

# Course Equivalents for Science

## AUT

AUT Course	Course Name	University of Auckland Equivalent
<b>BIOLOGICAL SCIENCES</b>		
775102	Biological Chemistry 5	BIOSCI Unspecified Stg I, 15 pts
775111	Microbiology	BIOSCI Unspecified Stg I, 15 pts
775111 +776113	Microbiology + Environmental Microbiology	BIOSCI 204, 15 pts only
775112	Systematic Microbiology 5	BIOSCI Unspecified Stg I, 15 pts
775311 +775314	Biodiversity 5A and 5B	BIOSCI Unspecified Stg I, 15 pts only
775312	Ecology 5	BIOSCI 104
775317	Ecology & Evolution	BIOSCI Unspecified Stg I, 15 pts
775318	Form & function Plants & Animals	BIOSCI Unspecified Stg I, 15 pts
775617	Intro to Epidemiology	MEDSCI Unspecified Stg I, 15 pts (this is regarded an Out of Faculty course)
776113	Environmental Microbiology	BIOSCI Unspecified Stg I, 15 pts
526176	Human Biological Science	SCIENCE Unspecified Stage I, 15 pts
<b>CHEMISTRY</b>		
775211	Analytical Chemistry 5	CHEM Unspecified Stg I, 15 pts
775212	Organic Chemistry 5	CHEM 110
775213	Inorganic and Physical Chemistry 5	CHEM 120
775214 or 775205	General Chemistry 5	CHEM 150
<b>COMPUTER SCIENCE</b>		
715187	Computer Applications 5	INFOSYS 110 (this is an Out of Faculty course)
406702	Data and Process Modelling	COMPSCI Unspecified Stg I
775701 or 405701	Programming 5A or I	COMPSCI 101
775702 or 405702	PC Software, Tools and Applications 5 Computing	COMPSCI Unspecified Stg I, 15 points
775703 or 405703	PC Hardware and Operating Systems 5 Foundations of IT Infrastructure	COMPSCI 210
775704 or 405704	Programming 5B or II	COMPSCI 105
775706	Building a Website	COMPSCI 111
735318	Programming for Engineering Apps	COMPSCI Unspecified Stg I, 15 points
735320	Object Orientated Applications	COMPSCI Unspecified Stg I, 15 points
735325	Personal Computer Engineering & Applications	COMPSCI 101
736391	Object Oriented Application	COMPSCI Unspecified Stg I, 15 points
405703	Hardware and Software Infrastructure	COMPSCI 210
735316	Computer Network Principles	COMPSCI 215
736392	Computer Network Applications	SCIENCE Unspecified Stg I, 15 points
715189	Algebra and Discrete Mathematics	COMPSCI 225
405021	Enterprise Systems	COMPSCI Unspecified Stg II, 15 points
705003	Engineering Computing	COMPSCI Unspecified Stg I, 15 points
<b>EARTH SCIENCES/GEOLOGY</b>		
775315	Introduction to the Earth 5	GEOLOGY 110
775313	Environmental Science 5	ENVSCI 101
ENVS 521	Physical and Human Geography	GEOG Unspecified Stg I, 15 points

