

Rosehill College



**Year 11
Course
Information**

2012



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Selecting Your Subjects for 2012

The information in this handbook is designed to help you choose your subjects for 2012 carefully. The subjects you select are crucial for your future, so it is important that you choose the right course direction. The further you go in the senior school, the more difficult it becomes to change that direction. That is why the very best advice is to *keep as broad a range of subjects for as long as possible*.

When selecting your subjects, answer these questions:

- ***What qualifications do I want to gain while I am at school?***
Check the Qualifications section of this handbook.
- ***What qualifications and subjects do I need for tertiary study and / or for the work I hope to do when I leave school?***
Access the Careers Services website on <http://www.careers.govt.nz/> and talk with Mrs McConchie, the Careers Advisor. You must ensure that you consider your possible future career path carefully.

Also, check the Subject Requirements and Recommendations for Careers section of this handbook.
- ***What subjects do I enjoy?***
Reflect on the subjects you have studied already and take time to read the Subject Descriptions either in this handbook or on the Rosehill College website.
- ***Will I have a good chance of success in each of these subjects?***
Think about your previous results to be sure that you can cope with the subjects you choose.
- ***Do I have the prerequisites for these subjects?***
Course completion this year ie the submission of all assessments, is a requirement for entry into courses next year. Check the specific Entry Requirements for each subject.
- ***What does this subject lead to?***
Study the Rosehill College Curriculum Map and the descriptions of where each course leads. You need to be sure that the course you select leads on to a full range of other subjects, so that there is coherence about what you study in the senior school.
- ***Have I met the requirements for my year level?***
Check the Year Level Requirements section of this handbook.
- ***Have I discussed my choices with my parent(s)/caregiver(s) and teachers - tutor teacher, subject teachers, and Head of House?***
Before a course is confirmed it must be approved by your parent/caregiver, Tutor Teacher and/or Head of House and, if entry requirements have not been met, by the relevant HOD.



Numeracy and Literacy Requirements for Year 11 Students

Literacy requirement for 2012 onwards

Minimum of 10 credits through either:

- Achievement standards - Specified achievement standards available through a range of subjects, listed in the table below (minimum total of 10 credits)

OR

- Unit standards - package of three literacy unit standards (total of 10 credits - **all** three required). These will be offered in a specific course that students will be directed to if necessary.

Numeracy requirement for 2012 onwards

Minimum of 10 credits through either:

- Achievement standards - Specified achievement standards available through a range of subjects, listed in the table below (minimum total of 10 credits)

OR

- Unit standards - package of three numeracy unit standards (total of 10 credits - **all** three required). These will be offered in a specific course that students will be directed to if necessary.

Subject	Literacy	Numeracy
Accounting	Y	
Business Studies	Y	
Dance	Y	
Drama	Y	
Economics	Y	
English	Y	
Geography	Y	
Health	Y	
History	Y	
Home Economics	Y	
Mathematics and Statistics		Y
Music	Y	
Physical Education	Y	
Science		Y
Social Studies	Y	
Technology (Generic)	Y	
Te Reo Māori	Y	
Visual Arts	Y	



Senior School Subjects and Subject Codes 2012

Year 11 Subjects and Codes

SUBJECT	CODE	PAGE
Accounting	11ACC	39
Advanced Music	11ADM	36
Advanced English	11ENA	41
Advanced Mathematics	11MAA	51
Advanced Physical Education & Health	11PEA	53
Advanced Science	11SCA	56
Bridging English	11ENB	41
Dance	11DAN	35
Drama	11DRA	35
Economics	11ECO	39
Employment Skills and Keyboarding	11ESK	39
English	11ENG	41
English for new Students to New Zealand	11REC	43
English for Speakers of Other Languages	11ESL	43
Food and Nutrition	11FDN	59
Food Technology	11TEF	60
French as a Second Language	11FRE	48
General Science	11SCG	57
Geography	11GEO	45
German as a Second Language	11GER	48
Graphics and Design	11GDE	59
Health Education	11HEA	53
History	11HIS	45
Introductory Workshop Practice	11IWP	59
Mathematics	11MAT	51
Bridging Mathematics	11MAB	51
Mathematics Applied	11MAP	51
Music	11MUS	36
NZASE Science	11SCN	57
Photography and Design	11PHD	37
Physical Education	11PED	53
Social Studies	11SOC	46
Science	11SCI	56
Spanish as a Second Language	11SPA	49
Technology	11TEC	60
Te Reo Maori	11MAO	48
Textiles	11TEX	60
Visual Art	11ART	36



Year 12 Subjects and Codes

Information about these courses can be found in the Course Information Booklet for Years 12 and 13 available to look at in the Library, from your Tutor teacher or on Rosnet.

Courses available	CODE
Accounting	12ACC
Advanced English	12ENA
Advanced Mathematics	12MAA
Art History	12ARH
Automotive Engineering	12AEN
Biology	12BIO
Business Communications	12BCM
Business Studies	12BUS
Chemistry	12CHE
Classical Studies	12CLS
Communication English	12ENC
Computer Studies	12CST
Computer Technology	12CTY
Creative Pattern-making and Design	12PDN
Dance	12DAN
Design	12ARD
Drama	12DRA
Economics	12ECO
Electronics	12ELN
English	12ENG
English for Speakers of Other Languages	12ESL
English for University Entrance	12EUE
Financial Administration	12FAD
Food and Nutrition	12FDN
Food Technology	12TEF
French as a Second Language	12FRE
Geography	12GEO
German as a Second Language	12GER
Graphics and Design	12GDE
Health	12HEA
History	12HIS
Hospitality 1	12HO1
Hospitality 2	12HO2
Information Management	12IMT
Japanese as a Second Language	12JPN
Mathematics 1	12MAT1
Mathematics 2	12MAT2
Media Studies	12MED
Music	12MUS
Painting	12PAI
Performing Arts Technology	12PAT
Photography	12PHO
Physical Education: Sports Education	12PED
Physical Education: Sports Leadership	12PEL
Physical Education: Outdoor Education	12PEO



Year 12 Courses and Codes Continued

Courses	CODE
Physics	12PHY
Printmaking and Sculpture	12PSC
Precision Engineering	12PNG
Spanish as a Second Language	12SPA
Sports Leadership	12PEL
Technology	12TEC
Te Reo Maori	12MAO
Tourism A	12TOA
Tourism B	12TOB
Trade Skills A	12TSA
Trade Skills B	12TSB

Year 13 Subjects and Codes

Information about these courses can be found in the Course Information Booklet for Years 12 and 13 available to look at in the Library, from your Tutor teacher or on Rosnet.

Note that there is only one Scholarship standard for the Visual Arts although students may submit work from multiple contexts.

Courses available	CODE
Accounting^	13ACC
Automotive Engineering	13AEN
Biology^	13BIO
Business Studies	13BUS
Chemistry^	13CHE
Classical Studies^	13CLS
Communication English	13ENC
Computer Literacy for Beginners	13CLB
Computer Technology	13CTY
Dance^	13DAN
Design^	13ARD
Drama^	13DRA
Economics^	13ECO
Electronics	13ELN
English^	13ENG
English for Speakers of Other Languages	13ESL
English for University Entrance	13EUE
French as a Second Language^	13FRE
Geography^	13GEO
German as a Second Language^	13GER
Graphics and Design^	13GDE
History^	13HIS
History of Art^	13ARH
Hospitality	13HOS
Information Management	13IMT
Japanese as a Second Language^	13JPN
Mathematics with Calculus^	13MAC
Mathematics - Statistics and Modelling^	13MAS
Media Studies^	13MED
Music^	13MUS



Year 13 Courses and Codes Continued

Course	CODE
Painting^	13PAI
Photography^	13PHO
Physical Education^	13PED
Physical Education: Sports Leadership	13PEL
Physical Education: Outdoor Education^	13PEO
Physics^	13PHY
Precision Engineering	13PNG
Printmaking^	13PTM
Science^	13SCI
Sculpture^	13SCU
Spanish as a Second Language^	13SPA
Te Reo Maori^	13MAO



Year Level Course Requirements 2012

Requirements for Year 11 Students

Year 11 students are in their third year of secondary schooling. They **must** select a course in **each** of these Learning Areas: **English, Mathematics** and **Science**. The actual course in each of these subjects will be confirmed on the basis of the Student's Year 10 results. They must then select **three** other courses.

Year 11 students must ensure they select courses at an appropriate level of difficulty:

- All Year 11 courses are assessed by achievement and/or unit standards and earn credits towards NCEA Level 1 and, in some cases, another National Certificate. To achieve NCEA Level 1, students need 80 credits.
- To gain NCEA Level 1 students must achieve 10 literacy and 10 numeracy credits.
- Year 11 students intending to go to university should note that the Common University Entrance Standard requires a minimum of 14 credits in Maths at Level 1.

Requirements for Year 12 Students

Year 12 students are in their fourth year of secondary schooling. They must select a full year **English** course and **five** other full year courses. **There is no Study.**

Year 12 students must ensure they select courses at an appropriate level of difficulty:

- Most Year 12 students will study courses that are assessed by achievement and/or unit standards and earn credits towards NCEA Level 2 and, in some cases, another National Certificate.
- To gain NCEA Level 2, students need 80 credits, 60 of which must be at Level 2.
- A number of Year 12 students will select courses at other year levels, depending on previous successes and choices.
- Year 12 students intending to go to university should note that the Common University Entrance Standard requires a minimum of 14 credits at Level 1 or higher in Mathematics plus a minimum of 8 credits at Level 2 or higher in English or Te Reo Maori - 4 of these credits must be in reading and 4 must be in writing - see page 13.
- Year 12 students, who intend going to university are advised to take **five** courses listed as University Entrance approved subjects on page 13.

Requirements for Year 13 Students

Year 13 students are in their fifth year of secondary schooling. They must select **five** full year courses. They may choose Study for **one** block.

Year 13 students must ensure they select courses at an appropriate level of difficulty:

- Most Year 13 students will study courses that are assessed by achievement and/or unit standards and earn credits towards NCEA Level 3 and, in some cases, another National Certificate.
- To gain NCEA Level 3, students need 80 credits, 60 of which must be at Level 3, and 20 credits at Level 2 or above.
- A number of Year 13 students will select courses at other year levels, depending on previous successes and choices.
- Some Year 13 students may consider studying towards the Scholarship standards – see page 9 for details of the New Zealand Scholarship. The subjects with Scholarship standards are indicated on page 5 & 6. Students should express their interest in sitting these external exams to subject teachers at the beginning of the year.
- Year 13 students intending to go on to university must note that the Common University Entrance Standard requires a minimum of 14 credits at Level 1 or higher in Mathematics plus a minimum of 8 credits at Level 2 or higher in English or Te Reo Maori - 4 of these credits must be in reading and 4 must be in writing - see page 14. In addition, many tertiary courses have limited entry requirements – see pages 14 – 21.
- Year 13 students, who intend going to university are advised to take **five** courses listed as University Entrance approved subjects on Page 13.



Entry Requirements for Senior Subjects

In each senior subject description, on pages 27-60, departments have specified how the following school-wide procedures for entry will be applied. Students can find this information under the headings:

Entry Requirements:

This course leads to:

Entry Requirements for NCEA Level 1

Year 10 students have automatic entry into NCEA Level 1 courses. However:

1. The HODs of Mathematics, Science, English and Physical Education & Health will recommend that Year 11 students study a particular NCEA Level 1 course, in accordance with individual learning needs and based on results gained in Year 10.
2. Students wishing to take a second language or Te Reo Maori, Music, Art or Drama must demonstrate prior learning **or** have HOD approval.

