MSCI 324	Project Management	28	S1	P: (1) MSCI 220, MSCI 221 and 22 points from Commerce; or (2) 88 points at 200-level from Commerce or Engineering R: MSCI 304, MSCI 322, AFIS 313

## Mathematics

The 100-level core Mathematics (Calculus and Linear Algebra) courses are MATH 108 and 109. MATH 108 is offered as a Semester 1 course, a Semester 2 course, and a Whole-year course. MATH 109 is available as a Semester 1 course, Semester 2 course, and a Summer Course.

To obtain 36 points at 100-level in core Mathematics, students can take any occurrence of MATH 108 and any two of MATH 109, ENGR 250, ENGR 251, ENGR 252, ENGR 253, ENGR 254, ENGR 255, ENGR 256, ENGR 257, ENGR 258, ENGR 259, ENGR 260, ENGR 261, ENGR 262, ENGR 263, ENGR 264, ENGR 265, ENGR 266, ENGR 267, ENGR 268, ENGR 269, ENGR 270, ENGR 271, ENGR 272, ENGR 273, ENGR 274, ENGR 275, ENGR 276, ENGR 277, ENGR 278, ENGR 279, ENGR 280, ENGR 281, ENGR 282, ENGR 283, ENGR 284, ENGR 285, ENGR 286, ENGR 287, ENGR 288, ENGR 289, ENGR 290, ENGR 291, ENGR 292, ENGR 293, ENGR 294, ENGR 295, ENGR 296, ENGR 297, ENGR 298, ENGR 299, ENGR 300, ENGR 301, ENGR 302, ENGR 303, ENGR 304, ENGR 305, ENGR 306, ENGR 307, ENGR 308, ENGR 309, ENGR 310, ENGR 311, ENGR 312, ENGR 313, ENGR 314, ENGR 315, ENGR 316, ENGR 317, ENGR 318, ENGR 319, ENGR 320, ENGR 321, ENGR 322, ENGR 323, ENGR 324, ENGR 325, ENGR 326, ENGR 327, ENGR 328, ENGR 329, ENGR 330, ENGR 331, ENGR 332, ENGR 333, ENGR 334, ENGR 335, ENGR 336, ENGR 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837, ENGR 838, ENGR 839, ENGR 840, ENGR 841, ENGR 842, ENGR 843, ENGR 844, ENGR 845, ENGR 846, ENGR 847, ENGR 848, ENGR 849, ENGR 850, ENGR 851, ENGR 852, ENGR 853, ENGR 854, ENGR 855, ENGR 856, ENGR 857, ENGR 858, ENGR 859, ENGR 860, ENGR 861, ENGR 862, ENGR 863, ENGR 864, ENGR 865, ENGR 866, ENGR 867, ENGR 868, ENGR 869, ENGR 870, ENGR 871, ENGR 872, ENGR 873, ENGR 874, ENGR 875, ENGR 876, ENGR 877, ENGR 878, ENGR 879, ENGR 880, ENGR 881, ENGR 882, ENGR 883, ENGR 884, ENGR 885, ENGR 886, ENGR 887, ENGR 888, ENGR 889, ENGR 890, ENGR 891, ENGR 892, ENGR 893, ENGR 894, ENGR 895, ENGR 896, ENGR 897, ENGR 898, ENGR 899, ENGR 900, ENGR 901, ENGR 902, ENGR 903, ENGR 904, ENGR 905, ENGR 906, ENGR 907, ENGR 908, ENGR 909, ENGR 910, ENGR 911, ENGR 912, ENGR 913, ENGR 914, ENGR 915, ENGR 916, ENGR 917, ENGR 918, ENGR 919, ENGR 920, ENGR 921, ENGR 922, ENGR 923, ENGR 924, ENGR 925, ENGR 926, ENGR 927, ENGR 928, ENGR 929, ENGR 930, ENGR 931, ENGR 932, ENGR 933, ENGR 934, ENGR 935, ENGR 936, ENGR 937, ENGR 938, ENGR 939, ENGR 940, ENGR 941, ENGR 942, ENGR 943, ENGR 944, ENGR 945, ENGR 946, ENGR 947, ENGR 948, ENGR 949, ENGR 950, ENGR 951, ENGR 952, ENGR 953, ENGR 954, ENGR 955, ENGR 956, ENGR 957, ENGR 958, ENGR 959, ENGR 960, ENGR 961, ENGR 962, ENGR 963, ENGR 964, ENGR 965, ENGR 966, ENGR 967, ENGR 968, ENGR 969, ENGR 970, ENGR 971, ENGR 972, ENGR 973, ENGR 974, ENGR 975, ENGR 976, ENGR 977, ENGR 978, ENGR 979, ENGR 980, ENGR 981, ENGR 982, ENGR 983, ENGR 984, ENGR 985, ENGR 986, ENGR 987, ENGR 988, ENGR 989, ENGR 990, ENGR 991, ENGR 992, ENGR 993, ENGR 994, ENGR 995, ENGR 996, ENGR 997, ENGR 998, ENGR 999, ENGR 1000.

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MATH 346	Computational Approximation	14	NO	P: 11points from MATH 251, MATH 254, MATH 266, EMTH 203or EMTH 204 RP: MATH 271or MATH 280or MATH 281or MATH 282
MATH 352	Applied Matrix Algebra A	14	S1	P: Either MATH 251or MATH 252or MATH 254or EMTH 203or EMTH 204 R: MATH 317 RP: MATH 280or MATH 281or MATH 282or MATH 271
MATH 353	Applied Matrix Algebra B	14	S2	P: Either MATH 252or MATH 254or EMTH 203or EMTH 204