AUT Course	Course Name	University of Auckland Equivalent
<b>MATHEMATICS</b>		
714338	Engineering Maths	MATHS Unspecified Stg I, 15 pts
715184	Statistical Models 5	MATHS 101
715186	Differential and Integral Calculus 5	MATHS Unspecified Stg I, 15 pts
715189 or MATH 502	Algebra and Discrete Mathematics 5	COMPSCI 225
715205	Finite Maths	MATHS Unspecified Stg I, 15 pts
715001	Engineering Maths I	MATHS Unspecified Stg I, 15 pts
716001	Engineering Maths 2	MATHS Unspecified Stg II, 15 pts
176101	Linear Algebra	MATHS Unspecified Stg I, 15 pts
716184	Statistical Methods	STATS 201
716187	Differential Equations 6	MATHS 260
716186 or MATH 501	Multivariate Calculus 6	MATHS 253
MATHS 500	Mathematical concepts	MATHS 102
<b>PHYSICS</b>		
775611	Biophysics 5	PHYSICS 160
715202	Physics I	PHYSICS 120
715204	Introduction to Astronomy	PHYSICS 107
<b>PHYSIOLOGY</b>		
775613	Human Anatomy and Physiology 5A#	SCIENCE Unspecified Stg I, 15pts
775614 or 556201 or 556202	Human Anatomy and Physiology 5B or I/II	MEDSCI 142
<b>PSYCHOLOGY</b>		
565603	Introduction to Psychology A	PSYCH 108
565604	Introduction to Psychology B	PYSCH 109
566605	Personality	PSYCH 207
565605	Intro to Research Methods	SCIENCE Unspecified Stg I, 15 pts
566508	Social Psychology	PSYCH 204
<b>SCIENCE: GENERAL</b>		
145611 or 145612	Scientific Communication 5	SCIGEN 101
555301 or 556301	Knowledge Inquiry & Communication Methods of Research Enquiry	SCIGEN 101
555321	Human Structure and Function I	SCIENCE Unspecified Stg I, 15 pts
556106	Human Structure and Function II	SCIENCE Unspecified Stg I, 15 pts
<b>EXERCISE SCIENCES/SPORT AND EXERCISE SCIENCE – To end of 2016 Subject is SPORTSCI from 2017 Subject is EXERSCI</b>		
515023	Exercise Prescription and Assessment	SPORTSCI 105
515008 or 546004	Applied Anatomy	SPORTSCI 103
555201 + 555202	Human Anatomy +Physiology I&II	SPORTSCI 103, 15 pts only
556104	Health Promotion	Out of Faculty Unspecified Stg I, 15 pts
555201	Human Anatomy & Physiology 1	MEDSCI 142
515009	Nutrition Activity + Health	SPORTSCI Unspecified Stg I, 15 pts
<b>STATISTICS</b>		
775705	Information Systems and Decision Modelling 5	STATS Unspecified Stg I, 15 pts
715700	Probability Theory and applications	STATS 125
715184	Statistical Models 5	STATS 101
716184	Statistical Methods 6	STATS 201
716281	Operations Research	STATS 255
716284	Forecasting	STATS Unspecified Stg II, 15 pts
716700	Statistical Modelling for Analytics	STATS 210
<b>OTHER</b>		
556202	Human Anatomy & Physiology II	MEDSCI 142
555201	Human Anatomy and Physiology	MEDSCI Unspecified Stage I if student's grade between C and B-
555301	Knowledge Inquiry and Communication	SCIGEN 101

Otago Course	Course Name	University of Auckland Equivalent
<b>BIOLOGICAL SCIENCES</b>		
BIOL 111	Biology of Cells	BIOSCI 101
BIOL 112	Biology of Animals	BIOSCI 103
BIOL 113	The Biology of Plants	BIOSCI 102
BIOL 114	Introductory Ecology	BIOSCI 104
BIOL 115	Biology for Health Sciences	BIOSCI Unspecified Stg I, 15 pts
BIOL 120	Southern Natural History	BIOSCI 100
BIOC 111	Foundations of Biochemistry	BIOSCI 106
BIOC 192	Foundations of Biochemistry	BIOSCI 106
BIOC 221	Molecular Biology	BIOSCI 201
BIOC 223	Cellular Biochem & Metabolism	BIOSCI Unspecified Stg II, 15 pts
ECOL111	Ecology and Conservation Diversity	BIOSCI 104
CELS 191	Cell and Molecular Biology	BIOSCI 101
GENE 211 + 212	Molecular and Microbial Genetics + Introduction to Eukaryotic Genetics	BIOSCI 202 + BIOSCI Stage II – 30 pts
GENE 221 + 222 + 223	Molecular and Microbial Genetics + Genes, Chromosomes and Populations + Developmental and Applied Genetics	BIOSCI 202 + 2 x Stg II BIOSCI Unspecified Stage II – 45 pts
GENE 211	Molecular and Microbial Genetics	BIOSCI Unspecified Stg II, 15 pts
GENE 222	Genes Chromosomes & Pop	BIOSCI Unspecified Stg II, 15 pts
MICR 201 + 202	Introductory Microbiology: Microbes to Medicine + Microbes and the Living World	BIOSCI 204 15 pts only
MICR 221 + 222	Microbes to Medicine + Microbes in Action	BIOSCI 204 + BIOSCI Unspecified Stg II – 30 pts
BIOC 230	Biochemistry	BIOSCI Unspecified Stg II, 15 pts
BIOC 211	Molecular Biology	BIOSCI 201
BIOC 213	Human Metabolism	BIOSCI Unspecified Stg II, 15 pts
BIOA 201	Intro to Biological Anthropology	ANTHRO 201
ZOOL 221	Animal Designs for Living	BIOSCI Unspecified Stg II, 15 pts
ANAT333	Reproductive Biology	MEDSCI 201
ANAT241	Human Biology: Cells to Systems	MEDSCI 201
<b>Credit Equivalents from BSc (Health Science) University of Otago to BSc (BIOMEDICAL Science) UoA Year 1</b>		
CELS 191	Cell and Molecular Biology	BIOSCI 101
CHEM 191	Cell and Molecular Biology	CHEM 110
HUBS 191 + 192 (must have both courses for credit)	Human Body Systems 1 + Human Body Systems 2	MEDSCI 142 + BIOSCI 107, 30 pts
PHSI 191	Biological Physics	PHYSICS 160
BIOC 192	Foundations of Biochemistry	BIOSCI 106
HEAL 192	Foundations of Epidemiology	POPLHTH 111
MAOR 102	Māori Society	MAORI 130
STAT 115	Introduction to Biostatistics	STATS 101
<b>CHEMISTRY</b>		
CHEM 111	Molecular Architecture	CHEM 120
CHEM 112 or 191	Chemical Basics of Bio and Human Health	CHEM 110
CHEM 141	Chemistry and Our World	CHEM 150
CHEM 150	Concepts of Chemistry	CHEM 150
CHEM 201	Environmental Physical Chemistry	CHEM 210