Entry Requirements for NCEA Levels 2 & 3

To proceed from a Level 1 or 2 course assessed by achievement standards to a Level 2 or 3 course assessed by achievement standards, students must meet the following entry requirements:

1. A student must have achieved between 50-55% of the credits available in the previous course or a specified related course. Pre-enrolment for a course will be determined from internal achievement standards results and from the results gained in school-based assessments for external standards assessed in the Term 3 examinations. Enrolment for a Level 2 or 3 course will be confirmed by the results of the NZQA external examinations. Students who do not gain the required credits from the external examinations in November will require approval from the HOD to enroll in the subject.
2. Heads of Departments may also specify particular Achievement Standards in which a student must have gained 'Achieved' in a summative assessment.
3. A student must have submitted all assessments in this year's course.
4. If a student does not meet the above requirements they may seek the approval of the Head of Department to enter a Level 2 or 3 course.
5. Entry to advanced courses is by invitation. It will be expected that students will have achieved at the Merit or Excellence level in the achievement standards offered in the previous course.
6. If a student failed to meet the requirements specified in 1 or 3 above for a particular subject, decisions about their entry into Level 2 or Level 3 course may be reviewed by the Head of Department at re-enrolment.



Qualifications Offered at Rosehill College

The National Certificate of Educational Achievement – NCEA

NCEA Levels 1 – 3

For a student to be awarded NCEA Level 1 they must achieve 80 credits. Of these, eight credits must be in literacy standards and eight credits in numeracy standards.

For a student to be awarded NCEA Level 2 they must achieve:

- 60 credits at level 2 or above; plus
- 20 credits at any level, even if gained for another National Qualification.

There are no literacy or numeracy requirements for this qualification

For a student to be awarded NCEA Level 3, they must achieve:

- 60 credits at level 3 or above; plus
- 20 credits at level 2 or above, even if gained for another National Qualification.

Achievement Standards

In many subjects, student achievement is assessed through **Achievement Standards**, which identify the national standards students must achieve. Some are internally assessed by subject teachers during the year and others are assessed by external examination at the end of the year. There are four possible grades students can be awarded: Not Achieved, Achieved, Merit or Excellence. Each Achievement Standard is typically worth about 3 – 5 credits and there are approximately 24 credits per subject.

Unit Standards

Subjects that do not have Achievement Standards are assessed through **Unit Standards**. Some subjects have a mix of both Achievement Standards and Unit Standards. The two possible grades students can be awarded are either Not Achieved or Achieved. Like Achievement Standards, Unit Standards have a credit value that counts towards the NCEA. Unit Standards are all internally assessed.

NQF/NCEA Results

In January, NZQA issues students who have paid the NCEA entry fee with a Report for each subject. On it is recorded:

- The Achievement Standards and/or Unit Standards the student entered
- The credit value of each
- Whether they are internally or externally assessed
- The grade achieved
- The number of credits gained in each standard

If **50 credits at Excellence** are gained, the NCEA will be endorsed with **Excellence**. Likewise, if **50 credits at Merit (or Merit and Excellence)** are gained, the NCEA will be endorsed with **Merit**.

14 credits at Excellence can gain a subject endorsement with **Excellence**. Likewise, **14 credits at Merit (or Merit and Excellence)** can gain a subject endorsement with **Merit**.

If students do not achieve internal assessments for unit or achievement standards, this will be reported on their annual Result Notices, ie **Not Achieved**.

NCEA Entry Fees

NZQA publishes the entry fee early each year. In 2011 it is \$76.70. This is payable to Rosehill College by the end of August each year. It may be paid by AP but must be paid in full by the due date.



Financial assistance

To be eligible for financial assistance the person applying (normally the parent or guardian of the candidate but may be the candidate themselves if they are a beneficiary) must be the fee payer and meet at least ONE of the following criteria:

- For a **benefit-based application** the fee payer must be receiving a Work and Income (WINZ) or Study Link benefit, or have a Community Services Card.
- For an **income-based application** fee payer must be eligible for a Community Services Card (but do not currently have one).
- For a **multiple candidate application** fee payer must have two or more children (2) taking these qualifications in the same year, regardless of income.

Application forms are available from the Student Office.

Note that financial assistance is **not** available to foreign fee paying candidates.

Record of Achievement

As well as issuing a Report for each subject and any certificates achieved, NZQA also provides students with a Record of Achievement. It lists all standards achieved, along with levels, credits and dates, as well as certificates gained. It also lists any Scholarships gained by a candidate.

Scholarship

Some Level 3 subjects have a scholarship standard which students can enter. These subjects are indicated by ^ on pages 6 & 7. To enter scholarship, students use the Level 3 subject content but are expected to synthesise and integrate concepts. Hence, the standard of achievement expected for Scholarship is very demanding. All scholarship standards are externally assessed. Scholarship does not attract credits or contribute towards a qualification. It is purely a monetary award designed to recognise the very top students in the country. The 2009 monetary awards were: Premier Awards: \$10,000 a year for three years for the top 5 – 10 students
Outstanding Scholar Award: \$5,000 a year for three years awarded to 40 - 60 students
Scholarship Award in 3 subjects: \$2,000 a year for three years
Top Scholar in each Scholarship subject: \$2,000 a year for three years
Single Subject Scholarship: a one off payment of \$500.00 per subject for candidates who get 1 or 2 Scholarship subjects

Where a candidate meets the criteria for more than one award, he or she will receive only the award of the highest monetary value in most circumstances.

Other National Certificate Qualifications

In addition to the NCEA, there are a wide variety of other National Certificates students can achieve at Levels 1, 2 and 3. At Rosehill College, it is possible for students to gain credits towards a number of these. **They are described in the following boxes:**

The National Certificate in Building, Construction, and Allied Trade Skills Level 2

To achieve this qualification, Year 12 & 13 students must study the following **two** full-year courses, which are assessed by unit standards:

12TSA – Trade Skills A

12TSB – Trade Skills B

The National Certificate in Business Administration and Computing Level 2

To achieve this qualification, Year 12 & 13 students must study the **three** following full-year courses, which are assessed by unit standards:

12FAD – Financial Administration

12BCM – Business Communications

12TIM – Text and Information Management



The National Certificate in Tourism (Introductory Skills) Level 2

To achieve this qualification, eligible Year 12 & 13 students must study the **two** following full-year courses, which are assessed by unit standards:

12TOA – Tourism A

12TOB – Tourism B

The National Certificate in Mathematics Level 1

To achieve this qualification a minimum of 40 credits at Level 1 or above is required. A minimum of 30 credits is required from unit and/or achievement standards in mathematics and Statistics and Probability. Students must study **Mathematics** courses to gain the required credits.

The National Certificate in Mathematics Level 2

To achieve this qualification a minimum of 40 credits at Level 2 or above is required. A minimum of 30 credits is required from unit and/or achievement standards in mathematics and Statistics and Probability. Students must study **Mathematics** courses to gain the required credits.

NZIM Certificate in Management

The NZ Institute in Management is an organisation which promotes education in management and business related areas.

The Aims of the Certificate

The Certificate in Management provides participants with:

- knowledge and skills in personal, workplace and enterprise management
- practical experience in using their learning in simulated and real enterprise settings
- the ability and confidence to transfer their learning into their future lives.

Links to NCEA

The Certificate in Management is an introductory level certificate taught through secondary schools. The NZIM Certificate in Management has been granted credit inclusion of 10 credit equivalents per paper, for the National Certificate of Educational Achievement at Level 2 and Level 3 up to a maximum of 80 credits. If the full eight courses are not completed at school, the student may complete the Certificate at a polytechnic or private training establishment.

Course Description:

The Certificate in Management is an eight paper programme comprising four compulsory courses (List A) and four further courses chosen from 12 optional papers (List B).

Papers offered at Rosehill College:

List A papers:

802 Introduction to Marketing	(13 Business)
805 Introduction to Management	(13 business)
812 Workplace Communication	(12 Business Studies)
836 Enterprise Research Project	(through participation in the Young Enterprise Scheme)

List B papers: These can be achieved by cross credits from specific NCEA papers;

806 Applied Economics	(12 Economics)
808 Introduction to Accounting	(12 Accounting)
811 Introduction to Computing	(12 Business)
814 Business Statistics	

More information on these papers can be found in the Business Education section under 12 and 13 Business Studies



Extramural University Study

Year 13 students may enrol extramurally in one university paper through Massey University. The student must have an entrance qualification. Applications for Provisional Entrance must be made by December 15th. The school must endorse a student's application.

University Entrance Requirements from 2014

New UE requirements from 2014 – these apply to students in Year 11 in 2012
Achievement of NCEA Level 3
14 credits in each of three subjects from the list of approved subjects
UE numeracy – 10 credits at level 1 or above from specified achievement standards or three specific numeracy unit standards
UE literacy – 10 credits (five in reading and five in writing) from <ul style="list-style-type: none">• specific level 2 and above achievement standards, or specific Te Reo Māori and Te Reo Rangatira level 2 and above standards, or• two specific level 4 English for academic purposes unit standards, or• an academic literacy common assessment tool (CAT) at level 3 (no credit value, run by NZQA).



University Entrance

Here is the **minimum** you need to achieve in NCEA to qualify for University Entrance

Level 3 (or above) 42 credits	Approved subject A (14 credits)	Approved subject B (14 credits)	No more than 2 domains or approved subjects (14 credits)
Level 2 (or above) 8 credits	Approved reading (4 credits)	Approved writing (4 credits)	
Level 1 (or above) 14 credits	Maths (14 credits)		

The 14 credits at Level 3 in both Subject A and Subject B **must** be in **approved subjects** – see the list of approved subjects taught at Rosehill College. The final 14 credits at Level 3 can be from no more than two additional domains on the National Qualifications Framework **or** two approved subjects.

The 8 credits at Level 2 Reading and Writing need to be from the NZQA approved list of Standards – see the **literacy list** below for requirements.

University Entrance represents the minimum entrance to University and does not guarantee you a place. Some courses are limited entry and have additional requirements – make sure you find out what these are!

Approved Subjects taught at Rosehill College

Accounting

Biology

Chemistry

Classical Studies

Computer Technology

Dance

Design (Practical Art)

Drama

Economics

English

French

Geography

German

Graphics

History

History of Art

Mathematics with Calculus

Statistics and Modelling

Media Studies

Music

Painting (Practical Art)

Photography (Practical Art)

Physical Education (PED and PEO)

Physics

Printmaking (Practical Art)

Science

Spanish

Sculpture (Practical Art)

Te Reo Maori

The NZIM Certificate in Management and Certificate in Small Business can fulfil UE requirements under the third set of 14 credits. **However**, it is important to note that the University of Auckland, due to restricted entry, **will not accept** students with these credits. Students using these credits for entry to other universities need to apply for 'ad eundem status' and need to see Mrs McConchie as soon as possible.

Literacy List

The English standards (plus number of credits) fulfilling the literacy requirements are:

Reading: 90721 (3), 90722 (3), 90723 (3), 90724 (3), 90726 (4), 90377 (3), 90378 (3), 90379 (3), 90380 (3), 90381 (3), 8834 (6), 8823 (4), 12427 (4), 12428 (4), 12430 (3), 12429 (3), 12905 (4), 12419 (4), 12420 (4), 12421 (3), 12422 (3)

Writing: 90720 (4), 90721 (3), 90722 (3), 90723 (3), 90726 (4), 90375 (3), 90376 (3), 90377 (3), 90378 (3), 90379 (3), 90381 (3), 8841 (6), 8842 (6), 8835 (6), 8825 (5)



University Courses with Limited Entry

Applicants for Limited Entry courses need to achieve the Common Entry Standard stated above **plus** additional requirements specified for the course. The **University of Auckland** has a separate list of subjects – ‘Table A and Table B’ – see below. All are Approved subjects. If you are thinking of attending the University of Auckland it is essential that you check the degree requirements and make sure you take the appropriate subjects from Table A and Table B. The Universities of Auckland, Massey, Otago and Victoria rank students for entry on their 80 best credits in **APPROVED SUBJECTS ONLY**. The rank score will be calculated by awarding four points for Excellence, three for Merit and two for Achieved for up to 24 credits in each approved subject taken at Level 3 in the last two years. The maximum available score is 320. University of Auckland prospectus’ are available in the Careers Room or online at www.auckland.ac.nz

International Students:

International students applying to The University of Auckland on the basis of NCEA will need to gain the University Entrance Standard and will also be ranked according to their best 80 credits at NCEA Level 3, from up to five subjects on the approved NZQA list. **International students will be required to achieve a higher rank score than domestic students.**

TABLE A	TABLE B
Classical Studies	Accounting
English	Biology
Geography	Chemistry
History	Economics
History of Art	Mathematics with Calculus
Te Reo Maori OR	Physics
Te Reo Rangatira	Statistics and Modelling

Subject Requirements and Recommendations for Careers

FOR COURSES AT THE UNIVERSITY OF AUCKLAND CHECK TABLE A AND TABLE B ABOVE FOR SUBJECTS.