Award Regulations






PHIL 309	Logic B	28	NO	P. Any 22 points at 200-level in Philosophy or


Award Regulations

PHYS 221	Waves, Optics and Circuits	11	S1	P: (1) PHYS 113 (2) PHYS 114; (3) MATH 108. These prerequisites may be replaced by a high level of achievement in Level 3 NCEA Physics and Mathematics with Calculus or other background as approved by the Head of Department. RP: MATH 109
PHYS 222	Quantum Physics	11	S2	P: (1) PHYS 113 (2) PHYS 114; (3) MATH 108. These prerequisites may be replaced by a high level of achievement in Level 3 NCEA Physics and Mathematics with Calculus or other background as approved by the Head of Department. RP: MATH 109
PHYS 223	Newtonian and Relativistic Mechanics	11	S1	P: (1) PHYS 113 (2) PHYS 114; (3) MATH 108. These prerequisites may be replaced by a high level of achievement in Level 3 NCEA Physics and Mathematics with Calculus or other background as approved by the Head of Department. RP: MATH 109
PHYS 224	Electricity and Magnetism	11	S2	P: (1) PHYS 113 (2) PHYS 114; (3) MATH 108. These prerequisites may be replaced by a high level of achievement in Level 3 NCEA Physics and Mathematics with Calculus or other background as approved by the Head of Department. RP: MATH 109
PHYS 225	Analogue Electronics	11	S1	P: (1) PHYS 113 and PHYS 114; and (2) MATH 108. These prerequisites may be replaced by a high level of achievement in NCEA Level 3 Physics and Mathematics with Calculus or another equivalent background, as approved by the Head of Department of Physics and Astronomy. R: ELEC 225 RP: MATH 109 and COSC 122 EO: ELEC 225
PHYS 226	Digital Electronics	11	S2	P: (1) Either PHYS 113 and PHYS 114, or COSC 122 and (2) 18 points from MATH 100. These prerequisites may be replaced by a high level of achievement in NCEA Level 3 Physics and Mathematics with Calculus or other background as approved by the Head of Department. R: ELEC 226 RP: MATH 109 and COSC 122 EO: ELEC 226
PHYS 281	Laboratory Techniques	11	S1	P: (1) PHYS 113 (2) PHYS 114; (3) 18 points from MATH 100. These prerequisites may be replaced by a high level of achievement in NCEA Physics and Mathematics with Calculus or other background as approved by the Head of Department. RP: MATH 109.
PHYS 282	Experimental Physics	11	S2	P: PHYS 281
PHYS 30D	Thermal Statistical and Particle Physics	14	S1	P: (1) 22 points from PHYS 221-224; (2) MATH 109 or MATH 127
PHYS 311	Quantum Mechanics	14	S1	P: (1) 22 points from PHYS 221-224; (2) MATH 109 or MATH 127
PHYS 312	Applied Electromagnetism	14	S2	P: (1) 22 points from PHYS 221-224; (2) MATH 109 or MATH 127 R: ELEC 312 EO: ELEC 312
PHYS 314	Condensed Matter Physics	14	S2	P: (1) 22 points from PHYS 221-224; (2) MATH 109 or MATH 127

PHYS 316	Geophysical Fluid Dynamics	14	S2	P: (1) 22 points from PHYS 221-224; (2) MATH 109 or MATH 127
PHYS 318	Computational Physics	14	S1	P: (1) 22 points from PHYS 221-224; (2) MATH 109 or MATH 127
PHYS 321	Techniques in Observational Astronomy	14	NO	P: (1) 22 points from PHYS 221-224, ASTR 211, ASTR 212, (2) MATH 109 or MATH 127 R: ASTR 321 EQ: ASTR 321
PHYS 322	Theoretical and Observational Cosmology	14	S2	P: (1) 33 Pts from PHYS 221-224, PHYS 310; (2) MATH 109. R: ASTR 322 EQ: ASTR 322
PHYS 323	Stellar Structure and Evolution	14	S1	P: (1) 22 points from PHYS 221-224, ASTR 211, ASTR 212, (2) MATH 109 or MATH 127 R: ASTR 323 EQ: ASTR 323
PHYS 326	Classical Mechanics and Symmetry Principles	14	S1	P: PHYS 223 and MATH 261 or MATH 264
PHYS 327	Special Topic	14	S1	P: (1) HOD approval; (2) MATH 109 or MATH 127
PHYS 328	Special Topic	14	S2	P: (1) HOD approval; (2) MATH 109 or MATH 127
PHYS 329	Special Topic	14	S1	
PHYS 381	Advanced Experimental Physics and Astronomy	14	SJ2 S1 S2	P: (1) (PHYS 281 and PHYS 282 or PHYS 283) and 22 points from PHYS 221-226; (2) MATH 109 R: ASTR 381, ASTR 382, ASTR 383, PHYS 382, PHYS 383 EQ: ASTR 381
PHYS 391	Introductory Physics Research	14	SJ2 S1 S2	P: (1) MATH 109 or MATH 127. Entry subject to a supervisor approved by the Head of Department, being available; (2) 44 points from PHYS 200. R: PHYS 392, PHYS 393

## Ph I g

Students intending to major in Psychology must include:

- (a) PSYC 105 and PSYC 106, or PSYC 104 (prior to 2005);
- (b) PSYC 206; and
- (c) one from PSYC 207-211; and
- (d) one from PSYC 331-335, 343; and
- (e) one further PSYC 300-level course; and
- (f) one further PSYC 200- or PSYC 300-level course.






STAT 391	Special Topic: Bayesian Statistics	14	S2	P: (1) 11 points from STAT 212, 214 and a further 11pts from STAT 210-299, (2) MATH 109 or MATH 199 RP: STAT 218
STAT 392	Special Topic	14	S2	

## The Degree of Bachelor of Speech and Language Therapy (BSLT)

See also the General Course and Examination Regulations

### 1. Admission of Candidates

Every candidate for the Degree of Bachelor of Speech and Language Therapy shall have been approved as a candidate by the Dean of Science.

### 2. Structure of the Degree

To qualify for the Degree, a candidate must follow a course of study as laid down in the Schedule to these



PSYC 106	Introductory Psychology - Social, Personality and Developmental	18	S2	R PSYC 103 PSYC 104
SCIM 101	Science, Maori and Indigenous Knowledge	18	S2	

*Note: Students who have completed the Intermediate Year without taking CMDS 111 and CMDS 112 and have*






CVDS 461	Advanced Topics in Speech and Language Disorders	17	S1	
CVDS 462	Special Topic	18	S2	
CVDS 465	Dysphagia and Related Disorders: Management	17	S1	P. CVDS 365
CVDS 482	Clinical Practice 5	17	SJ2 S1	P. CVDS 381 and CVDS 382
CVDS 484	Clinical Practice 6	17	SJ2 S2	P. CVDS 381 and CVDS 382
CVDS 490	Research Project	17	W	P. Subject to approval of the Head of Department.