Otago Course	Course Name	University of Auckland Equivalent
<b>COMPUTER SCIENCE</b>		
COMP 101 or 111	Introduction to Information Technology	COMPSCI 111
COMP102	Information Engineering	INFOSYS 110 (Out of Faculty)
COMP103	Computer Programming	COMPSCI 101
COMP 150	Practical Programming	COMPSCI 101
COMP 160	General Programming	COMPSCI 105
COMP201	Computing for Professionals	COMPSCI 111
COMO102	Scientific Programming	COMPSCI Unspecified Stg I, 15 pts
COMP 112	Computer Concepts of Web Development	COMPSCI Unspecified Stg I, 15 pts
INFO 221	Appl Software Development	COMPSCI 280
COSC 241	Programming and Problem Solving	COMPSCI Unspecified Stg II 15 pts
COSC 243	Computer Architecture & Operation Systems	COMPSCI 210
COSC 242	Algorithms & Data Structure	COMPSCI 220
COSC 244	Data Communications, Networks, Intellect	COMPSCI 215
<b>ENVIRONMENTAL SCIENCE</b>		
ENVII 11	Environment and Society	ENVSCI 101
<b>FOOD SCIENCE</b>		
FOSC 111	Food Principles	FOODSCI 201
<b>GEOGRAPHY</b>		
GEOG 101	Physical Geography	GEOG 101
GEOG 102	Human Geography	GEOG 102
GEOG 212	Transformation in Developing Countries	GEOG Unspecified Stg II, 15 pts
GEOG 213	Geography of New Zealand	GEOG Unspecified Stg II, 15 pts
GEOG 210 or 215	Social Geography or Urban Geography	GEOG 202
GEOG 216	Resource Evaluation and Planning	GEOG 205
GEOG 215	Urban Geography	GEOG 202
GEOG 290	Field Research Methods (Science)	GEOG 201
GEOG 278	Geography of the South Pacific Is	GEOG Unspecified Stg II, 15 pts-*Restrict GEOG 312
GEOG 282	Climate Change: Present & Future	GEOG Unspecified Stg II, 15 pts
GEOG 284	Soils and the Environment	GEOG Unspecified Stg II, 15 pts
GEOG 287	Plants People and the Environment	BIOSCI 205
GEOG 288	Rivers and Run off	GEOG Unspecified Stg II, 15 pts
GEOG 289	Geomorphology	GEOG 201
GEOG 290	Field Research Methods	GEOG 250
MARI 201	The marine Environment	MARINE 202
<b>EARTH SCIENCE/GEOLOGY</b>		
GEOL112	Dynamic Earth, a NZ Perspective	GEOLOGY 101
EAOS111	Earth and Ocean Science	EARTHSCI Unspecified Stg I, 15 pts.