Students planning on attending University are strongly advised to choose a course that enables them to study five approved subjects in Year 13. They need to think ahead and check on the curriculum map to ensure they are making the right choices.

This is a guide for recommended subjects only. Each Tertiary Provider will have different entry criteria so you need to check carefully. For careers not on this list or for more specific details, visit the Careers Room or look on <http://www.careers.govt.nz/> or at individual Institute’s websites.

University of Auckland: www.auckland.ac.nz

AUT University: www.aut.ac.nz

Waikato University: www.waikato.ac.nz

Massey University: www.massey.ac.nz

Victoria University of Wellington: www.vuw.ac.nz

Canterbury University: www.canterbury.ac.nz

Lincoln University: www.lincoln.ac.nz

Otago University: www.otago.ac.nz

Manukau Institute of Technology: www.manukau.ac.nz

Unitec: www.unitec.ac.nz

If you are considering studying at an overseas University, ensure that you know what subjects are required to meet their entrance qualifications. A good starting point is <http://www.braintrack.com>



Career/Course	Background Subjects Required
Accountancy	See Business/Commerce
Advertising	See Business/Commerce or Communications
Agriculture/ Horticulture	Degree available at Massey, Lincoln: A good Science background recommended – At least one of L3 Biology, Chemistry, Physics, Mathematics, Science. English also useful. Common University Entrance standard required. MIT offers a range of courses that are open entry and lead to further study at Diploma level.
Applied Science Degree	AUT University offers majors in Analytics, Astronomy, Applied Maths, Applied Chemistry, Applied Microbiology, Aquaculture, Computer Science, Food Science, Health Protection, Environmental Studies. Common University Entrance. Preferred subjects at Level 3 are Biology, Chemistry, Statistics and Modelling, Calculus or Geography. Entry to university does not guarantee admission to a specific programme of study. AUT also offers a pre degree Certificate in Applied Science which leads to degree level study at AUT. Need completion of Year 12. Otago University offers majors in Applied Geology, Aquaculture and Fisheries, Computational Modelling, Design for Technology, Electronics, Energy Management, Environmental Management, Food Innovation, GIS, Molecular Biotechnology, Software Engineering, Sport and Exercise Nutrition, Telecommunications. Useful subjects (depending on chosen major) include Level 3 Statistics and Modelling, Biology, Physics, Chemistry and Maths with calculus. Common University Entrance. Check prospectus. Unitec offers majors in Biodiversity Management and Animal Management and Welfare. UE required.
Apprenticeships	Many trades require completion of pre-trade or foundation courses at Polytechnics. Applicants should have achieved in at least three NCEA Level 1 subjects. English, Mathematics and Science are recommended. Check for individual trade requirements. www.modern-apprenticeships.govt.nz
Architecture	A broad-based course of study in senior school. Mathematics (Calculus), Physics, English useful. Level 3 Painting, Design or Graphics advantageous, as a portfolio of Artwork can be required. Degree at University of Auckland: UE required plus a minimum of 16 credits in one subject from Classical Studies, English, Geography, History, History of Art, Te Reo Maori and a minimum of 16 credits in one subject from Accounting, Biology, Chemistry, Economics, Statistics and Modelling, Maths with Calculus or Physics. Portfolio required and maybe an interview. Limited entry-students are ranked on their best 80 credits in NCEA Level 3 approved subjects. Degree at Unitec UE required. Degree at Victoria: Common University Entrance Standard required plus at least 14 Level 3 credits in two of Maths with



Calculus, Statistics and Modelling or Physics. Recommended subjects are some of Maths, Physics, English, Art Design, Art, Graphics. No portfolio needed. Limited entry-students are ranked on their best 80 credits in NCEA Level 3 approved subjects. Selection into second year is based on academic performance in first year. **Unitec** also offers the National Diploma in Architectural Technology which requires 35 L2 credits in three subjects.

Armed Forces

Officers: At least Common University Entrance Standard required.

Pilot: At least 18 Level 2 credits in English, Maths and a Science subject, preferably Physics. Check <http://www.stepup.mil.nz/jobs-in-the-rnzaf/browse-jobs/aircrew/pilot/default.htm> for further requirements.

Apprenticeships and Combat Trades: Entry varies depending on trade – essential to check websites careers sections for specific entry details. NCEA Level 1 achievement in English, Mathematics and Science minimum required. Websites: www.army.mil.nz or www.navy.mil.nz or www.airforce.mil.nz

Art and Design Courses

Degree: Common University Entrance Standard required plus portfolio and interview. Check for details. **Degree at University of Auckland** – students are ranked on their best 80 credits in NCEA Level 3 approved subjects plus portfolio and interview. **AUT University** offers majors in Digital, Fashion, Graphic, Spatial and Product Design as well as Textiles for Fashion. Requires minimum of UE, portfolio and interview. Aim for high grades. AUT also offers a Certificate in Art and Design Intermediate which can prepare students for degree level study at AUT. Applicants need 48 Level 2 credits including 8 Level 1 credits in language rich subjects. **Massey University:** selected entry based on academic record and portfolio. Majors in Fashion, Fashion Design and Business, Industrial, Photographic, Spatial, Textile, Visual Communication Design. Offered in Wellington. **Unitec:** Offers majors in Contemporary Craft, Graphic Design, Animation, Interior Design, Photography, Product Design, Furniture Design and Fine Arts. Need UE. Also offer Certificates requiring 4 years secondary education and 12 credits in at least 2 subjects at L1. The Diplomas require UE. **MIT** offers Certificate and Diploma level courses in Digital Design, Photography and Jewellery. **Diploma / Certificates** in general require Level 2 Art, Design, Graphics all useful. Definite need for some art subjects at school. Check individual course requirements.

Automotive (Mechanic)

MIT: pre apprenticeship course requires 3 years secondary education or Apprenticeship see www.modern-apprenticeships.govt.nz. Unitec also offers courses in Auckland.

Aviation

Massey University offers a Degree in Aviation - Level 3 Mathematics with Calculus, Physics and English recommended. Also aptitude test, simulator assessment, selection interview, writing tasks - which include English, Mathematics, Physics & Navigation assessments, Medical Certificate.

Beauty Therapy

Variety of training providers. **MIT** requires 52 Level 2 credits in 4 subjects. English and Biology useful.



- Biomedical Science** Biology, Chemistry, Maths with Calculus, Statistics and Modelling and Physics are useful. Common University Entrance. **University of Auckland** very competitive – ranked on 80 best credits in approved subjects – currently 239 rank score. **Victoria University-** ranked on 80 best credits in approved subjects. Biology, Chemistry, Maths with Calculus, Statistics and Modelling are recommended. Specialisations in Human Genetics, Molecular Pathology and Molecular Pharmacology and Medicinal Chemistry.
- Broadcasting - see Communications as well.** **Degree at CPIT (Christchurch):** UE plus audition and interview. Check www.careers.govt.nz for other providers at Diploma and certificate level. Need a clear speaking voice.
- Building/Carpentry** NCEA Level 1 English, Mathematics, IWP and Graphics are useful or Apprenticeship see www.modern-apprenticeships.govt.nz.
- Building Science degree** **Victoria:** Useful subjects are L3 Maths with Calculus, Physics, English, Technology and one subject from a creative area such as Art, Design or Graphics are recommended. Can do introductory courses if no Maths, Physics at Level 3. No portfolio required. Entry into second year is based on academic performance in first year. Ranked on 80 best credits in approved subjects. **Unitec: Construction Management Degree** University Entrance plus 12 credits in L2 Maths. **Massey:** At least one Maths or Science studies to L3 recommended otherwise summer school necessary.
- Business/Commerce (Accountancy, Economics, Management, Marketing, Tourism)** Majors depend on which University you attend – check prospectus'. **Degree:** a broad range of subjects recommended but especially Statistics and Modelling. **University of Auckland:** Common University Entrance Standard required plus a minimum of 16 credits in each of three subjects from Classical Studies, English, Geography, History, History of Art, Te Reo Maori, Accounting, Biology, Chemistry, Economics, Statistics and Modelling, Maths with Calculus or Physics. Limited entry-students are ranked on their best 80 credits in NCEA Level 3 approved subjects – currently rank score of 165. **AUT University** requires the minimum criteria for university entrance but preference will be given to those with the highest levels of achievement. Entrance to University does not guarantee admission to a specific programme of study. AUT also offers a pre degree level study at AUT. **MIT** requires 56 credits at Level 3. **Waikato:** Common University Entrance plus 14 L3 credits in English or Maori or History (incl AS90658) or Classics (incl AS90513) and Maths with Calculus or Statistics and Modelling recommended. See prospectus' for other providers. **Diploma:** **MIT** requires 50 credits at Level 2 in 3 subjects including Level 2 Literacy credits.
- Childcare (Nanny)** Level 2 in general subjects including English. Training providers have varying entry requirements. **MIT** Certificate in Early Childhood requires strong motivation to work with young children and Police clearance. Must be 17 by end of programme. NOTE: Kindergarten/Early Childhood teachers require University Entrance. See Teaching.



Communications	<p>AUT Competitive entry. Majors in Advertising Creativity, Creative Industries, Digital Media, Journalism, Public relations, Professional Communications, Radio and Television. University Entrance – preference to those with a minimum of 60 NCEA Level 3 credits over four subjects (with at least three subjects from the approved list) including a minimum of 18 NCEA Level 3 credits, preferably including some MERITS or EXCELLENCES in any one of English, History, Geography, Classical Studies, History of Art or Media Studies. AUT also offers a pathway Certificate in Communication Studies for students who do not meet the required standard for the degree. Students need at least 48 NCEA Level 2 credits plus 8 Level 1 credits in language rich subjects. Language rich subjects include English, History, Geography, Classical Studies, History of Art or Media Studies, Economics, Te Reo, Physical Education, Drama, Social Studies. Waikato University: Majors – Management Communication, Marketing Communication and Public Relations. Need UE plus 14 credits in one of L3 English, Maori, Media Studies, History (incl AS3.5) or Classical Studies (incl 3.3). Massey University: Majors in Communication Management, Journalism, Marketing Communication, Public Relations, Expressive Arts, Linguistics and Media Studies. Students are ranked on their 80 best credits in NCEA Level 3 approved subjects. MIT offers a range of programmes from certificate to degree level. The Diploma requires at least 64 L2 credits with at least one language rich subject. The Degree requires UE. Unitec offers majors in Event Management, International Communications, Media Studies and Public Relations Require UE. They also offer a Certificate in Communications and Media Studies</p>
Computer Programmer	<p>MIT asks for at least 56 credits at Level 3 in approved subjects. University of Auckland students are ranked on their best 80 credits in NCEA Level 3 approved subjects. Mathematics, English, Computer Technology useful. AUT University – Common University Entrance plus at least 14 credits in Level 2 Maths.</p>
Dance	<p>AUT University requires UE, audition, interview and Police clearance. University of Auckland requires UE (ranked on 80 best credits), CV, interview, audition. Unitec requires UE and audition. Also Certificate available through Excel School of Performing Arts – audition required but no minimum academic requirements, although formal qualifications are advantageous.</p>
Dentistry	<p>See Health Sciences.</p>
Dental Technology	<p>University of Otago: Chemistry, Biology, Physics, one Maths subject, an English rich subject plus Art can be useful. Common University Entrance.</p>
Design	<p>See Art and Design</p>
Dietitian/Dietetics/ Human Nutrition	<p>To become a Dietitian you need a Bachelor of Science (BSc) or a Bachelor of Consumer and Applied Sciences, majoring in Human Nutrition and Food Service Management. You also need to have a Postgraduate Diploma in Dietetics. Otago University: Common University Entrance with Chemistry and Biology, Statistics and Modelling useful.</p>



**Draughting
Architectural
Technology**

**Engineering
(Chemical, Civil,
Electrical,
Electronics,
Computer Systems,
Mechanical,
Environmental)**

Unitec offers the National Diploma in Architectural Technology which requires 35 L2 credits in three subjects.