## Award: Certificate in Science (CertSci)

See also General Course and Examination Regulations

### The Programme for this Award

#### 1. The Subject of the Programme

- (a) Subjects: The Certificate in Science may be awarded for courses passed in the following subjects:

- Astronomy
- Biochemistry
- Biological Sciences
- Chemistry
- Computer Science
- Economics
- Electronics
- Geography
- Geology
- Linguistics
- Management Science
- Mathematics
- Philosophy
- Physics
- Psychology
- Statistics

*Note: The courses for the subjects and their prerequisites are given in the Schedule of Courses for the Degree of Bachelor of Science.*

- (b) Structure: To qualify for the Certificate in Science a candidate must pass courses totalling at least 72 points at the 100- and/or 200-level, in courses listed in the Schedule to the Bachelor of Science.

#### 2. Full-time and Part-time Study and the Normal Time Limit

The Certificate may be studied full-time or part-time. Other than in exceptional circumstances approved by the Dean of Science, the maximum elapsed time from first enrolment will be three years.

### Admission to the Programme

The Certificate in Science is an introductory qualification in Science for candidates wishing to: test their scholastic ability at university prior to proceeding to a Bachelor's degree programme;

such courses comply with the Regulations for the degree.

- (b) A candidate who has not been awarded the Certificate may apply to transfer courses passed while enrolled for the Certificate to a Bachelor of Science degree.

## Graduate Certificate in Antarctic Studies (GradCert ANAS)

See also *General Course and Examination Regulations*

### 1. Admission Requirements

Every candidate for the Graduate Certificate in Antarctic Studies shall have:

- (a) i. qualified for the award of any appropriate degree in New Zealand; or  
ii. be admitted ad eundem statum with graduate status in the University of Canterbury; and
- (b) been approved as a candidate for the Graduate Certificate by the Dean of Postgraduate Studies and
- (c) satisfied the medical examination as prescribed by Antarctica New Zealand.

*Note: Admission to the Graduate Certificate is subject to Admission Regulations E Limitation of Entry Regulations*

Application for admission to the Graduate Certificate programme must be made by 1 August in the year of enrolment in the course.

## Graduate Diploma in Science (GradDi Sc)

See also the *General Course and Examination Regulations*

### 1. Subjects in Which the Diploma May be Awarded

The subjects for the Graduate Diploma in Science are: Astronomy, Biochemistry, Biological Sciences, Chemistry, Computer Science, Economics, Electronics, Geography, Geology, Linguistics, Management Science, Mathematics, Philosophy, Physics, Psychology, and Statistics.

### 2. Qualification Requirements in the Diploma

- (a) Every candidate for the Diploma in Science shall, before enrolling for the diploma, fulfil one of the following conditions:

### 2. Course of Study

A candidate shall satisfactorily complete the prescribed course of study in one year, comprising ANTA 501 Antarctica: Contemporary Issues and Perspectives Part 1; ANTA 502 Antarctica: Contemporary Issues and Perspectives Part 2; ANTA 503 Antarctic Field Work; ANTA 504 Supervised Project in Antarctic Studies. Participation in the Scott Base component of ANTA 503 is subject to a medical examination as prescribed by Antarctica New Zealand.

### 3. Award of the Diploma

The Graduate Certificate in Antarctic Studies may be awarded with distinction.

- i. either qualify for a Bachelors degree;
  - ii. or be admitted ad eundem statum as entitled to enrol for the Diploma in Science.
- (b) Every candidate for the diploma shall have been approved as a candidate by the Dean of Science.

### 3. Study of the Diploma

To qualify for the diploma a candidate shall pass prescribed courses which shall have been selected from the Schedule to the Bachelor of Science degree or from courses which the Academic Board has accepted as equivalent thereto. These courses must have a total value of not fewer than 146 points including not fewer than 84 points at 300-level.

**4. Award of Diploma in Science with Distinction**

The Diploma in Science may be awarded with distinction.

**5. Exemption from Prerequisite**

Normal prerequisites for any course may be exempted at the discretion of the Head of Department/School where the course is offered.

**6. Part-time Entry**

The diploma may be studied part-time.

**7. Re-entrance**

A candidate who has failed one or more courses is allowed to repeat those courses for credit.

**The Degree of Bachelor of Science With Honours (BSc(Hons))**

See also General Course and Examination Regulations.

**1. BSc(Hons) Programme for Study**

The BSc(Hons) at Canterbury, if studied full-time, is an accelerated one-year (12 months) degree course for the very able. It is taken following the completion of a three-year Bachelor's degree with very good grades. Those who complete the BSc(Hons) with high grades are normally eligible to proceed directly to a PhD.

Students who have been granted direct entry to 200-level undergraduate courses on the basis of high achievement in university entrance assessments may complete a BSc(Hons) after a total of three years study: two years undergraduate (Pre-BSc(Hons)) and the one-year (12 months) Honours. Also see Regulation 3(1) (c) below.

**2. Subjects in which the Degree may be Awarded**

The degree of BSc(Hons) may be awarded in the following subjects: Astronomy, Biochemistry, Biotechnology, Cellular and Molecular Biology, Atmospheric and Planetary Science, Earth and Planetary Science, Environmental Science, Geology, Health, Life Sciences, Molecular Biology, Physics, Psychology, and Sociology.

Award Regulations

#### 4. C r e f e r e n c e s

A candidate shall be assessed on the basis of such written examination, oral examinations, research project, and other work as prescribed for the subject offered. Candidates shall not concurrently enrol in additional undergraduate courses except with the permission of the Head of Department/School and Dean of Science. The programme of study shall satisfy the following conditions.

(a) Approval of programme of study

- i. Every programme of study for the degree shall contain the 400-level requirements specified by the Department in the Schedule to the Regulations for the Bachelor of Science with Honours. The programme of study must have a minimum of 144 points (12 EFTS), which includes a research project of at least 30 points. With the approval of the Head of Department/School, a candidate may replace courses up to 60 points with 400-level honours courses prescribed for other subjects.
- ii. In special cases a personal programme of study may be approved which does not conform to the course of study requirements. Applications for a special course of study shall be submitted in writing at least 12 months before the commencement of the programme.