Otago Course	Course Name	University of Auckland Equivalent
<b>MATHEMATICS</b>		
MATH100	Mathematical Foundations	MATHS 101
MATH101 +102	Supplementary Algebra 1	MATHS 108 – 15 pts only
MATH103 +104	Supplementary Calculus 1	MATHS 150 – 15 pts only
MATH134	Engineering Mathematics	MATHS 162
MATH151	General Mathematics	MATHS 102
MATH160	Mathematics 1	MATHS 108 – If 'A' grade or higher can credit to MATHS 150
MATH170	Mathematics 2	MATHS 150
MATHS 160 + 170	Mathematics 1 & 2	MATHS 150 + 250 – 30 pts-
QUAN102	Business Mathematics	MATHS 108
MATH131	Computer-Aided Mathematics	MATHS Unspecified Stg I, 15 pts
MATH 201 +202	Real Analysis + Linear Algebra	MATHS 253 + 255 – 30 pts
MATH203	Calculus of Variables	MATHS Unspecified Stg II, 15 pts
MATH242	Matrix Algebra with Application	MATHS 253
MATH251	Calculus	MATHS 250
MATH262	Mathematical Methods 1	MATHS 260
COMO101	Computational Mathematics	MATHS 162
COMO201	Computational Modelling	MATHS Unspecified Stg II, 15 pts
COMO204	Differential Equations	MATHS 260
<b>MEDICAL SCIENCE</b>		
HUBS 191 + 192	Human Body Systems 1 + Human Body Systems 2	MEDSCI 142 + MEDSCI Unspecified Stg I – 30 pts. Students must complete both HUBS 191 + 192 to gain credit.
MICR 221 + 223	Microbes to Medicine	MEDSCI 202 + MEDSCI Unspecified Stg II – 30
MICR 221 or 223	Microbes to Medicine or Infection and Immunity	MEDSCI 202
ANAT 231	Human Biology: Cells & Systems	MEDSCI 201
ANAT 241	Human Biology: Cells to Systems	MEDSCI 201
ANAT 242 or 232	Neurobiology	MEDSCI 206
PHAL 211	Intro to Pharmacology	MEDSCI 204
PHSL 101	Physiology: How your body works	SCIENCE Unspecified Stg I, 15 pts
PHSL 221	Human Physiology	MEDSCI 205
PHSL 222	Cellular and Molecular Physiology	MEDSCI Unspecified Stg II, 15 pts
PHSL 231	Neurophysiology	MEDSCI 206
PHSL 232 + 233	Cardiovascular and Respiratory Physiology + Cellular, Gastrointestinal and Renal Physiology	MEDSCI 205 + MEDSCI Unspecified Stg II, 30 pts
PHSL 251	Physiology	MEDSCI 205
<b>PHYSICS</b>		
PHSI 110	Introduction to Physics	PHYSICS 102
PHSI 131	Physical Law and its Applications	PHYSICS Unspecified Stg I, 15 pts
PHSI 132	Fundamentals of Modern Physics	PHYSICS Unspecified StgI, 15 pts
PHSI 131 + 132	Physical law + Fundamentals of Physics	PHYSICS 120 + 150
PHSI 170	Sun, Earth and Universe	PHYSICS 107
PHSI 162	Electromagnetic Fields	PHYSICS Unspecified Stg II, 15 pts
PHSI 191	Biological Physics	PHYSICS 160
PHSI 264	Waves and Optics	PHYSICS 260

Otago Course	Course Name	University of Auckland Equivalent
<b>PSYCHOLOGY</b>		
PSYC 111	Brain and Behaviour	PSYCH 109
PSYC 112	Development and Social Psychology	PSYCH 108
PSYC 201 or 211	Brain and Cognition	PSYCH 202
PSYC 202 or 212	Social and Applied Psychology or Social and Applied Psychology	PSYCH 204
PSYC 203	Abnormal Psychology	PSYCH 207
PSYC 204	Justice Race and Class	PSYCH Unspecified Stg II, 15 pts
PSYC 210	Principals of Psychological Research	PSYCH 208
PSYC 211	Brain and Cognition	PSYCH 202
PSYC 212	Social and Applied Psychology	PSYCH 204
<b>EXERCISE SCIENCES/SPORT AND EXERCISE SCIENCE – To end of 2016 Subject is SPORTSCI from 2017 Subject is EXERSCI</b>		
ANAT 111	Functional Anatomy	SPORTSCI 104
ANAT 120	The Human Body	SPORTSCI 103
PHSE 101	Sociocultural Foundations of Physical Education	SPORTSCI 102
PHSE 102	Biophysical Human movement	SPORTSCI 101
PHSE 191	Human Body Systems	SPORTSCI Unspecified Stg I, 15 pts
PHSE 205	Psychology of Sport	SPORTSCI 204
HUNT 232	Sport & Exercise Nutrition	SPORTSCI 206
<b>STATISTICS</b>		
STAT 110	Statistical Methods	STATS 101
STAT 115	Introduction to Biostatistics	STATS 101
QUAN 101	Business Statistics	STATS 108
BNBS 102	Quant Analysis for Business	STATS 108
HASC 413	Biostatistics	STATS 101
STAT 241	Regression and Modelling 1	STATS 201
STAT 242	Multivariate Methods	STATS Unspecified Stg I, 15 pts
STAT 251	Design Research Studies	STATS Unspecified Stg I, 15 pts
STAT 261	Probability and Inference 1	STATS 210
FINC 203	Financial Data Analysis	STATS 208