Wide range of courses available - **essential** to check prospectuses. **Degree: University of Auckland** requires Common Entrance Standard and 18 credits at least in Maths with Calculus **and** Physics. Limited entry-students are ranked on their best 80 credits in NCEA Level 3 approved subjects – currently rank score of 240. Majors in Biomedical, Chemical and Materials, Civil and Environmental, Computer Systems, Electrical and Electronic, Engineering Science, Mechanical, Mechatronics, Software Engineering. **Waikato** majors in Chemical and Biological, Electronics, Materials and Processes, Mechanical and Software Engineering. Requires Level 3 credits in Physics (not for Software Engineering) and either Maths. Chemistry also required for Biochemical Engineering, Materials and Process Engineering and Mechanical Engineering. Common University Entrance the minimum-selection applies. **AUT University:** Electrical and Electronic, Biotronic and Mechanical. Need 14 credits at Level 3 in Maths with Calculus, 14 credits Level 3 in Physics and 14 credits at Level 3 from one of Accounting, Biology, Chemistry, Computing, Economics, English, Geography, Graphics, History, Science, Statistics and Modelling. AUT also offers the Certificate in Science and Technology which prepares you for study at degree level at the School of Engineering. Entry is 48 Level 2 credits plus 8 Level 1 credits in language rich subjects. Language rich subjects include English, History, Geography, classical Studies, History of Art or Media Studies, Economics, Te Reo, Physical Education, Drama, Social Studies. **Massey University** - 16 credits or more at NCEA Level 3 in each of Physics and Mathematics with Calculus, and, in addition, for the majors of Biotechnology, Chemical and Nanotechnology, Environmental Technology and Sustainable Energy, and Food Technology, 14 credits in Chemistry at NCEA Level 3. Also available at Canterbury University – majors in: Chemical and Process, Civil, Computer, Electrical and Electronic, Forest, Mechanical, Mechatronics, Natural Resources.

Victoria: Offers majors in Electronics and Computer Systems, Network and Software. Maths with Statistics or Calculus, Physics recommended otherwise bridging course needed. Ranked on 80 best credits in Approved subjects and entry to Year 2 competitive.

Canterbury requires L3 Maths with Calculus, Physics and Chemistry. **Unitec** requires 50 Level 3 credits for the Degree. Check for other institutes requirements. **Diploma: Unitec** requires a total of 48 credits in your best 4 subjects at Level 2, including Maths, Graphics and a Science subject. **AUT** asks for 14 credits at Level 2 in each of Maths, Physics and English. **MIT** requires Level 2 Maths and Physics plus Level 1 literacy. 48 credits at L2. MIT also offers a pre degree Engineering course designed to lead towards study at other Institutions. Need completion of Y13, L2 Literacy, L2 Maths and Physics.

Certificate: Minimum 3 years secondary education. Credits in Level 1 English, Science and Mathematics preferred.



Engineering Technology	AUT University: Bachelor of Engineering Technology Majors in Computer and Mobile Systems, Electrical, Electronics, Network and Communications, Mechanical. Requires UE plus 14 credits at Level 3 in Maths with Calculus OR Statistics and Modelling, 14 credits Level 2 in Physics and 14 credits at Level 3 from one of Accounting, Biology, Chemistry, Computing, Economics, English, Geography, Graphics, History, Science, Statistics and Modelling. MIT Bachelor of Engineering Technology. Major in Electrical. Require UE.
Electrician	NCEA Level 1 English, Mathematics, Science, minimum. Some providers require more.
Environmental Planning	Waikato offers specialisations in Coastal and Marine, Freshwater and Terrestrial. UE needed.
Environmental Studies	Degree: minimum University Entrance requirements – Geography, Biology, Statistics and Modelling are useful subjects. See also Engineering, Applied Science and Science.
Event Management	Available as a major in AUT University's BA Degree and Bachelor of International Hospitality Management. – Common University Entrance plus interview. Also available as a major in Unitec's Communication Degree.
Fashion Design	Degree AUT - Common University Entrance plus portfolio and interview. Art Design useful. Massey University ranked on 80 best credits in approved subjects. Portfolio.
Fine Arts	See Art and Design
Fitness Industry/Sport	Degree courses generally require minimum University Entrance. Auckland - entry to Sport and Exercise Science is competitive ranked on 80 best credits – current rank score of 190. PE at Otago very competitive - Level 3 Physical Education, Biology and Statistics and Modelling recommended. Must be studying five Level 3 approved subjects. Applicants are initially selected on their Year 12 NCEA results – aim for at least 80 Level 2 credits with a minimum of 16 credits in each of the top four subjects. AUT University: Requires UE including 14 credits at L3 in at least one subject from Health Education, Physical Education, Maths or Sciences and 14 Level 2 credits in English. MIT has an open entry Certificate course and a Diploma course requiring 42 L3 credits plus Level 2 Literacy. Unitec offers a Diploma in Sport and Fitness Education which requires 60 credits in your best L2 subjects. They also offer a Bachelor in Sport majoring in Coaching, Management and Physical Education. UE required.
Floristry	MIT offers an open entry Floristry course that leads on to a National Certificate.
Food Industry/Chef	NCEA Level 1 English, Mathematics, Science, Food Technology. 4 years secondary preferred. Variety of courses and providers. AUT University offers Diplomas in Culinary Arts and Patisserie which require 48 Level 2 credits with at least 8 credits in one of English, History, Geography, Classical Studies, History of Art, Media Studies, Economics, Physical Education, Drama or Social Studies.



Their Certificate in Practical Patisserie requires completion of Year 12 and an interview. **MIT** offers open entry Certificate courses that lead to a Diploma.

**Food
Technology/Science**

Degree: Level 3 Statistics and Modelling, Chemistry, Biology and English. At least minimum University Entrance required. **AUT University** Common University Entrance – preferred subjects at L3 Biology, Chemistry, Statistics and Modelling, Calculus or Geography. AUT also offers a pre degree Certificate in Applied Science which leads to degree level study at AUT. Need completion of Year 12. **University of Auckland** ranks on 80 best credits in approved subjects. Chemistry, Biology, Physics useful. **Lincoln University:** Offers Commerce Degree in Food Industry. **Otago University** Chemistry, Physics, Biology, Statistics and Modelling. **Massey University** - 16 credits or more at NCEA Level 3 in each of Physics and Mathematics with Calculus, and, in addition, for the majors of Biotechnology, Chemical and Nanotechnology, Environmental Technology and Sustainable Energy, and Food Technology, 14 credits in Chemistry at NCEA Level 3.

Forestry

Degree: Canterbury: Level 3 Chemistry, Biology, Statistics and Modelling are extremely useful. Year 13 Economics and English are recommended. Minimum University Entrance requirements at least. **Massey** (major in Applied Science degree) Common University Entrance. A good Science background is very useful. Ranked on 80 best credits in Approved subjects.

Furniture Making

Year 12 preferably. Useful subjects: Maths, Trade Skills

Graphic Design

See **Art and Design**.

Hairdressing

Year 11 required. English, Mathematics, Science, Art useful. Either course at Polytech or Apprenticeship.

**Health Sciences First
Year course – entry
into Medicine,
Pharmacy, Dentistry,
Physiotherapy or
Medical Laboratory
Technology**

Intermediate Year at Otago University: Chemistry, Biology, Physics plus two other subjects. All students are advised to include a Humanities subject (eg English, Classics, History). English is compulsory in the first year. Statistics and Modelling is useful as well.

Health Science degree at Auckland University: Common University Entrance Standard required plus need minimum of 18 credits in one of Classical Studies, English, Geography, History, History of Art or Te Reo Maori **plus** 18 credits from one of Biology, Chemistry, Maths with Calculus, Statistics and Modelling. Ranked on 80 best credits in Level 3 approved subjects. Biomed rank score currently 239, B Health Science currently 210.

Hospitality

Degree: Common University Entrance Standard required. No specific subjects but English, Mathematics, Economics, Accounting useful. Like previous experience in Hospitality industry. Perhaps interview. AUT University offers Bachelor of International Hospitality Management with majors in Accommodation, Event Management, Food and Beverage, Human Resources, Marketing, Tourism.

Diploma: Minimum of 48 credits at Level 2, including 8 Level 2



credits in a language rich subject, Language rich subjects include English, History, Geography, Classical Studies, History of Art or Media Studies, Economics, Te Reo, Physical Education, Drama, Social Studies.

Hotel Management	Degree: Common University Entrance Standard required.
Human Nutrition	Common University Entrance including Chemistry, Biology and one Maths.
Interior Design	See Art and Design .
Journalism	Degree: Common University Entrance Standard required as a minimum. Depends on course and institution. See also Communication Studies and Broadcasting. Need strength in English.
Law	Broad education at Yr 13, especially essay based subjects such as English, History, History of Art, Classics, Economics and Geography. University of Auckland – students are ranked on their best 80 credits in NCEA Level 3 approved subjects. Students must be offered a place in another Bachelors degree. Entry will be based on the guaranteed scores for the other Bachelors degree. AUT University requires UE with at least 60 Level 3 credits in 4 subjects, including at least 3 from the approved subject list. This should include a minimum of 18 credits at merit level or above in any one of Classical Studies, English, Geography, History, History of Art, Te Reo Maori, Te Reo Rangatira. Waikato requires Common University Entrance as a minimum but there will be a selection process. Aim for high grades! Canterbury and Otago UE into the first year. Entry into Year 2 is limited and very competitive. Victoria – students are ranked on 80 best credits in approved subjects.
Landscape Management	Massey: A good Science background is very useful – first year papers include Chemistry, Physics and Biology. Common University Entrance required.
Landscape Design / Architecture	Lincoln University – UE Unitec Degree – UE; Diploma: At least 48 four subjects at level 2 including at least a minimum of 12 NCEA credits in English at level 1.
Medical Laboratory Technology	Otago: see Health Sciences AUT University: Common University Entrance Standard required plus 14 credits at Level 3 in Biology, Chemistry and Statistics and Modelling. Massey: Chemistry, Biology and Maths to Level 3 – at least 14 credits in Level 3 Chemistry (and must have studies 20).
Medical Radiation Therapy/Medical Imaging	Unitec: Medical Imaging: Minimum of 42 credits at Level 3 or higher (Common University Entrance), including a minimum of 14 credits at Level 3 in English, Maths and one Science. Otago: Medical Radiation Therapy: Level 3 with one of History, Classics or English and either Statistics and Modelling or Maths with Calculus plus either Physics or Biology. Ranked on 80 best credits.