## 10.5 Objectives and their Prerequisites for the Degree

The subjects for the degree and their prerequisites are given in the Schedule to these Regulations.

### Statistics and Research Methods

ASTR 424, ASTR 480 and five other courses. At least one must be chosen from ASTR 421-423, 425-426, the others from PHYS 400-level lecture courses, but no more than two courses from PHYS 441-460. Not all courses may be offered in any one year. With the approval of the Head of Department, one or two courses may be replaced by appropriate courses from another subject.

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- (1) 84 points of 300-level ASTR or PHYS courses; and
- (2) 28 points of 300-level MATH courses.

*Note: The choice of courses is subject to the approval of the Head of Department.*

### Biochemistry

Four courses and a project (BCHM 480) as approved by the Course Co-ordinator. Normally at least 3 courses selected from BCHM 401 (BIOL 436), BCHM 402 (CHEM 465), BCHM 403 (BIOL 435), BCHM 405 (BIOL 434), BCHM 406 (BIOL 430); the balance is to be selected from BCHM 407-409, BIOL 431-432, BIOL 437, BIOL 450-451, BIOL 491, CHEM 462, CHEM 467.

- P. (1) BCHM 201 and  
 (2) BCHM 202 or BIOL 230 (PAMS/ZOOL 203); and  
 (3) BCHM 205 or CHEM 204 or 222 or 254 or 262 and  
 (4) BCHM 301 (BIOL 331 or PAMS 308); and  
 (5) BCHM 302 (CHEM 325); and  
 (6) BCHM 381 and  
 (7) 14 additional points normally from CHEM 322, 324, 362 or 381 or BIOL 313 (PAMS 303), BIOL 352 (PAMS 310), BIOL 330 (PAMS/ZOOL 309), BIOL 350 (ZOOL 301) or BIOL 351 (ZOOL 306).

### Bioelectrical

Four courses and a research project (BIOT 480). The four courses are BIOL 491, plus three others selected from BIOL 401-402, BIOL 404-409, BIOL 430-431, BIOL 434-435, BIOL 453, BIOL 492-493. With the approval of the Head of the School of Biological Sciences, one course may be chosen from other 400-level BIOL or BCHM courses.

*Note: Not all courses will be offered in any one year.*

- P. (1) BIOL 252 and  
 (2) BIOL 352 and  
 (3) one course selected from BIOL 313, BIOL 330, BIOL 331.

*Note: Students will normally be expected to take BIOL 309 (BIOL 301).*

### Cellular and Molecular Biology

Four courses and a project (CEMB 473). A minimum of three courses are to be selected from BIOL 430-432, BIOL 434, BIOL 437, or BIOL 491. An additional course may be chosen with the approval of the Course Co-ordinator, School of Biological Sciences, from CHEM 461-471 and/or BIOL 435 (BCHM 403), 453, 474, 477, 478, 481 or 493 and/or BIOL 433 (BCHM 404), BIOL 450-452, BIOL 470-473, BIOL 474-475 or BIOL 490.

*Note: In all Cellular and Molecular Biology courses (CEMB), a satisfactory performance is required in both the year's work and the written papers.*

- P. (1) BIOL 230; and  
 (2) BCHM 201 and  
 (3) 22 additional points from BIOL 200-level; and  
 (4) three courses from BCHM 301, BIOL 313, BIOL 352, BIOL 351, BIOL 330.

*Note: Students will normally be expected to take BIOL 309 (BIOL 301).*

### Chemistry

CHEM 480 and four courses chosen from CHEM 461-474, including at least two from CHEM 461-463. *Note: With the approval of the Head of Department, one of the courses CHEM 461-474 may be replaced by an Honours 400-level course from another subject.*

- P. (1) At least 66 points from CHEM 221-223, 233, 243 and 261-273 and  
 (2) CHEM 281 and 282; and  
 (3) at least 36 points from courses in Mathematics, Statistics or ENGR 102; and  
 (4) CHEM 361, 362, 363, 381 and 382.

*Note: With the approval of the Head of Department,*

**C m . . . . . nal and A . . . . . lied M a t h e m a t i c s**

CAMS 449 Research Project, and eight other approved courses chosen from MATH 401-490 (other than MATH 449), MSCI 451-462 or STAT 401-490 (other than STAT 449). With the approval of the Programme Co-ordinator, candidates may substitute one or two courses from other subjects in an applications area.

P. (1) 44 points from MATH 251, 252, 254, 261, 262, 264 (Noting P h P r o 1, 262

- P. Students who have fulfilled the requirements for Honours 200 and 300-level in appropriate courses in Forestry, Geography, Geological Sciences, Biological Science, or other science and engineering courses, including a total of 84 points at 300-level, and as approved by the Coordinator, may enrol for Environmental Science Honours 400-level.

### Geography

A Research Project (GEOG 420) and four semester courses chosen from GEOG 401-419, with the approval of the Head of Department. Not all courses will necessarily be offered in any one year.

- P. Students will normally be expected to:
- (1) either have passed 84 points in 300-level courses approved by the Head of Department, including GEOG 309 and at least 28 other points in 300-level Geography courses; or
  - (2) to have completed 112 points at 300-level of which 56 are in Geography and 56 are in subjects approved by the Head of Department.

### Geology

Seven courses chosen from GEOL 471-489 and a research project (GEOL 490), with the approval of the Head of the Department of Geological Sciences.

#### Notes:

- 1 *With the approval of the Head of the Department of Geological Sciences, up to three courses from ENGE 476-482 (Engineering Geology) may replace up to three of the optional courses, or one full year course from another subject may replace two of the optional courses.*
  - 2 *Practical and Fieldwork may be required as part of any GEOL 471-489 courses.*
  - 3 *Not all courses may be offered in any one year.*
- P. (1) GEOL 230 and GEOL 231 (or equivalent fieldwork); and
- (2) at least 44 points from GEOL 221-226, 232-238 and
- (3) normally at least 54 points from ASTR, BIOL, CHEM, COSC, GEOG, MATH, PHYS, or STAT courses; and
- (4) GEOL 351 and GEOL 352 (or equivalent fieldwork); and
- (5) 56 points from other GEOL 300-level courses.