Victoria Course	Course Name	University of Auckland Equivalent
<b>BIOLOGICAL SCIENCES</b>		
ESCI 132	Antarctica: Unfreezing the Continent	BIOSCI 100
BIOL 111	Cell Biology	BIOSCI Unspecified Stg I, 15 pts
BIOL 113	Biology of Plants	BIOSCI 102
BIOL 114	Biology of Animals	BIOSCI Unspecified Stg I, 15 pts
BIOL 115	Evolution and Human Biology	BIOSCI Unspecified Stg I, 15 pts
BIOL 132	Biodiversity and Conservation	BIOSCI 104
BIOL111 + 114 + 116	Cell Biology, BIO of Animals, Evolution & Sexuality	BIOSCI 101 + 103 + BIOSCI Stg 1 – 45 pts
BIOL 219	NZ Flora and Fauna	BIOSCI Unspecified Stg II, 15 pts
BIOL 224	Population Process for Ecology	BIOSCI Unspecified Stg II 15 pts
BIOL 227	Plants Algae: Function & Div	BIOSCI 205
BIOL 241	Hereditary & Gene Expression/ Genetics	BIOSCI 202
BIOL 243	Physiology & Pharmacology	MEDSCI 201
BIOL 228	Animal Diversity	BIOSCI 208
BIOL 252	Cell and Development Biology	BIOSCI 201
BIOL 328	Animal Ecology and Behaviour	BIOSCI Unspecified Stg III, 15 pts
BMSC116 or BIOL116	Human Reproduction, Evolution and Sexuality	SCIENCE Unspecified Stg I, 15 pts only
BMSC117	The Biology of Disease	BIOSCI Unspecified Stg I, 15 pts
<b>CHEMISTRY</b>		
CHEM103 or 113	Concepts of Chemistry	CHEM Unspecified Stg I, 15 pts
CHEM104 or 114	Principles of Chemistry	CHEM Unspecified Stg I, 15 pts
CHEM 103 + 104 or 113 + 114	Concepts of Chemistry + Principles of Chemistry	CHEM 150 + CHEM 110 – 30pts
CHEM191 or 131	Introductory Chemistry	CHEM 150
CHEM114 + 115	Structure& Spectroscopy	CHEM 150 + CHEM 120 - 30pts
CHEM204	Spectroscopy and Structural Analysis	CHEM 240
CHEM203	Physical and Process Chemistry	CHEM 220
<b>COMPUTER SCIENCE</b>		
COMP102	Introduction to Computer Program Design	COMPSCI 101
COMP 103	Introduction to Data Structures and Algorithms	COMPSCI 105
COMP 112	Intro to CompSci	COMPSCI 107
INET 101	Introduction to Internet Technology	COMPSCI 111
INFO 101	Foundations of Information Systems	INFOSYS 110 (Out of Faculty)
INFO 102	Business Applications Programming	INFOSYS 220
INFO 241	Intro to Database Mgmt & Programming	INFOSYS 222
INFO 341	Advanced Database Programming	INFOSYS Stg III, 15 pts. (Restricted against INFOSYS 330) (Out of Faculty)
MACS 130	From Zero to Infinity	COMPSCI Unspecified Stg I, 15 pts
DSDN	Creative Coding	COMPSCI Unspecified Stg I, 15 pts
COMP 130 or 101	Intro to Computers and Applications dynamic Web Development	COMPSCI 111
COMP 205	Software Design and Engineering	COMPSCI 230
COMP 206 or 261	Algorithms & Data Science	COMPSCI 220
COMP 311		COMPSCI 345
COMP 312	Simulation and Stochastic Models	SCIENCE Unspecified Stg III, 15 pts
MATH 261	Discrete Math 2	COMPSCI 225
SWEN 221 + 222	Software Development + Software Design	COMPSCI 230 + COMPSCI Unspecified Stg II, 30
NWEN 241	Systems Programming	COMPSCI 210
ELCM 251	Intro to Internet Design & Development	INFOMGMT 222. (Out of Faculty).