- Medicine** **University of Auckland:** Need to apply for year 1 of either the Bachelor of Health Science or BSc in Biomedical Sciences. UE plus need a minimum of 18 credits in **one** of Classical Studies, English, Geography, History, History of Art or Te Reo Maori **plus** a minimum of 18 credits in one of Biology, Chemistry, Accounting, Economics, Maths with Calculus, Statistics and Modelling, Physics. Biology and Chemistry recommended. Physics is useful. Ranked on 80 best credits in NCEA Level 3. Biomed rank score is currently 239. **Otago:** see Health Sciences.
- Midwifery** **AUT University** requires minimum of 14 credits at Level 3 or higher in Biology or Chemistry; 14 credits in Level 3 or higher in an English-language rich subject; a further 14 credits at Level 3 or higher in 2 additional subjects or domains in the National Qualifications Framework. Language rich subjects include English, History, Geography, Classical Studies, History of Art or Media Studies, Economics, Te Reo, Physical Education, Drama, Social Studies.
- Music** **Degree:** Common University Entrance Standard required plus level 3 Music (or approx Grade 7 theory) required. Audition required for Performance Courses. **University of Auckland** students are ranked on their best 80 credits in NCEA Level 3 approved subjects. Performance majors, Jazz, Performance and Popular Music require audition. **Waikato:** UE plus 14 credits L3 Music or 20 credits L2 Music. At least Grade 5 theory pass. Performance strands of Chamber, Performance, Performance Techniques and Western Music History. Require audition. **Victoria (NZ School of Music)** music required (about grade 5 theory). Classical Performance and Jazz must audition. Composition also available. **Otago University:** Majors in Musical Scholarship, Classical Performance, Contemporary Rock Performance, Composition and Song Writing, Music Technology, Popular Music and World Music. Auditions for Performance Music.
- Nautical Science and Seamanship** **MIT** offers a Certificate in Seamanship which requires at least 40 L2 credits. They also offer the Diploma in Nautical Science and the Diploma in Marine Engineering which require 48 L2 credits including 8 L2 English credits and 14 L2 credits in Maths and/or Physics. All require an eyesight and medical assessment.
- Nursing** A variety of Institutions offer Nursing. Common University Entrance Standard required plus **University of Auckland** requires a minimum of 16 credits in one of Classical Studies, English, Geography, History, History of Art **plus** minimum of 16 credits in one of Biology, Chemistry and Physics. Limited entry-students are ranked on their best 80 credits in NCEA Level 3 approved subjects – current rank score of 200. **AUT University** Common University Entrance including for 14 Level 3 credits in one Maths, or Science subject; 14 Level 2 credits in English: 14 Level 3 credits in a language-rich subject. Language-rich subjects include English, History, Geography, Classical Studies, History of Art or Media Studies, Economics, Te Reo, Physical Education, Drama, Social Studies. **MIT** Common University Entrance plus a



minimum of 12 Level 2 (or higher) credits in one of Biology, Chemistry and Physics. They also offer a pre degree nursing course.

Occupational Therapy

AUT University requires Common University Entrance Standard. Generally students with the highest level of academic achievement are selected. Minimum of 56 Level 3 credits in 3 approved subjects.

Otago Polytech: requires Common University Entrance Standard

Office Administration

Variety of courses and entry levels. Minimum is 12 credits NCEA English Level 1. Preferably Year 12.

Optometry

No direct entry from School. Students need to complete a first year in Science, consisting of Biology, Chemistry, Calculus, Statistics and Physics. These are recommended for Level 3.

Oral Health

AUT University Prepares students to be dental therapists and dental hygienists. Dental hygienists treat gum disease and help people to maintain good oral and general health. Dental therapists independently prescribe and administer oral health care to patients up to 18 years old, and provide periodontal care for adult patients, in consultation with a dentist. Need minimum of UE.

Osteopathy

Unitec: Degree. At least 60 credits at level 3, including at least 18 credits in Chemistry and a minimum of 12 level 3 credits in each of three other subjects, plus at least 14 credits at level 2 in Maths. Enrol in Bachelor of Applied Science (Human Biology) then enrol in Master of Osteopathy.

Paramedic

AUT University requires UE with at least 14 Level 3 credits in one of Chemistry, Biology, Physics or Maths and 14 Level 2 credits in English.

Parks Recreation

Degree: Biology, English, Geography, Economics, Mathematics with Calculus or Statistics and Modelling are useful. Minimum university entry requirements.

Performing/Screen Arts

Degree: Common University Entrance Standard required plus CV, interview and an audition. **Diploma:** 60 credits in best four subjects at level 2 plus a minimum of 12 credits in English at level 1.

Pharmacy

Degrees: Otago: see **Health Sciences**

University of Auckland: Common University Entrance Standard required plus minimum of 18 credits in each of Chemistry and Biology. Similar subjects as for Medicine. Limited entry-students are ranked on their best 80 credits in NCEA Level 3 – current rank score of 220. All are interviewed.

Photography

Certificate: L2 English plus portfolio of work. **Diploma:** 54 credits at Level 2 NCEA in best 4 subjects.

Degree: Common University Entrance plus portfolio.

Physical Education

Otago: Selection is partly based on Year 12 results but a Year 13 year needs to be completed. Level 3 Physical Education, Biology



and Statistics and Modelling are recommended. Chemistry and Physics also useful. Must be studying five Level 3 approved subjects. Applicants are initially selected on their Year 12 NCEA results – aim for at least 80 Level 2 credits with a minimum of 16 credits in each of the top four subjects.

University of Auckland: Common University Entrance, interview and referees' reports plus students are ranked on their best 80 credits in NCEA Level 3 approved subjects.

AUT University requires UE including 14 credits at Level 3 in at least one subject from Health Education, Physical Education, Maths or Sciences and 14 Level 2 credits in English.

Diploma courses require 48 Level 2 credits including 8 level 2 credits in a language rich subject.

Physiotherapy

AUT University: 56 credits at Level 3 approved subjects. Preference will be given to candidates who have the highest level of achievement. No specific subjects but Chemistry, Biology, Physics, English useful. Involvement in sports, community service or health related activities required. Police Clearance.

Otago: see Health Sciences.

Planning

Degree: Relevant Level 3 subjects include English, Design, Calculus or Statistics and Modelling, Geography, History.

University of Auckland will rank students on their best 80 credits in NCEA Level 3 in approved subjects – current rank score 230.

Plumbing

Achievement in three NCEA Level 1 subjects - Technology, Mathematics, English, Science useful.

Podiatry

AUT University UE

Police

Fluent English speaker. Fitness test, must be a capable swimmer. Full Drivers License preferred and need to be 18 before training is complete. Keyboarding skills useful.

Property

Degree at University of Auckland – minimum of 16 credits in each of three subjects from Table A and/or Table B (see above). Ranked on 80 best credits in approved subjects.

Lincoln University: Offers Degree in Commerce majoring in Valuation and Property Management.

Psychology

Common University Entrance. First year papers are popular so better than 42 credits at Level 3 may be required. Useful subjects – Statistics and Modelling.

Resource Management

A good Science background helpful but not essential. Advantage to have studied social science e.g. Economics, Geography.

Science degrees

Available at all Universities. Useful subjects and entry depends on major chosen. Biology, Chemistry, Modelling and Statistics, Geography, Physics all very useful. Need to check prospectus.

Science and Technology degrees

Both Maths with Calculus and Statistics and Modelling, Physics and Chemistry are useful. **University of Auckland** requires a rank score of 220. Specialisations in Biotechnology, Information Technology, Medical Physics and Imaging, Optoelectronics.



Secretarial/Reception	Prefer Level 2 English, Text and Information Management.
Shipping and Freight	MIT: Certificate in Logistics requires 38 L2 credits. The Diplomas in Shipping and Freight and Supply Chain Management both require 48 L2 credits.
Social Work	Degree: General educational background. Minimum university entry requirements. Useful subjects are English, Classics, History, Geography, Economics, Statistics and Modelling. Interview as well. Police check.
Speech and Language Therapy	Can study at Massey University or Canterbury University. University of Auckland offers a Masters in Speech Language Therapy Practice – need Bachelors degree in a related subject first. Biology to Year 12/13 very useful as is English. Massey University at Albany: Common University Entrance including: 14 credits at Level 3 or higher in English and a minimum of 16 credits or more at NCEA Level 3 in one of the following subjects: Biology, Chemistry, Mathematics with Calculus, Physics, Science or Statistic with Modelling, plus interview. Canterbury: Minimum University Common Entrance requirements but higher recommended. Must do an Intermediate year. L3 Biology and English recommended plus strong Science background to at least L2.
Sport	University of Auckland: Sport and Exercise Science requires a rank score of 190 currently at Level 3 in at least one subject from Health Education, Physical Education, Maths or Sciences and 14 Level 2 credits in English. Unitec: Bachelor in Sport majoring in Coaching, Management and Physical Education. UE required. Waikato: Sport and Leisure Degree with pathways in Event Management/Public Relations, Exercise Physiology/Personal Training, Outdoor Adventure/Tourism, Teaching. Need UE minimum. Canterbury: offer Degree in Sport Coaching. Biology, PE, English recommended. Lincoln University has Degree in Sport and Recreational Management.
Surveying	Degree (Otago): Common University Entrance Standard required plus Intermediate year at University. Useful subjects are English, Mathematics with Calculus, Statistics and Modelling, Physics, Geography. Diploma (Unitec): 48 credits at Level 2 including the Literacy credits. At least one Science subject and Maths is required.
- Quantity	Degree: Common University Entrance. Maths and Physics to Level 3 recommended. Diploma (Unitec): 36 credits at Level 2 in best three subjects, including Level 2 Maths and Level 2 English literacy credits.
Teaching	Many providers – need to check for individual requirements. Common University Entrance, Interview and Police check required.
Early Childhood	
Primary	Two or more teaching subject required at University for secondary teaching.
Secondary	



**Technology/Science
Technology**

University of Auckland: University of Auckland requires a rank score of 220. Specialisations in Biotechnology, Information Technology, Medical Physics and Imaging, Information Technology and Optoelectronics

Waikato: UE Majors in Animal Behaviour, Biochemistry, Biological Sciences, Biotechnology, Chemistry, Computer Science, earth Sciences, Electronics, Environmental Planning, Environmental Sciences, Materials and Processing, Physics.

Tourism and Travel

Variety of providers and courses offered. **Degree:** Common University Entrance. Degree at Waikato requires UE plus 14 credits in one of L3 English, Māori, History (incl AS 90658), Classics (incl AS 90513). **Victoria and Lincoln Universities** offer Degree in Tourism Management. **Certificate AUT:** Completion of Year 12 and must be 17. **Diploma: AUT** 48 Level 2 credits in four subjects, including 8 credits in a language rich subject – English, History, Geography, Classical Studies, History of Art or Media Studies, Economics, Te Reo, Physical Education, Drama, or Social Studies.

Certificate: MIT 48 Level 1 credits including 12 credits of Level 1 English or higher plus 10 L2 Tourism credits **OR** National Certificate in Tourism and Travel Introductory Skills. Level 2. Useful subjects - Maths, Tourism, Geography, Languages.

Diploma at MIT requires 48 L2 credits including 12 credits in each of 3 subjects and L2 Literacy.

Veterinarian

Degree (Massey University) Common University Entrance Standard required plus ranked on 80 best credits. Entry to Semester II is very competitive. Level 3 Chemistry, Physics, Biology and Calculus. English also very useful. Work Experience at Vet recommended.

**Vet Nursing
Working with
Animals**

Diploma at Massey: Prior experience with animals useful. NCEA Level 3 (minimum requirement) in Biology, Mathematics and English. Also offer a Degree in Veterinary Technology. **Unitec:** at least 60 credits in best four subjects at level 2 including a minimum of 12 credits in English at level 1. Interview. Competitive entry.

Other courses are available-check for entry requirements. In Auckland Unitec offers several.

**Viticulture and
Oenology**

Lincoln University offers a degree.

If you are considering studying at an overseas university, ensure that you know what subjects are required to meet their entrance qualifications. See Mrs McConchie for advice as to how to access this information.



People to See for Subject Advice

Two very important people whom you can see for advice about your subject selection here at school are your **Head of House** and **Mrs McConchie**, our **Careers Advisor**. She has information on a huge variety of careers and tertiary courses.