*Note: An additional 28 points at GEOL 300-level is strongly advisable.*

### Hazard and Disaster Management

HAZM 401, HAZM 403, ENCI 601, ENCI 462 (or equivalent), a research project (HAZM 490) and two courses chosen to complete a coherent programme in the area of hazard and disaster management with the approval of the Programme Director, Department of Geological Sciences.

P.

208, 209, and

(4) 28 points from PHIL 301-399, MATH 308, 309.

**Mathematical Ph ic**

MAPH 480 (Research Project) and six courses from PHYS 401-450 and MATH 401-490 (other than MATH 449).

Normally, at least three courses must be chosen from the PHYS course list and at least two from the MATH course list. The choice of courses is subject to the approval of the Course Co-ordinator.

- P. (1) PHYS 221-224, 281, 282, and
- (2) 44 points from MATH 251-269, and
- (3) 112 points PHYS 300-level and MATH 300-level courses chosen with the approval of the Course Co-ordinator

*Note: Students will normally be expected to take: PHYS 310; at least 42 points from PHYS 311, 312, 314, 316, 318, 322, 326; 56 points from MATH 342, 343, 352, 353, 361, 362, 363, 371*

**Medical Ph ic**

MDPH 480 and six courses from MDPH 401-410. With the approval of the Head of the Department of Physics and Astronomy, one or two of the courses may be replaced by appropriate courses from another subject (for example, Physics).

P. 84 points at 300-level, approved by the Head of Department.

**Mic bi l g**

Four courses and a project (MBIO 480).

A minimum of three courses from BIOL 434-493 the fourth course may be chosen, with the approval of the Head of the School of Biological Sciences, from BIOL 401-409, 421, 453, 474, 477, 478. A written report on a research project (MBIO 480) must be completed and presented by the due date in the year in which the student presents the courses selected. The Head of the School of Biological Sciences will normally require a candidate to achieve a satisfactory standard in BIOL 309 (BIOL 301), in addition to the four courses selected, if the student has not already passed the course at an earlier stage.







*Part I*

ANTA 401 Antarctic Global Connections, compulsory  
(0.3750 EFTS)

ANTA 402 Antarctic Legal System, compulsory  
(0.1250 EFTS)

Other 400-level courses relevant to a coherent



**Year 2**

**First Semester**

- CMDS 638 Medical Audiology CW.041
- CMDS 660 Clinical Practice 3 CW.041
- CMDS 642 Auditory Processing Disorder CW.041

**Second Semester**

- Co-req Language Disorders in Children (CMDS 222 in BSLT\*) CW.080\*
- CMDS 639 Vestibular Disorders CW.041
- CMDS 670 Clinical Practice 4 CW.041

**Summer**

- CMDS 680 Clinical Practice 5 CW.041
- Year 2 Total CW BSLT Backlog and (including the fee) 1.00
- Year 2 Total CW non-BSLT Backlog and (including the fee) 1.04

\*Course offered as part of BSLT degree. Students enrolled in the MAud programme without having a BSLT are required to take these courses

## The Degree of Master of Health Science (MHealSc)

See also General Course and Examination Regulations

### 1. Award of the Degree With or Without an Endorsed Option; Award of the Degree with Honours

(a) The Degree of Master of Health Sciences may be awarded with or without an endorsed option. The endorsed options are in the following areas of specialisation:

- i. Environment and Health
- ii. Early Intervention
- iii. Health Behaviour Change
- iv. Health Information Management

The programme of study for an endorsed option must conform to the requirements for that option as specified in the Schedule to these regulations.

Courses that may be included in a programme of study for the Degree of Master of Health Sciences without an endorsed option are those listed in the Schedule to these Regulations.

(b) The Degree of Master of Health Sciences may be awarded with Honours. There shall be two classes of Honours: First Class Honours and Second Class Honours. Second Class Honours shall be awarded in two divisions: Division 1 and Division 2

### 2. Qualification Requirements in the Degree

Every candidate for the Degree of Master of Health

#### 4. F ~~ull-time/Part-time~~ ~~Enrollment~~ ~~Enrollment~~

A candidate may be enrolled for the Degree of Master of Health Sciences either on a full-time or part-time basis. A part-time

candidate

HLTH 405	Special Topic: Independent Study	0.25	W S1 S2	P. Subject to approval of the Director, Health Sciences Centre R: HLTH 605 EQ: HLTH 605
HLTH 406	Special Topic	0.25	S2	P. Subject to approval of Director, Health Sciences Centre R: HLTH 606 EQ: HLTH 606
HLTH 407	Special Topic	0.25	W S1 S2	P. Subject to approval of the Director, Health Sciences Centre R: HLTH 607 EQ: HLTH 607
HLTH 408	Special Topic	0.125	W S1 S2	P. Entry with approval of the Head of Department. R: HLTH 608 EQ: HLTH 608
HLTH 409	Special Topic: Health and Pacific Cultures	0.25	S2	P. Entry with approval of the Head of Department. R: HLTH 609 EQ: HLTH 609
HLTH 410	Pacific Health Leadership	0.25	W	P. Subject to approval of the Head of Department.
HLTH 420	Early Intervention Theory	0.25	W	P. Entry with approval of the Head of Department. R: HLTH 620 EQ: HLTH 620
HLTH 421	Early Intervention Practice	0.25	W S1 S2	P. Entry with approval of the Head of Department, HLTH 420 or HLTH 620 R: HLTH 621 EQ: HLTH 621
HLTH 422	Early Intervention Advanced Practice	0.25	W S1 S2	P. Entry with approval of the Head of Department, HLTH 421 or HLTH 621 R: HLTH 622 EQ: HLTH 622
HLTH 430	Motivating Behaviour Change I	0.25	S1	P. Entry with approval of the Head of Department. R: HLTH 630 EQ: HLTH 630
HLTH 431	Motivating Behaviour Change II	0.25	S2	P. Entry with approval of the Head of Department, HLTH 430 or HLTH 630 R: HLTH 631 EQ: HLTH 631
HLTH 440	Family Nursing Assessment	0.25	S1	P. Entry with approval of the Head of Department.
HLTH 441	Family Nursing in Complex Situations	0.25	S2	P. HLTH 440. Entry with approval of the Head of Department.
HLTH 690	MHeaNu omplex			