Victoria Course	Course Name	University of Auckland Equivalent
<b>ENVIRONMENTAL SCIENCE</b>		
ENVI 114 or GEOG 114	Environment and Resources: the Foundations	ENVSCI 101
ENVI 214	Environment and Resources: New Zealand Perspectives	ENVSCI 201
GEOG 222	Ecology & Environment	ENVSCI 201
PUBL 207	Environmental Policy	ENVSCI Unspecified Stg II, 15 pts
<b>GEOGRAPHY</b>		
ENVSCI 114	Environment and Resources: the Foundations	GEOG 101
GEOG 111 or ESCI 111	Fundamentals of Geography / The Earth System	GEOG 101
GEOG 112	Geography of the Asia-Pacific Basin	GEOG 102
GEOG 114	Environment and Resources: the Foundations	ENVSCI 101
GEOG 115	Geographical Interpretation and Design	GEOG Unspecified Stg I, 15 pts
GEOG 212	Worlds of Development	GEOG Unspecified Stg II, 15 pts
GEOG 214	Env & Res: NZ Perspective	GEOG Unspecified Stg II, 15 pts
GEOG 215	Intro to GS & Spalatal Aval.	GEOG 210
GEOG 216	Urban Geography	GEOG 202
GEOG 218	Landform Development and Coastal Processes	GEOG 201
GEOG 220	Hydrology & Climate	GEOG 261
GEOG 222	Ecology & Environment	ENVSCI 201
GEOG 224	Geomorphology	GEOG 262
<b>EARTH SCIENCE/GEOLOGY</b>		
GEOL 113 or ESCI 112	Fundamentals of Geology	EARTHSCI 103
PHYS 209	Physics of the Earth & Planet	EARTHSCI 202
ESCI 111	Earth Systems and Global Change	GEOG 101
ESCI 132	Antarctica: Unfreezing the Continent	BIOSCI 100
GEOL 111	The Changing Earth	EARTHSCI 103
GEOL 112	Earth Materials	GEOLOGY 112
GEOL 202	Historical Geology & Pal	EARTHSCI 202
ESCI 203	Earth Structure and Deformity	GEOLOGY 204
ESCI 304	Petroleum Geology	GEOLOGY Unspecified Stg III, 15pts
<b>MATHEMATICS</b>		
MATH 103	Introductory Calculus	MATHS Unspecified Stg I, 15 pts
MATH 104	Introductory Algebra	MATHS Unspecified Stg I, 15 pts
MATHS 103+104	Introductory Calculus & Algebra	MATHS 102 +MATHS Unspecified Stg I – 30 pts
MATH 113 +114	Calculus + Discrete Mathematics 1	MATHS 151 + MATHS 152 -30pts
MATHS 113	Calculus	MATHS Unspecified Stg I, 15 pts
MATH 114	Discrete Mathematics I	MATHS Unspecified Stg I, 15 pts
MATH 122	Applied Mathematics	MATHS 162
MATH 132	Intro to Math thinking	MATHS 102
MATH 151	Algebra – no Calculus	MATHS Unspecified Stg I, 15 pts
MATH 142 + 151	Calculus 1B + Algebra	MATHS 150 + MATHS 250 - 30 points
MATH 141 + 151	Calculus 1A + Algebra	MATHS 108 – 15 points only
MATH 177	Probability Decision Model	STATS 125
MATH 224	Differential Equations	MATHS 260
MATHS 227	Mathematical Stats	STATS 210
MATH 243 + 251	Linear Algebra + Multivariable Calculus	MATHS 250 + MATHS 253 – 30 pts
MATH 251	Linear Algebra	MATHS Unspecified Stg II, 15 pts
MATH 261	Discrete Math 2	COMPSCI 225
QUAN 103	Introductory Math for Business	MATHS 108
QUAN 111	Mathematics for Economics and Finance	MATHS Unspecified Stg I, 15 pts



Victoria Course	Course Name	University of Auckland Equivalent
<b>PHYSICS</b>		
PHYS 114	Physics IA	PHYSICS 120
PHYS 115	Physics IB	PHYSICS 150
PHYS 130	Introductory Physics	PHYSICS 102
PHYS 131	Energy and Environmental Physics	PHYSICS Unspecified Stg I, 15 pts
PHYS 132	Introductory Astronomy	PHYSICS 107
PHYS 209	Physics of the Earth & Planet	EARTHSCI 202
PHYS 221	Relativity & Quantum Physics	PHYSICS 251
PHYS 223	Classical Physics	PHYSICS 231
<b>PSYCHOLOGY</b>		
PSYC 101	Popular Psychology	PSYCH Unspecified Stg I, 15 pts
PSYC 121	Introduction to Psychology 1	PSYCH 108
PSYC 122	Introduction to Psychology 2	PSYCH 109
PSYC 221	Social Psychology	PYSCH 204
PSYC 231	Cognitive Psychology	PSYCH 201
PSYC 232	Research Methods in Psychology	PYSCH 208
PSYC 233	Brain and Behaviour	PSYCH 202
PSYH 234	Developmental Psychology	PSYCH Unspecified Stg II, 15 pts
PSYC 235	Abnormal Psychology	PSYCH 207
<b>STATISTICS</b>		
STAT 131	Probability and Decision Modeling	STATS 125
STAT 193	Statistics for Natural and Social Sciences	STATS 101
QUAN 102	Statistics for Business	STATS 108
MATH 177	Probability Decision Model	STATS 125
OPRE 253	Operations Research	STATS 108
STAT 292	Applied Statistics 2A	STATS Unspecified Stg I, 15 pts
STAT 293	Applied Statistics 2B	STATS 201
MATH 277	Mathematical Statistics	STATS 210
<b>TECHNOLOGY</b>		
TECH 101	Technology in the Modern World	SCIENCE Unspecified Stg I, 15 pts
TECH 102	Foundations of Digital Technology	SCIENCE Unspecified Stg I, 15 pts
SCIE 211	Contemporary Issues in Science and Society	SCIGEN 101