If you want to find out more about a **subject**, the following teachers can help you:

Subject	Teacher
Accounting, Business Studies	Mrs Green
Art History and Visual Arts	Mrs Waanders
Biology	Mr Stanning
Chemistry	Ms Poelman
Classical Studies	Mr Spackman
Computing	Mrs Mockridge
Drama	Ms Bolt
Economics	Mr Morgan
Employment Skills	Mrs McLeod
English – Year 11	Ms Te’o
English – Year 13	Ms Stuart
English – Year 12	Ms Johnston
ESOL	Ms Aw
Food and Fabric Technology, Hospitality	Ms Matich
Geography	Ms Knight
History	Mr Spackman
Media Studies	Mr Duff
Languages – French & German	Mrs Pommarède
Languages – Spanish	Mrs Pommerède, Dr Anwar
Languages – Japanese	Mrs Pommarède
Music	Ms Banham
Mathematics	Ms Hawkins, Ms Siber
Information Management	Mrs McLeod
Physics, Electronics	Mr Prahaladh
Physical Education	Mr Rennell
Science	Mrs Glading
Social Studies	Mrs McFadden/Ms Wolken
Technology – Hard Materials, Graphics, Engineering, Trade Skills	Mr Kerr
Te Reo Maori	Ms Tauranga-Hudson
Tourism	Mrs McConchie

Course Fees

Some subjects have course fees to cover the costs of materials used in the course. The fees given in this booklet are the 2011 course fees and are indicative of the fees for 2012. The fees for 2012 will be set at the start of the year and may change from the fees from 2011. Some subjects also have workbooks or manuals, which will appear on the stationery list.

ROSEHILL COLLEGE CURRICULUM MAP 2012

YEAR 9

YEAR 10

YEAR 11

YEAR 12

YEAR 13

<p>ARTS Drama</p> <p>Art Design</p> <p>Dance</p> <p>Band Advanced Music</p> <p>Vocals</p> <p>Introductory Music</p>	<p>Drama</p> <p>Art Design</p> <p>Dance</p> <p>Band Advanced Music</p> <p>General Music</p>	<p>Drama</p> <p>Visual Art</p> <p>Photography and Design</p> <p>Dance</p> <p>Advanced Music</p> <p>Making Music</p>	<p>Drama</p> <p>Performing Arts Technology</p> <p>Painting</p> <p>Art Design</p> <p>Photography</p> <p>Printmaking and Sculpture</p> <p>Art History</p> <p>Dance</p> <p>Making Music and Music Studies</p>	<p>Drama</p> <p>Painting</p> <p>Design</p> <p>Photography</p> <p>Printmaking</p> <p>Sculpture</p> <p>Art History</p> <p>Dance</p> <p>Making Music and Music Studies</p>
<p>BUSINESS EDUCATION</p>	<p>Enterprise Studies</p>	<p>Accounting</p> <p>Economics</p> <p>Employment Skills & Keyboarding</p>	<p>Accounting</p> <p>Business Studies</p> <p>Economics</p> <p>Information Management</p> <p>Business Communications</p> <p>Financial Administration</p> <p>Computer Studies</p> <p>Computer Technology</p>	<p>Accounting</p> <p>Business Studies</p> <p>Economics</p> <p>Information Management</p> <p>Computer Literacy for Beginners</p> <p>Computer Technology</p>

ROSEHILL COLLEGE CURRICULUM MAP 2012

YEAR 9

YEAR 10

YEAR 11

YEAR 12

YEAR 13

<p>ENGLISH</p> <p>English</p>	<p>English</p> <p>English Language Studies</p>	<p>Advanced English</p> <p>English</p> <p>Bridging English</p>	<p>Advanced English</p> <p>English</p> <p>Communication English</p>	<p>Scholarship English</p> <p>English</p> <p>Communication English</p>
<p>ENGLISH FOR SPEAKERS OF OTHER LANGUAGES</p> <p>ESOL for Beginners (all ages)</p>	<p>ESOL for Intermediate Speakers (all ages)</p>	<p>English for new students – reception class</p> <p>English for Speakers of Other Languages</p>	<p>English for Speakers of Other Languages – High School Graduation</p> <p>English for NZ University Entrance</p>	<p>English for Speakers of Other Languages – High School Graduation</p> <p>English for NZ University Entrance</p>
<p>HUMANITIES</p> <p>Social Studies</p>	<p>Social Studies</p> <p>TAPs</p>	<p>Social Studies</p> <p>Geography</p> <p>History</p>	<p>Geography</p> <p>History</p> <p>Classical Studies</p> <p>Media Studies</p> <p>Tourism A</p> <p>Tourism B</p>	<p>Geography</p> <p>History</p> <p>Classical Studies</p> <p>Media Studies</p>

ROSEHILL COLLEGE CURRICULUM MAP 2012

YEAR 9

YEAR 10

YEAR 11

YEAR 12

YEAR 13

YEAR 9	YEAR 10	YEAR 11	YEAR 12	YEAR 13
LANGUAGES				
French	French	French	French	French
German	German	German		
Spanish	Spanish	Spanish	Spanish	Spanish
Te Reo Maori	Te Reo Maori	Te Reo Maori	Te Reo Maori	Te Reo Maori
MATHEMATICS				
Mathematics	Mathematics	Advanced Mathematics Mathematics Preparatory Mathematics Mathematics Applied 1	Advanced Mathematics Mathematics Bridging Mathematics Mathematics Applied 2	Statistics and Modelling Maths with Calculus
PHYSICAL EDUCATION & HEALTH				
Physical Education & Health	Physical Education & Health	Advanced Physical Education Physical Education Health Education	Physical Education - Outdoor Education option Physical Education - Sports Education option Sports Leadership Health Education	Physical Education – Outdoor Education option Physical Education – Sports Education option Sports Leadership

ROSEHILL COLLEGE CURRICULUM MAP 2012

YEAR 9

YEAR 10

YEAR 11

YEAR 12

YEAR 13

SCIENCE Science	Science	Advanced Science Science General Science NZASE Science	Biology Chemistry Physics Electronics	Science Biology Chemistry Physics Electronics
TECHNOLOGY Technology	Technology (Hard Materials) Textiles Food Technology Graphics	Technology Introductory Workshop Practice Textiles Food Technology Food and Nutrition Graphics & Design	Technology Precision Engineering Automotive Engineering Trade Skills A Trade Skills B Creative Pattern Making & Design Food Technology Food and Nutrition Hospitality 1 Hospitality 2 Graphics & Design	Precision Engineering Automotive Engineering Hospitality Graphics & Design



The ARTS

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Performing Arts Course Descriptions

11DAN – Dance

Qualification:

24 credits in NCEA Level 1 Dance achievement standards with an added 4 credits for advanced students who can sit an extra external exam.

Entry Requirement:

Successful completion of Year 10 Dance or HOD approval

Course Content:

In this course students will actively participate in composing and performing dance sequences and performing as part of a group. They will also view, interpret and respond to dance performance and will experience different dance styles and genre. Units of work will include:

- Composing dance sequences
- Performing dance sequences
- Demonstrating ensemble skills in dance
- Demonstrating understanding of dance elements
- External examination demonstrating understanding of a dance performance
- Extension exam demonstrating knowledge of a dance style or genre
- Visits to and observation of dance performance in order to develop critical response to dance.

This Course leads to: 12DAN – for which the entry requirement is 15+ credits in Level 1 Dance, including a grade of achieved or higher in *AS90004: Demonstrate understanding of a dance performance* or *AS90005: Demonstrate knowledge of a dance genre or style* or HOD approval.

11DRA - Drama

Qualification:

22 credits in NCEA Level 1 Drama achievement standards with an added 4 credits for advanced students who can sit an extra external exam.

Entry Requirement:

Successful completion of Year 10 Drama or HOD approval

Course Content:

In this course, students work towards their first national qualification in drama. They will continue to develop performance skills in all areas.

Units of work include:

- Acting techniques - A study of voice, body and use of space in a dramatic context.
- Devised theatre – creation of a performance using elements and conventions.
- Class Production – working together as a team to produce a play for an invited audience.
- Performance of a melodrama play.
- Extension exam of the melodrama history and theatre form.
- External exam demonstrating the understanding of drama elements, conventions, techniques and technologies within live performance.

This Course leads to: 12 DRA – for which the entry requirement is 15+ credits in Level 1 Drama, including a grade of achieved or higher in *AS 90009: Perform an acting role in a scripted production*, and *AS90011: Demonstrate understanding of the use of drama aspects within live performance* or HOD approval.



Music Course Descriptions

Students may take only **ONE** of the following Music courses

11ADM – Advanced Music

- Qualification:** 24-30 credits in NCEA Level 1 Music unit and achievement standards
- Entry Requirement:** Students **must have gained Level 5 in Performance or Composition AND Level 5 in Music Notation, Aural Skills or Musical Works at Year 10 Level OR have played a musical instrument / vocals for at least two years OR have passed Grade 2 Music** Performance and / or Music Theory *OR* have HOD approval. **All students** must be prepared to continue learning an instrument or vocal technique from a tutor.
- Course Content:** This course caters for students who read treble, alto or bass clef. Students will complete standards from a course that is comprised of both practical and academic components: Solo and Group Performance; Composition; Aural Skills; Materials of Music; and Knowledge of Music Works. This course is both internally and externally assessed.
- This course leads to:** 12 MUS – for which the entry requirement is a minimum of 12 credits in Level 1 Music.

11MUS - Music

- Qualification:** 16 - 22 credits in NCEA Level 1 Music unit and achievement standards
- Entry Requirement:** Students **must have gained Level 5 in Performance or Composition** at the Year 10 Level *OR* have **played a musical instrument/vocals for at least two years OR have passed Grade Two Music** Performance *OR* have HOD approval. **All students** must be prepared to continue learning an instrument or vocal technique from a tutor.
- Course Content:** This course is suitable for students who do not read Music, (treble and/or bass clef) but wish to further their Musical skills. Students will take part in a course that is comprised of mostly practical components: Solo and Group Performance and composition. Students will have the opportunity to develop music reading skills. This course is internally assessed.
- This Course leads to:** 12MUS – for which the entry requirement is a minimum of 12 credits in Level 1 Music.

Visual Arts Course Descriptions

Students may take only **ONE** of the following Visual Arts courses

11ART – Visual Art

- Qualification:** 22 credits in NCEA Level 1 Visual Art achievement standards
- Entry Requirement:** Successful completion of Year 10 Practical Art or Year 10 Design or HOD approval
- Course Content:** This course consists of three achievement standards. 10 credits are internally assessed and 12 credits are externally assessed. These are:



- Use drawing methods and skills for recording information using dry and wet media
- Use drawing conventions to develop work in more than one field of practice
- Produce a body of work informed by established practice that develops ideas using a range of media

Students produce their artwork in a workbook and on two A1 folio boards. A common theme is developed throughout the year, within a wide range of media, styles and techniques. Skills and ideas are developed into original compositions. All work is returned to the students the following year after the external assessment is finalised.

This Course leads to: 12ARP, 12ARD or 12PHO, for which the entry requirement is 15 credits in Level 1 Visual Arts or HOD approval.

Fee: \$30.00 for materials and boards. This may change.

Note: Students may apply for 11ART- Visual Art, **or** 11PHD – Photography and Design, but **NOT** both.

11PHD – Photography and Design

Qualification: 22 credits in Level 1 Visual Art Achievement standards.

Entry Requirement: Successful completion of Year 10 Practical Art or Year 10 Art Design or with HOD approval.

Students must have their own digital camera - minimum 8 megapixels.

Course Content: This course consists of three Achievement standards. 10 credits are internally assessed and 12 credits are externally assessed.

- Use drawing conventions to develop work in more than one field of practice.
- Demonstrate understanding of Art and Art Works from Maori and other cultural contexts using art terminology
- Produce a body of work informed by established practice that develops ideas using a range of media

The course enables students to explore drawing methods, analyse information and develop design and photographic techniques. Students will extend knowledge of typography, imagery, layout and compositional approaches. In compliance with the Achievement Standards of the new curriculum, the theme for this course is 'Street smART' – art based on Urban Youth culture. All work is returned to students the following year after the external assessment is finalised.

This course leads to: 12 ARD, 12ARP and 12PHO – for which the entry requirements are either 15 credits in Level 1 Photography and Design, Visual Arts or Graphics.

Fee: \$30 to cover folio boards and class materials. This may change.

Note: Students may apply for 11PHD – Photography and Design, **or** 11ART- Visual Art, but **NOT** both.