# Environment and Health

Endorsed Option	Parental Requirement
Environment and Health	HLTH 401 PUBH 703 or GEOG 401 and approved courses to at least 10 EFTS, plus HLTH 690 or HLTH 691 or HLTH 401 PUBH 703 or GEOG 401 and other approved courses to at least 15 EFTS, plus HLTH 695
Early Intervention	HLTH 401 HLTH 420, HLTH 421 and other approved courses (which may include HLTH 422/622) to at least 10 EFTS, plus HLTH 690 or HLTH 691 or HLTH 401 HLTH 420, HLTH 421 and other approved courses (which may include HLTH 422/622) to at least 15 EFTS, plus HLTH 695
Health Behaviour Change	HLTH 401 HLTH 430, HLTH 431 and one or more other approved courses to at least 10 EFTS, plus HLTH 690 or HLTH 691 or HLTH 401 HLTH 430, HLTH 431 and other approved courses to at least 15 EFTS, plus HLTH 695
Health Information Management	HLTH 401 HLTH 402 PUBH 706 or GEOG 401 and one or more approved courses to at least 10 EFTS, plus HLTH 690 or HLTH 691 or HLTH 401 HLTH 402 PUBH 706 or GEOG 401 and other approved courses to at least 15 EFTS, plus HLTH 695

**Notes**

- PUBH 703 Health and Environmental and PUBH 706 Health Systems are offered through the University of Otago's Christchurch School of Medicine and Health Sciences.*
- HLTH 690, 691 and 695 must address an approved topic relevant to the endorsed option to be approved before enrolment.*

## The Degree of Master of Science (MSc)

See also General Course and Examination Regulations

### 1. Subjects in Which the Degree May be Awarded; A List of Degree and Merit Honours

- The subjects for the Degree of Master of Science are those listed in Schedule 1 to these Regulations.
- The Degree of Master of Science may be awarded with Distinction or Merit provided that the additional requirements of Regulation 14 are met.
- The Degree of Master of Science may be awarded with Honours provided that the additional requirements of Regulation 15 are met.

### 2. Qualification Requirements in the Degree

- Every candidate for the Degree of Master of Science shall, before enrolling for the degree, fulfil one of the following conditions: either
  - qualify for the award of the ordinary Degree of Bachelor of Science; or
  - qualify for a Bachelors degree and if necessary pass a qualifying programme

- consisting of such courses from the schedule to the regulations for the Degree of Bachelor of Science as may be required by the Dean of Postgraduate Studies; or
- qualify for the award of the Degree of Bachelor of Science with Honours; or
- qualify for the award of a Postgraduate Diploma in Science (Note: Candidates who qualify for a Canterbury PGDipSc are subject to the provisions of PGDipSc Regulation 5); or
- qualify for the award of a Postgraduate Diploma in Engineering Geology (Note: Candidates who qualify for the Canterbury Postgraduate Diploma in Engineering Geology are subject to the provisions of the PGDipEngGeol Regulation 5); or
- qualify for the award of a Postgraduate Diploma in Science



- vii. be admitted ad eundem statum as entitled to enrol for the degree of Master of Science; or
- viii. for the Master of Science in Biotechnology only, be admitted by any other of the

in Science or the Postgraduate Diploma in Engineering Geology, whichever is appropriate.

A candidate who fails more than 0.25 CW of the Part I programme shall not be awarded a pass in Part I as a whole and shall not be permitted to offer Part II for examination, but he or she will be awarded a Certificate of Proficiency for each course passed.

A candidate who passes all the courses for Part I, but who does not attain a grade average of at least C+ (some departments/school require a higher grade average), or who otherwise does not attain a standard satisfactory to the Dean of Science in the Part I requirements as a whole, shall not be permitted to repeat any part of the Part I programme, or to offer Part II for examination, but may apply for the award of the Postgraduate Diploma in Science or the Postgraduate Diploma in Engineering Geology, whichever is appropriate.

Notwithstanding anything else in Regulation 7(a), before offering Part II for examination, a candidate must pass Part I to the standard required by the Head of Department/School, which standard may be specified in Schedule 1 to these regulations.

- (b) Notwithstanding Regulation 7(a), a candidate offering Part I who qualifies for consideration for an aggregate award in some or all of the courses (see General Course and Examination Regulation H) may elect either (i) to accept for the courses affected the aggregate grades recommended by the examiners under that Regulation; or (ii) to sit a further examination and/or present again all or some of the assessed work if that examination or assessed work formed the basis of the aggregate application. The time or times for representation of work or further examination will be set by the Dean of Science, after consulting the Head of Department/School. Schedule 1 to these regulations shall apply to the further examination.

not exceeding one month, but permission of the Dean of Postgraduate Studies is required if the period exceeds one month, or if any of the work,

18. **Transfer from MSc to PGDi. Sc to PGDi. EngGeol**

A candidate who is enrolled for MSc. Part I may at any time apply to the Dean of Science for transfer to either the PGDipSc or PGDipEngGeol, whichever is appropriate.

19. **Add of PGDi. Sc to PGDi. EngGeol in Credit and MSc**

A candidate who has successfully completed Part I of the Degree of Master of Science, or who under

Student Resources Degree of Master of Science

*Note: Students will normally be expected to take BIOL 309 (BIOL 30).*

### **Cell and Molecular Biology**

Part I is four courses selected from those listed for CEMB 400-level requirements.

Part II is a thesis (CEMB 690) which shall normally be presented not later than 16 months after the date of enrolment for Part II. Students must consult the MSc regulations for details of other provisions from those listed





may be replaced by an appropriate course from another subject, subject to the approval of the Course Co-ordinator.

Part II: A thesis (MPHC 690), which shall normally be presented no later than 12 months after the date of enrolment for Part II.