# Canterbury

Canterbury Course	Course Name	University of Auckland Equivalent
<b>BIOLOGICAL SCIENCES</b>		
BIOL 111	Cellular Biology and Biochemistry	BIOSCI 101
BIOL 112	Ecology, Evolution and Conservation	BIOSCI 104
BIOL 113	Diversity of Life	BIOSCI Unspecified Stg I, 15 pts
BIOL 114	NZ Biodiversity and Environment	BIOSCI Unspecified Stg I, 15 pts
BIOL 116	Human Biology	BIOSCI Unspecified Stg I, 15 pts
BIOL 123 + 124	Plant Biology	BIOSCI Unspecified Stg I, 15 pts only
BIOL 250 + 272	Principles of Animal Physiology/Behaviours	BIOSCI 207, 15 pts only
BIOL 251	Exercise and Health	SPORTSCI 201
ANTA 102	Antarctica: The Cold Continent	BIOSCI 100
ANTA 103	Antarctica: Life in the Cold	BIOSCI Unspecified Stg I, 15 pts
ANTA 201	Antarctica: Global Change	BIOSCI Unspecified Stg II, 15 pts
<b>CHEMISTRY</b>		
CHEM 111	General Chemistry A	CHEM Unspecified Stg I, 15 pts
CHEM 112	General Chemistry B/Structure and Reactivity I	CHEM Unspecified Stg I, 15 pts
CHEM 111 + 112	General Chemistry A/ Chemical Principles & Processes + General Chemistry B1/ Structure and Reactivity	CHEM 110 + 120 - 30 pts
CHEM 113	Engineering Chemistry	CHEM 120
CHEM 114	Foundations of Chemistry	CHEM 150
CHEM 115	General Chemistry C	CHEM Unspecified Stg I, 15 pts
CHEM 121	General Chemistry A	CHEM Unspecified Stg I, 15 pts
CHEM 224	Analytical and Environmental Chemistry	CHEM Unspecified Stg II, 15 pts
CHEM 261	Inorganic and Structural Chemistry	CHEM 220
CHEM 262	Organic Chemistry	CHEM 230
CHEM 242 + 281	Organic Chemistry + Practical Chemistry	CHEM 230, 15 pts only
<b>COMPUTER SCIENCE</b>		
AFIS 123/ INFO 123	Information Systems and Technology	INFOSYS 110 (Out of Faculty)
COSC 110	Computer Studies	COMPSCI 111
COSC 121	Computer Science 1A	COMPSCI 101
COSC 122/3	Computer Science 1B	COMPSCI 105
COSC 225 or 227 or 231	Human-Computer Interaction and Computer Graphics, Probabilistic Methods and Information Theory, Introduction to Data Communications	COMPSCI Unspecified Stg II - 15 pts only
COSC 261 + 262	Formal Languages and Compilers + Algorithms	COMPSCI 220 + COMPSCI Unspecified Stg II - 30 pts
COSC 264	Introduction to Computer Networks and the	COMPSCI Unspecified Stg II, 15 pts.
COSC 362	Data and Network Security	COMPSCI Unspecified Stg II, 15 pts.
ENCE 260	Computer Systems	COMPSCI 210
MATH 221	Algebra and Cryptography	COMPSCI 225
INFO 213	Object Orientated Sys Development	COMPSCI 280

Canterbury Course	Course Name	University of Auckland Equivalent
<b>GEOGRAPHY</b>		
GEOG 106	Global Environmental Change	ENVSCI101
GEOG 107 or 110	The Restless City	GEOG 102
GEOG 108	Resources and Sustainability	GEOG Unspecified Stg I, 15 pts
GEOG 109	Forces of Nature	GEOG 101
GEOG 201	Environmental Process: Principals & Applications	GEOG 201
GEOG 205	Introduction to Geographical Information Systems	GEOG 210
GEOG 206	Resource and Environmental Management	GEOG 205
GEOG 211	Environmental Process: Research Practice	GEOG 250
GEOL 113	Environmental Geohazards	GEOG 105
GEOG 202	Globalisation & New Geographies	GEOG Unspecified Stg II, 15 pts
WATR 201	Freshwater Resources	ENVSCI Unspecified Stg II, 15 pts
<b>EARTH SCIENCE/GEOLOGY</b>		
GEOL 111	Planet Earth	GEOLOGY 103
GEOL 112	Understanding Earth History	GEOLOGY 104
GEOL 113	Environmental Geohazards	GEOG 105
GEOL 240	Field Studies A - Mapping	GEOLOGY 201
GEOL 243	Depositional Environments and Stratigraphy	GEOLOGY 202
<b>MATHEMATICS</b>		
MATH 101	Introductory Mathematics with Applications	MATHS 102
MATH 103	Mathematics 1B	MATHS Unspecified Stg I, 15 pts
MATH 106	Mathematics 1C	MATHS 151
MATH 107	Mathematics 1D	MATHS 152
MATHS 108 or 105 or 102	Mathematics 1C/Maths 1A	MATHS 108
MATHS 109 or 103	Mathematics 1D/Maths 1B	MATHS 208
MATH 115	Discrete Mathematics I	MATHS Unspecified Stg I, 15 pts
MATH 134 or 144 or 130	Logic/Logic (SU)/Introduction to Logic	PHIL 101
MATH 171 or 170	Mathematical Modelling and Computation	MATHS 162
MATH 199	AIMS Advancing in Mathematical Sci	MATHS 153 + MATHS 250 – 30 pts
EMTH 118	Engineering Math I	MATHS 108
EMTH 119	Engineering Maths 1B	MATHS 150
EMTH 171	Mathematical Modelling and Computation	MATHS Unspecified Stg I, 15 pts
MATH 201	Multivariable Calculus	MATHS Unspecified Stg II, 15 pts
MATH 201 + 203	Multivariable Calculus + Linear Algebra	MATHS 250 - 15 pts only
MATH 202	Differential Equations	MATHS Unspecified Stg II, 15 pts
MATH 208	Logic A	MATHS Unspecified Stg II, 15 pts
MATHS 220	Discrete Maths & Cryptography	COMPSCI 225
MATH 240	Analysis and Groups	MATHS Unspecified Stg II, 15 pts
MATH 243	Analysis 2	MATHS Unspecified Stg II, 15 pts
MATH 261	Multivariate Calculus	MATHS Unspecified Stg II, 15 pts
MATH 254	Linear Algebra	MATHS Unspecified Stg II, 15 pts