BUSINESS EDUCATION

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11ESK	Employment Skills and Keyboarding	39



Business Education: Year 11 Course Description

11ACC – Accounting

Qualification: 21 credits in NCEA Level 1 Accounting standards and 2 credits in Level 1 Personal Finance Management standards.

Entry Requirement: Open

Course Content: This course is designed to equip students to cope with essential financial management skills regardless of their future career path. The course will promote knowledge and understanding of accounting as a financial language for individuals and small businesses, as well as apply financial knowledge and personal financial skills to practical situations. The course covers:

- Individuals/Households - managing personal finances, bank records and reconciliation statements, explaining documents used in financial transactions, calculation of financial position and investigating cash controls used.
- Businesses – processing financial data, preparation of financial statements, analysis and interpretation of financial reports, making informed financial decisions and developing business skills for individuals and businesses.

This Course leads to: 12ACC – for which the entry requirement is 11 credits in Level 1 Accounting
12 FAD – for which the entry requirement is 10 credits in Level 1 Maths.

11ECO - Economics

Qualification: 24 credits in NCEA Level 1 Economics standards

Entry Requirement: Open

Course Content: This course aims to provide an introduction to the NZ economy through the study of the decisions made by consumers and businesses every day.

Students study the following topics:

- Consumer Choice and Demand
- Producers, Production, Resources and their Use
- Concepts of Supply
- The Market
- The Government and the Economy
- Sectors of the Economy

This Course leads to: 12ECO - for which the entry requirement is 12 credits in Level 1 Economics.

11ESK – Employment Skills and Keyboarding

Qualification: 18 credits in NCEA Level 1 unit standards covering Business Information Processing, Self Management, Work and Study Skills and Interpersonal Communications standards.

Entry Requirement: **Restricted entry.** Students are recommended for this course.

Course Content: This is a full year course integrating knowledge and skills for gaining employment, and to be an effective employee. It includes planning for the future, job research skills, problem solving and communication skills. Basic software and data entry skills are learnt so that personal and business documents can be enhanced.

This Course leads to: 12IMT, 12FAD, 12BCM – for which there is open entry.

Fee: \$10.00



ENGLISH

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11ENB Bridging English	41



English: Year 11 Course Descriptions

11 ENA - Advanced English

- Qualification:** 28 credits in NCEA Level 1 English achievement standards
- Entry Requirement:** **Restricted Entry.** Grades achieved in common assessments in Year 10 English (AsTTle close reading result, exam results and class grades on KAMAR) will determine who is invited to take this course. (Students do not need to have been in 10 ENA: results in assessments determine suitability for the course.)
- Course Content:** Students undertake studies to fulfil Level 1 achievements standards at the 'Excellence' level. Internally assessed studies include: research, formal writing, and speech making. Externally assessed studies include: written texts (novel or poetry or drama), film study, and language studies (close reading). Students are required to extend their general literacy experiences by wider reading and writing activities.
- This course leads to:** 12 ENA or 12 ENG

11 ENG – Level 1 English

- Qualification:** 19 credits in NCEA Level 1 English achievement standards
- Entry Requirement:** Grades achieved in common assessments in Year 10 English (AsTTle close reading result, exam results and class grades on KAMAR) will determine the English course the student is advised to take.
- Course Content:** Students undertake studies to fulfil Level 1 achievement standards and literacy credits. Internally assessed studies include: formal writing, speech making and a media presentation. Externally assessed studies include: written texts (novel or poetry or drama), film study and language studies (close reading).
- This course leads to:** 12 LIT or 12 ENG or 12 ENC

11ENB – Bridging English

- Qualification:** 18 credits in NCEA Level 1 English achievement standards.
- Entry Requirement:** Grades achieved in common assessments in Year 10 English (AsTTle close reading result, exam results and class grades on KAMAR) will determine the English course the student is advised to take.
- Course Content:** Students undertake studies over 2 years to fulfil Level 1 achievement standards and gain literacy credits. In the second year students may proceed to some Level 2 standards. Internally assessed studies include: formal writing, reading responses, speech making and a media presentation. The externally assessed study is on written texts (short stories or poetry or extended).
- This course leads to:** 12 ENC (dependant on results in Level 1 with HOD approval).



ENGLISH FOR SPEAKERS OF OTHER LANGUAGES

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11ESL English for Speakers of Other Languages	43



English for Speakers of Other Languages: Year 11 Course Descriptions

11 REC – English for new students to New Zealand

Qualification: 12 credits in NCEA Level 1 ESOL Unit Standards

Entry Requirement: Non-speakers of English with emerging levels of spoken, written and reading fluency.

Course Content: Assistance with basic conversational expression, written grammar and vocabulary. Students will work on language skills to assist them in mainstream subjects. Once a specific level of competence is met, students may transfer to another class.

11ESL– English for Speakers of Other Languages

Qualification: 10 credits in NCEA Level 1 Achievement Standards.

9 credits in NCEA Level 1 ESOL Unit Standards.

Entry Requirement: **HOD placement or** Year 11 non speakers of English at **intermediate level.**

Course Content: This is for students wishing to complete their Level 1 Literacy. A mixture of ESOL Unit Standards and English Achievement Standards are offered.



HUMANITIES

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11SOC	Social Studies	46



Humanities: Year 11 Course Descriptions

11GEO - Geography

Qualification:

22 credits in NCEA Level 1 Geography standards

Entry Requirement:

Open

Course Content:

External Achievement Standards

- Extreme Natural Events – New Zealand Volcanoes*
- Population – New Zealand and Singapore
- Skills and ideas in a geographic context.

Internal Achievement Standards

- Geographical research
- Geographic issue*
- Global study**

10 credits of the course are assessed internally and 12 credits are assessed externally. There is a residential field trip element to the course. Students are required to purchase a workbook for one of the achievement standards.

This Course leads to: 12GEO – for which the entry requirement is 14 credits in Level 1 Geography.

Costs:

Approx. \$240 for the field trip.

* Standards linked to the field trip.

** Students may have one of the new Level 1 internal assessments taught in place of the global study assessment. This is dependant on their allocated teacher. Assessments include sustainable resources and spatial analysis.

11HIS - History

Qualification:

24 credits in NCEA Level 1 History achievement standards

Entry Requirement:

Open

Course Content:

In this course, you will study the following exciting twentieth century topics, which aim to enhance your understanding of forces shaping the modern world:

- The year I was born
- Kiwis in conflict
- Black Civil Rights in the USA
- New Zealand's Search for Security

Three of the six achievement standards in this subject are assessed in the NCEA History exam at the end of the year. The other three achievement standards are assessed internally through assignments based on research and communication skills. The internal assessments have resubmission opportunities.

This Course leads to: 12HIS - for which the entry requirement is 12 credits in Level 1 History, including a grade of Achieved or better in *AS91005: Describe causes and consequences of a significant historical event.*



11SOC – Social Studies

Qualification: 22 credits in NCEA Level 1 Social Studies achievement standards

Entry Requirement: Open

Course Content: In Year 11 Social Studies students explore contemporary issues such as Aid Agencies, Slavery, Voluntary Euthanasia and Society's treatment of Children.

4 credits are externally assessed and 18 credits can be obtained by internal assessment. One standard requires students to actively participate in some form of social action.

This Course leads to: 12 Geography, 12 History, 12 Classical Studies and 12 Media Studies. See Year 12 subject information for entry requirements for these subjects.



LANGUAGES

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Languages: Year 11 Course Descriptions

11FRE - French as a Second Language

Qualification: 24 credits in NCEA Level 1 French achievement standards.

Entry Requirement: An average grade of B or higher in Year 10 French

Course Content: This course prepares students to cope with a variety of everyday situations a tourist would encounter in French-speaking countries, as well as being able to talk about New Zealand to a French tourist. Students learn to communicate about the past and future, describe, compare and contrast language and culture; give and follow instructions. Listening reading/writing and speaking skills will be developed further. Students will be internally assessed on speaking skills (total of 9 credits) and on writing a variety of texts (total of 5 credits) and externally assessed on listening and reading/viewing skills (total of 10 credits).

This Course leads to: 12FRE - for which the entry requirement 12 credits in Level 1 French.

11GER - German as a Second Language

Qualification: 24 credits in NCEA Level 1 German achievement standards.

Entry Requirement: An average grade of B or higher in Year 10 German

Course Content: This course prepares students to cope with a variety of everyday situations a tourist would encounter in German-speaking countries, as well as being able to talk about New Zealand to a German tourist. Students learn to communicate about the past and future, express and respond to personal ideas and opinions; describe, compare and contrast language and culture; give and follow instructions. Listening reading/viewing, writing and speaking skills will be developed further. Students will be internally assessed on speaking skills (total of 9 credits) and on writing a variety of texts (total of 5 credits) and externally assessed on listening and reading/viewing skills (total of 10 credits).

This Course leads to: 12GER- for which the entry requirement 12 credits in Level 1 German.

11MAO - Te Reo Māori

Qualification: 30 credits in NCEA Level 1 Te Reo Māori achievement standards

Entry Requirement: Successful completion of Year 10 Te Reo Maori

Course Content: In this course students will develop a further understanding and appreciation of the Māori language while building on vocabulary and grammatical knowledge through the following topics:

- taiao (the natural world)
- whakapapa (lines of descent, connections, history)
- hapū (extended family)
- ahi kā (home fires, preserving one's connection to the land, conservation)
- tikanga me te kawa (protocols and procedures)
- tangata whenua (indigenous people, people with a bond to the land)
- te tika me te ngākau pono (integrity, honour)



- tana tinana, taha hinengaro, taha wairua (qualities of a person, well-being, balance)

Students will be internally assessed (a total of 18 credits) and externally assessed (12 credits).

This Course leads to: 12MAO - for which the entry requirement is 15 credits in Level 1 Te Reo Māori or HOD approval.

11SPA - Spanish as a Second Language

Qualification: 24 credits in NCEA Level 1 Spanish achievement standards.

Entry Requirement: An average grade of B or higher in Year 10 Spanish

Course Content: This course prepares students to cope with a variety of everyday situations a tourist would encounter in Spanish-speaking countries. Students will learn to communicate about the past and future; express and respond to personal ideas and opinions; describe, compare and contrast language and culture; give and follow instructions. Listening, reading/viewing, writing and speaking skills will be developed further. Students will be internally assessed on speaking skills (total of 9 credits), and on writing a variety of texts (5 credits) and externally assessed on listening and reading/viewing skills (total of 10 credits).

This Course leads to: 12SPA - for which the entry requirement is 12 credits in Level 1 Spanish.



MATHEMATICS

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Mathematics: Year 11 Course Descriptions

11MAA - Advanced Mathematics

Qualification: At least 20 credits in a mixture of NCEA Levels 1 and 2 Mathematics credits

Entry Requirement: **Restricted entry.** Grades in the common Year 10MAA assessments will determine who is invited to enter this course by the Head of Department. Students will normally need to have achieved the Level 1 Measurement internal in Year 10, and have achieved well in 10MAA common assessments.

Course Content: This is an extension course for competent mathematicians who will be expected to achieve at Excellence level in a good proportion of Standards.

This Course leads to: 12MAA – (Again, entry to this course is by invitation) or 12 MATI depending on the level of achievement.
12MATI – At least 18 credits from Level 1 standards which should include 1.2 and 1.3 Algebra Standards.

11MAT - Mathematics

Qualification: 24 credits in Level 1 standards

Entry Requirement: Grades in the common Year 10MAT assessments will determine the course a student is advised to take. For 11MAT a student would normally be expected to be achieving well at Level 5 in Year 10.

Course Content: Students will be working at Level 6 of the curriculum, continuing the study of the mathematic strands: Number and Algebra, Measurement and Geometry, Statistics and Probability.

This Course leads to: 12MAT – for which the entry requirement is at least 16 credits in Level 1 Mathematics, which should include 1.2 and 1.3 Algebra Standards.