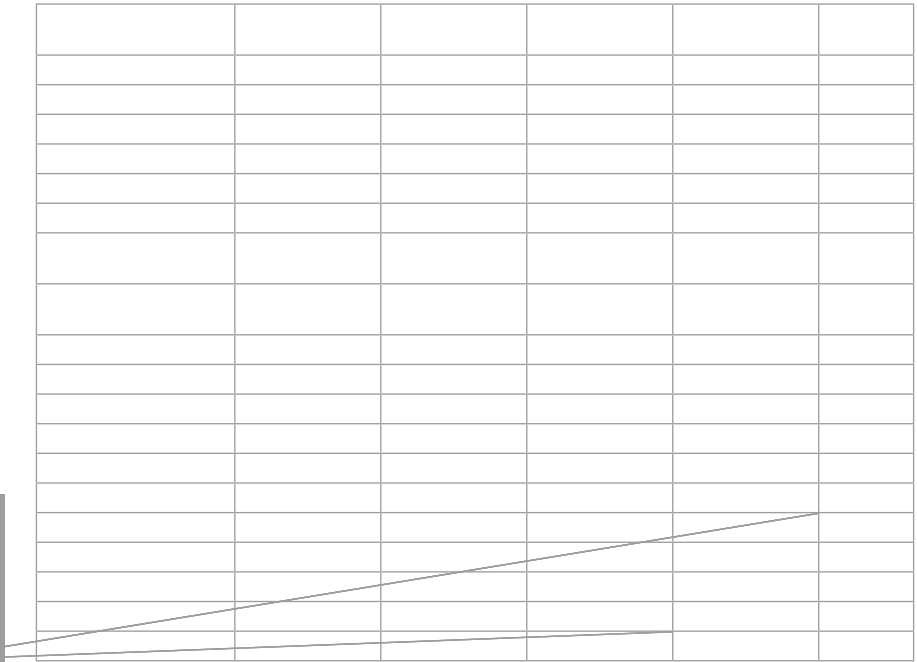
In determining the class of Honours, Part I and II are weighted in the ratio 2:3

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Awarcs Regulations



# The Degree of Master of Speech and Language Therapy (MSLT)

*See also General Course and Examination Regulations*

## 1. Qualification Requirements in the Degree

A candidate for the Degree of Master of Speech and Language Therapy shall have:

- (a) i. qualified for the award of the Degree of Bachelor of Speech and Language Therapy; or  
ii. been admitted ad eundem statum as entitled to enrol for the degree of Master of Speech and Language Therapy; and
- (b) been approved as a candidate for the degree by the Dean of Science.

*Note: Relevance and standard of undergraduate studies are the main criteria for approval.*

## 2. Qualifying Programme for Admission

If a candidate does not qualify for admission under regulation 1, he or she may be admitted to a

# Postgraduate Diploma in Antarctic Studies (PGDi. AntAS d)

- (a) to have the courses transferred to the degree of Master of Antarctic Studies in lieu of being awarded the Diploma; or

## Southland Postgraduate Diploma

ANTA 401 Antarctic Global Connection, compulsory (0.3750 EFTS)

ANTA 402 Antarctic Legal System, compulsory (0.1250 EFTS)

Other 400-level courses relevant to a coherent programme of study. A total course weighting of at least 10 EFTS must be completed

*Note: Courses other than those on the above Schedule will be approved by the Board of Studies Antarctic Studies for inclusion in a candidate's course of study.*

## Postgraduate Diploma in Clinical Psychology (PGDi ClinP c)

See also General Course and Examination Regulations

Candidates must also consult the Postgraduate Diploma in Clinical Psychology Handbook for admission criteria and information on planning your programme of study.

### 1. Qualification Requirements in the Diploma

Every candidate for the Postgraduate Diploma in Clinical Psychology shall have:

- (a) been credited with PSYC 335 (or an equivalent course) and PSYC 641, PSYC 642, PSYC 643 (see Note 1 below), PSYC 651, PSYC 653, PSYC 654, and a research methods course (or equivalent); and
- (b) either:
  - i. fulfilled the requirements for the degree of Master of Arts in Psychology, or Master of Science in Psychology (see Note 2 below), or
  - ii. fulfilled the requirements for the degree of PhD in Psychology (see Note 2 below), or
  - iii. fulfilled the requirements for the degree of BA(Hons) or BSc(Hons) in Psychology (see Note 2 below), and be enrolled in a PhD in Psychology, and be making satisfactory progress in studies for the PhD, and have permission of the Director of Clinical Training, Head of Department and the Dean of Postgraduate Studies to enrol.

Normally the candidate will have been enrolled for the equivalent of two years part-time for the PhD concurrently with PSYC 641, PSYC 642, PSYC 643, PSYC 651, PSYC 653 and PSYC 654 before enrolment in the diploma is approved (see Note 3 below).

Notes

- 1 Application for admission to PSYC 641, PSYC 642 and PSYC 643 must be made by 30 September in the previous year.
- 2 Students should consult the clinical handbook for admission criteria and information on recommended courses of study at both the undergraduate and the 400-level that precede completion of Masters or PhD. The Director of Clinical Training and the Head of Department will determine whether the candidate has completed an appropriate set of 300 and 400-level courses (which if taken at Canterbury would be part of BSc(Hons), BA(Hons), Part I MSc, or Part I MA in Psychology).
- 3 Concurrent enrolment in PhD and internship will only be approved if it is expected to

### 3. Structure of the Diploma

The diploma consists of:

- (a) Practical work certificate: Every candidate must possess a certificate from the Head of Department of Psychology that states he or she has spent either (i) one year full-time or (ii) two years part-time in practical work in an institution or institutions approved by the Head of Department.
- (b) Course requirement: Either PSYC 500 full-time one year, or PSYC 502 part-time two years depending on whether the practical work as outlined in (a) above is completed on a full-time basis (see Note, below).
- (c) Examination requirement: Every candidate must pass an oral and practical examination in Clinical Psychology following completion of (a) and (b).