Canterbury Course	Course Name	University of Auckland Equivalent
<b>PHYSICS</b>		
ASTR 109 or PHYS 109	The Cosmos, Birth and Evolution	PHYSICS 107
ASTR 112	Astrophysics	PHYSICS Unspecified Stg I, 15 pts
ASTR 211	Imaging the Universe	PHYSICS Unspecified Stg I, 15pts
ASTR 212	The Solar System and Dynamical Astronomy	PHYSICS Unspecified Stg I, 15pts
PHYS 106	Physics for Biological and Earth Sciences	PHYSICS Unspecified Stg I, 15 pts
PHYS 111	Introductory Physics for Science and Engineering	PHYSICS 102
PHYS 112 or 113 or *101	Mechanics, Waves, Thermodynamics,	PHYSICS 120
PHYS 114 or 115 or *102	Electrical and Quantum Physics	PHYSICS 150
PHYS 110	The Physical Universe	PHYSICS 102
PHYS 221	Waves, Optics and Circuits	PHYSICS 240
PHYS 222	Quantum Physics	PHYSICS 250
PHYS 223	Newtonian and Relativistic Mechanics	PHYSICS 230
PHYS 224	Electricity and Magnetism	PHYSICS 220
PHYS 281 & 282	Lab Techniques & Experimental Physics	These labs are done separately at Canterbury, at the University of Auckland the Labs are combined in with our courses. <b>The student must have passed these to get any credit for their Physics Stage II courses.</b> Students must supply evidence of satisfactory completion of both the lecture and lab components.
<b>PSYCHOLOGY</b>		
PSYC 105	Intro Psychology : Brain, Behaviour & Cognition	PSYCH 109
PSYC 106	Intro Psychology: Social Personality &	PSYCH 108
PSYC 206	Research Design & Statistics	PSYCH 208
PSYC 207	Development Psychology	PSYCH Unspecified Stg II, 15 pts
PSYC 208	The Psychology of Cognition	PSYCH 201
PSYC 211	Personality	PSYCH 207
CMDS 262	Neuroscience	PSYCH 202
<b>STATISTICS</b>		
STAT 111 or 112 or 101	Statistics 1	STATS 101
STAT 131	Statistics 1A	STATS 101
STAT 201	Applied Statistics	STATS Unspecified Stg II, 15pts
STAT 202	Regression Modelling	STATS 201
STAT 211	Random Process	STATS 125
STAT 213	Statistical Inference	STATS 210
STAT 221	Monte Carlo Methods	STATS Unspecified Stg II, 15pts
MSCI 110	Quantitative Methods for Business	STATS 108
MSCI 216	Linear Programming Methods	STATS Unspecified Stg II, 15pts
MSCI 280	Statistical Methods of Mgmt	STATS 208
MSCI 101	Mgmt Science	SCIENCE Unspecified Stg I, 15 pts
MSCI 202	Business Forecasting & Simulation	STATS Unspecified Stg II, 15pts
<b>EXERCISE SCIENCES/SPORT AND EXERCISE SCIENCE – To end of 2016 Subject is SPORTSCI from 2017 Subject is EXERSCI</b>		
BIOL 251	Exercise and Health	SPORTSCI201