11MAB – Bridging Mathematics

Qualification: 18 credits in Level 1 Standards and Level 2 Standards

Entry Requirements: Grades in the common Year 10MAT assessments will determine the course a student is advised to take. Students who do not meet the 11MAT entry requirements will be directed to this course.

Course Content: This is a two year course and students will be working at Level 6 of the curriculum, continuing the study of the mathematic strands: Number, Measurement and Geometry, Statistics and Probability.

This course leads to: **There is no direct entry to a Year 12 course except with HOD approval.**

11MAP - Mathematics Applied

Qualification: 10 Numeracy credits

Entry Requirement: Grades and marks in common Year 10 assessments will determine the course a student is advised to take. Students who are not achieving at Level 5 in Year 10 will be directed into this course.

Course Content: This course focuses on basic numeracy and skills and does not offer Level 1 Mathematics Standards.

This course does not lead to a follow on class in Year 12.



PHYSICAL EDUCATION and HEALTH

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Physical Education and Health: Year 11 Course Descriptions.

Students may select one Year 11 Physical Education course. Health Education can be taken in combination with a physical education course or on it's own.

11PEA - Advanced Physical Education

Qualification: 21 credits in NCEA Level 1 Physical Education standards

Entry Requirement: **Restricted entry.** Students will be notified of their selection for this course by the college.

Course Content: This is a practical and theoretical course, which is a **prerequisite for 12PED and 12PEO**. Students will participate in a variety of physical activities and explain the factors that influence their own participation. They will describe body structure and function as it relates to physical performance while also demonstrating quality movements in volleyball. Societal influences on physical activity and the implications for self and others will be investigated. Practical activities will include volleyball, touch rugby, basketball, rock-climbing and a variety of sports from non-traditional and cultural domains.

This Course leads to: 12PEL – open entry
12PEO, 12PED – for which the entry requirement is 14 credits in Level 1 standards in 11PEA, including a grade of Achieved or better in *AS90963: Demonstrate knowledge of body structure and function related to performance of physical activity.*

Fee: The 2011 fee was \$50.00 for Outdoor Education activities.

11PED – Physical Education

Qualification: 21 credits in NCEA Level 1 Physical Education standards

Entry Requirement: Year 10 Physical Education and Health

Course Content: This is a practical and theory based course, which is a **prerequisite for 12PED and 12PEO**. Students will participate in a variety of physical activities and explain the factors that influence their own participation. They will describe body structure and function as it relates to physical performance while also demonstrating quality movements in volleyball. Societal influences on physical activity and the implications for self and others will be investigated. Practical activities will include volleyball, touch rugby, basketball, rock-climbing and a variety of sports from non-traditional and cultural domains.

This Course leads to: 12PEL – open entry
12PEO, 12PED – for which the entry requirement is 14 credits in Level 1 standards in 11PED, including a grade of Achieved or better in *AS90963: Demonstrate knowledge of body structure and function related to performance of physical activity.*

Fee: There will be a \$20 fee for rock climbing.

11HEA – Health Education

Qualification: 22 credits in Level 1 Health standards

Entry Requirement: Year 10 Health & Physical Education

Course Content: The course looks at influences on adolescent eating patterns and



healthy food choices, explores strategies for managing states of health, applies a problem solving model to enhancing relationships, looks at developing understanding around enhancing sexual health and sexuality issues relating to drug use. An ideal course if you are thinking of pursuing a career in the health industry.

This course leads to: 12HEA – for which entry requirement is 12 credits in Level 1 Health Education, one standard of which needs to be an externally assessed standard.



SCIENCES

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Sciences: Year 11 Course Descriptions

11SCA – Advanced Science

Qualification: 28 credits in NCEA Level 1 Science, Chemistry and Physics achievement standards.

Entry Requirement: **Restricted entry.** Students will be notified of their selection for this course.

Course Content: This course for very able Year 11 Science students offers a comprehensive study of the various fields of Science and the skills associated with them. Emphasis is given to understanding the world we belong to, modern scientific achievements and endeavours and the impact we are having on our world. Students will have the opportunity to explore beyond basic principles and to undertake investigative and research activities. Greater opportunity will be provided for students to self-direct their learning into areas of their own interest. Topics included are: genetics, motion, energy, acid chemistry, chemical reactions and atomic structure and bonding.

This Course leads to: 12BIO – for which the entry requirement is 16 credits in Level 1 Science achievement standards, including a grade of Achieved or better in SCI 1.9: *Demonstrate an understanding of genetic information* **and/or** SCI 1.14: *Demonstrate understanding of carbon cycling*.

12CHE - for which the entry requirement is 16 credits in Level 1 Science, including 4 credits in SCI 1.5: *Demonstrate an understanding of chemical ideas relating to acids and bases*.

12PHY - for which the entry requirement is 16 credits in Level 1 Science achievement standards, including a grade of Achieved or better in SCI 1.1: *Demonstrate understanding of aspects of mechanics* **and** 12 credits in Level 1 Mathematics achievement standards

12ELN - for which the entry requirement is 12 credits in Level 1 Science achievement standards **and** 12 credits in Level 1 Mathematics achievement standards

11SCI - Science

Qualification: NCEA Level 1: 24 credits in Science and Chemistry achievement standards

Entry Requirement: Marks in Year 10 will determine the course a student will be advised to take.

Course Content: This course offers students a comprehensive study of the various fields of Science and the skills associated with them. Emphasis is given to understanding the world we belong to, modern scientific achievements and endeavours and the impact we are having on our world. Students develop skills in the four main fields of science with a focus on gaining experience with currently used technological resources and processes. Topics included are: genetics, motion, energy, acid chemistry and atomic structure.

This Course leads to: 12BIO – for which the entry requirement is 16 credits in Level 1 Science achievement standards, including a grade of Achieved or better in SCI 1.9: *Demonstrate an understanding of genetic information* **and/or** SCI 1.14: *Demonstrate understanding of carbon cycling* **or** HOD approval.



12CHE - for which the entry requirement is 16 credits in Level 1 Science, including 4 credits in SCI 1.5: *Demonstrate an understanding of chemical ideas relating to acids and bases.*

12PHY - for which the entry requirement is 16 credits in Level 1 Science achievement standards, including a grade of Achieved or better in SCI 1.1: *Demonstrate understanding of aspects of mechanics* **and** 12 credits in Level 1 Mathematics achievement standards

12ELN - for which the entry requirement is 12 credits in Level 1 Science achievement standards and 12 credits in Level 1 Mathematics achievement standards

11SCG – General Science

Qualification: Approx. 23 credits in NCEA Level 1 Science achievement standards. The exact number of credits is under review. Students will be notified in writing of specific details

Entry Requirements: Marks in Year 10 will determine the course a student will be advised to take. Students **cannot** enter 12CHE; 12PHY or 12ELN from this course.

Course Content: This course offers students a comprehensive study of the Sciences and the skills associated with them. The course covers a wide range of topics designed to give students a greater understanding of the science behind their everyday lives. Topics include: Human Biology, behaviour of matter, physics of electricity, the science of our Earth and our Earth in Space.

This Course leads to: 12BIO – for which the entry requirement is 16 credits in Level 1 Science achievement standards, including a grade of Achieved or better in Bio 1.1: *Carry out a practical investigation in a Biology context* **and** Bio 1.2: *report on a Biological issue* **or** HOD approval.

11SCN – NZASE Science

Qualification: Approx 16 credits in NCEA Level 1 Science achievement standards. The exact number of credits is under review. Students will be notified in writing of specific details

Entry Requirements: Marks in Year 10 will determine the course a student will be advised to take.

Course Content: In this course, students study topics from the fields of biology, chemistry, and physics, gaining a wide-ranging appreciation of the role and importance of science in their lives. There is an emphasis on student-centred learning and a wide variety of learning experiences. The content and activities cater for students who perform better in class work (assignments, projects, etc) than in external examinations.

This Course leads to: 11SCI. Please note: Students cannot enter ANY Year 12 Science course from 11SCN



TECHNOLOGY

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Technology: Year 11 Course Descriptions

11FDN - Food and Nutrition

Qualification: 15 credits in NCEA Level 1 Home Economics achievement standards, 4 credits in NCEA Level 1 Health & Physical Education achievement standards.

Entry Requirement: Year 10 Food Technology or HOD approval.

Course Content: This course will give students the opportunity to be creative through identifying, choosing and using appropriate foods for a variety of situations. It includes the study of nutrients, hygiene, safety, and management of resources to achieve goals. Practical activities will give opportunities to study food and nutrition through food preparation for a variety of situations.

This Course leads to: 12FDN, 12HO1 & HO2
12FDN – for which the entry requirement is the equivalent of 12 credits in Level 1 Food and Nutrition
12HO1 – all Level 1 Hospitality unit standards. Entry is dependent on total Level 1 credits achieved.

12HO2 – mainly Level 2 Hospitality unit standards. Entry is dependent on the total Level 1 credits achieved.

Fee: The 2011 fee was \$25.00. This may change. Students will need to provide some ingredients.

11GDE - Graphics and Design

Qualification: 22 credits in NCEA Level 1 Graphics Achievement Standards

Entry Requirement: Open

Course Content: This course focuses on communicating ideas and precise information through drawing. Through graphic communication, students give direction to others, plan a procedure or system of operation, exactly describe a mechanism, and realistically portray the shape and form of an object.

This Course leads to: 12GDE – for which the entry requirement is the equivalent of 12 credits in Level 1 Graphics and Design

Fee: The 2011 fee was \$20.00. This may change.

11IWP – Introductory Workshop Practice

Qualification: 23 credits in NCEA Level 1 Core Engineering, Automotive Engineering and Core Wood Technology unit standards, which will also count towards various National Certificates studied in Year 12.

Entry Requirement: Open

Course Content: In this course, students study a range of materials and processes. It is a practical course that enables students to have hands-on experience constructing projects from a working drawing.

This Course leads to: 12AEN, 12TSA, 12TSB, 12PNG – for which the entry requirement is the equivalent of 12 credits in Year 11 Technology course and US 24352 Safety and US 24356 (IWP) or HOD approval.

Fee: The 2011 fee was \$40.00. This may change.



11TEC – Technology

Qualification: 24 credits in NCEA Level 1 Technology achievement and unit standards
Entry Requirement: Year 10 Technology. **Students considering this course need to be aware that a significant amount of the material covered is of an academic rather than purely practical nature. Students who select this course cannot take 11TEF.**

Course Content: In this course, students will develop action plans from approved briefs. They will use them to produce prototype solutions and plans for on-going production. This will involve students identifying key stages in investigation design and manufacture. Students **must** be prepared to use a variety of materials in the production of their outcomes. This could include materials such as glass, paper, card, wood, fabric, metal and plastics.

This Course leads to: 12AEN, 12PNG, 12TEC, 12TSA, 12TSB, - for which the entry requirement is the equivalent of 12 credits in school-based assessments for a Year 11 Technology course.

Fee: The 2011 fee was \$40.00. This may change.

11TEF – Food Technology

Qualification: 19 credits in NCEA Level 1 Technology achievement standards
Entry Requirement: Year 10 Technology or Year 10 Food Technology or HOD approval.

Course Content: This course gives students the opportunity to use the design process to study technological developments associated with food availability and choice, new food development, food packaging and marketing. Students will develop recipes through research and experiment and use existing technologies to develop creative ideas to satisfy the requirements of each design brief.

This Course leads to: 12TEF – for which the entry requirement is 12 credits in Level 1 Food Technology.

Fee: The 2011 fee was \$25.00. This may change. Students will be required to provide some ingredients.

11TEX – Textiles Technology

Qualification: 19 credits from Level 1 technology achievement standards
Entry Requirement: Year 10 Textiles or HOD approval.

Course Content: This course gives students the opportunity to use the design process to study technological developments associated with textile development, design and fashion and marketing. Students will develop designs, draft patterns and make articles and garments using a variety of textiles, to satisfy the requirements of each Design brief.

This Course leads to: 12TEX for which the entry requirement must include credits from 11TEX, 11TEF or 11TEC

Fee: The 2011 fee was \$15. This may change.