*Note: Part-time enrolment requires the approval of the Director of Clinical Training, Head of Department and the Dean of Postgraduate Studies.*

## Postgraduate Diploma in Engineering Geology (PGDi EngGe I)

See also *General Course and Examination Regulations*

### 1. Qualification Requirements for Entry into the Diploma

Every candidate for the Postgraduate Diploma in Engineering Geology shall have:

- (a) either:
  - i. qualified for the award of the Degree of Bachelor of Science in New Zealand, majoring in Geology or Earth Sciences; or
  - ii. qualified for the award for the Degree of Bachelor of Engineering in New Zealand, majoring in Civil Engineering (see Notes, below); or
  - iii. been admitted ad eundem statum with graduate status with suitable preliminary qualification to the University of Canterbury (see Notes, below); and
- (b) have been approved as a candidate by the Dean of Science.

*Notes*

- 1 *Relevance of undergraduate studies to Engineering Geology and standard of achievement are the main criteria for approval. Canterbury students who qualify for entry under Regulation 1(a)(i) will normally be required to have passed GEOL 351*

### 4. Application for Submission

A candidate shall give notice in writing of intention to sit the examination. He or she must submit, together with the letter of application, representative clinical reports of cases which he or she has studied since enrolment for the diploma. Examinations will be held by the University at convenient intervals. Any candidate enrolled under

Regulation 1(b)(ii) above must have submitted her/his PhD thesis for examination before applying to sit the diploma examination, and he or she must qualify for the award of PhD before being awarded the diploma. A candidate may apply to sit the examination a maximum of three times over a five year period following initial enrolment in PSYC 500 or PSYC 502.

### 5. Award of Diploma with Distinction

The diploma may be awarded with distinction.

*and GEOL 352 and 56 other points in GEOL 300-level courses with a grade average that meets the approval of the Head of Department (the normal requirement is at least a B-grade average). In addition, 18 points of MATH 100-level courses are required. This may be waived by the Head of Department if the student can demonstrate an existing suitably high level of ability in Mathematics.*

- 2 *Candidates seeking admission may be required to pass a qualifying programme prior to commencing the Postgraduate Diploma in Engineering Geology or students may be required to undertake studies concurrently.*
- 3 *A relevant tertiary qualification plus work experience may be deemed appropriate for entry to the Diploma.*

### 2. Programme of Study

The programme of study consists of ENGE 471, ENGE 472, ENGE 485, ENGE 486, ENGE 495, at least one course chosen from GEOL 473-489 and at least one course chosen from ENGE 476-482 (as for Engineering Geology BSc(Hons)), with the approval of the Head of the Department of Geological Sciences.

If the candidate is enrolled as a full-time student, the courses must be passed in one year. Part-time enrolment requires the approval of the Dean of Science, and a part-time student must follow a programme of study within time limits determined by the Dean of Science **following recommendations** of the Head of Department.

Notes:

- 1 *With the approval of the Head of the Department of Geological Sciences, one of the courses ENGE 471-486 may be replaced by one other ENGE course.*
- 2 *With the approval of the Head of the Department of Geological Sciences, up to two courses from GEOL 473-489 may replace up to two of the optional courses, or one full year course from another subject may replace two of the optional courses.*
- 3 *The time limit for a candidate studying part-time shall normally be two years.*

### 3. Re-entrance

- (a) A candidate who fails any of the courses, or who otherwise does not attain a standard satisfactory

# Postgraduate Diploma in Health Science (PGDi HealSc)

*See also General Course and Examination Regulations*





Courses may also be selected from within the following subjects, with the approval of the Director, Health

S t R t P s a t a D a

Award Regulations

candidate has achieved a grade average of at least B- in the diploma programme as a whole, including any failed courses.

- (c) A candidate who fails more than 0.25 EFTS of the diploma programme, or who failed no more than 0.25 EFTS but was not offered a pass in the diploma as a whole under Regulation 4(b), will be awarded a Certificate of Proficiency for each course passed.
- (d) Notwithstanding 4(a), 4(b) and 4(c), a candidate who qualifies for an aggregate award, in some or all of the courses (see General Course and Examination Regulation H) may elect either:
  - i. to accept for the courses affected the grades recommended by the examiners under that Regulation;
  - ii. to present all or some of those courses once at a subsequent examination.

**5. Transfer from PGDi. Sci to MSc**

If the courses passed for the Diploma also satisfy the requirements for Part I of the MSc, and if the candidate meets the standard required by the department for entry to MSc Part II, then, subject to the Admission Regulations and with the approval of the Dean of Science, a candidate may elect either:

- i. to have the courses transferred to the Degree of Master of Science in lieu of being awarded the Diploma;

- ii. to enter for the Degree of Master of Science under Regulation 2(a)(iv) if the Diploma has been awarded.

**6. Award of PGDi. Sci in lieu of MSc Part I**

A candidate who has successfully completed Part I of the Degree of Master of Science may have this part of the degree programme credited towards a Postgraduate Diploma in Science instead of the Degree of Master of Science.

**7. Award of PGDi. Sci after Admission to MSc Part II**

Where a candidate for the Degree of Master of Science does not attain a satisfactory standard in the Part I examination, but does fulfil the requirements for the Postgraduate Diploma in Science, the Dean of Science, on the advice of the examiners, may recommend the award of the Postgraduate Diploma in Science.

**8. Award of PGDi. Sci with Distinction or Merit**

The Postgraduate Diploma in Science may be awarded with Distinction or Merit.

*Note: The award of Distinction indicates a grade average in the range A- to A+; the award of merit indicates a grade average of B+.*

**Subject Requirements for Part 2 of the Postgraduate Diploma in Science**

ASTR 424 and five courses chosen from: ASTR 421-423, 425-430, and up to two courses from PHYS 400-level courses. Two courses may be replaced by ASTR 480, but no student may take both ASTR 430 and ASTR 480. Courses are subject to the following conditions:

both by the

Cell and Molecular Biology

## Health and Safety Management

The programme of study consists of HAZM 401, HAZM 403, ENCI 601, ENCI 462 (or equivalent), and four other courses chosen to meet the requirements of the programme.

- P. Six courses (not fewer than 150 points) from PSYC 200- and PSYC 300-level courses, including:
- (2) PSYC 206 and
  - (3) one from PSYC 207-211, and
  - (4) PSYC 344, and
  - (5) one from PSYC 331-335, 343 and
  - (6) one further PSYC 300-level course and
  - (7) one further PSYC 200- or PSYC 300-level course.

A B grade average in three PSYC 300-level courses is normally required.



Part I: Eight courses chosen from STAT 401-490