



Senior Course Guide Years 11, 12 & 13

SUBJECT SELECTION INFORMATION BOOKLET

Cambridge International Examinations

National Certificate in Educational
Achievement

2019

Table of Contents

Check List for Choosing Year 12 & 13 Subjects:	3
Introduction	4
Choosing a Pathway	4
Choosing Subjects	4
NCEA SUBJECT LIST 2019	5
NCEA Subject Notes and Important Information	6
CIE SUBJECT LIST 2019	7
CIE Subject Notes and Important Information	8
Notes from the Careers Department	9
Careers Subject Choice Guide	9
Choosing Your Subjects	11
People Who Can Help	12
ESOL Courses	13
Literacy for Students from non-English Speaking Backgrounds	13
MACLEANS COLLEGE SUBJECT OUTLINE 2019	14
Qualification Pathways at Macleans College	15
National Certificate of Educational Achievement (NCEA)	15
Cambridge International Examinations (CIE)	16
Pathway Choices	17
Comparison between NCEA and CIE	18
Combining NCEA and CIE Pathways	18
Multi-Level Pathways	18
Vocational Pathways	19
NCEA Employment Focused Subjects	19
Gateway, STAR and Trades Academy Programmes	19
Gaining Entry to the Next Year Level	20
Compulsory Subjects / Number of Option Subjects	21
Choosing your Option Subjects in Year 11:	22
Year 12 Option Choice Flowchart :	23
Year 13 Option Choice Flowchart:	23
Re-assessment / Absences / Trips / Appeals	24
Examination Entry and Fees	24
Scholarship Examinations	25
Entry to Certificate and Diploma Courses	26

Entry to New Zealand Universities	26
Combining NCEA and CIE Pathways	26
Limited Entry Degree Courses	26
Entry to Overseas Universities	26
NCEA – University Entrance	27
NCEA <i>Approved</i> Subjects:	27
NCEA Requirements for Entry to New Zealand Universities in 2019 (Rank Scores)	28
NCEA additional Requirements for Selective Degree Courses in 2019:	29
CIE – University Entrance	31
CIE <i>Approved</i> Subjects:	31
CIE Requirements for Entry to New Zealand Universities in 2019 (UCAS Tariff Scores)	32
CIE Additional Requirements for Selective Entry Degree Courses in 2019:	33
Recommended Senior School Subjects for Degree Majors:	35
Entry to Medicine	39
Useful Websites for Career Research:	40
Subject Details	41
Location of Faculty Heads	41
Subject Lists	42
How to enter Year 11 Subjects online:	43
How to enter Year 12 & 13 Subjects online:	44

Year 11, 12 & 13 Subject Details

[Macleans College Senior Course Guide 2019](#)

Check List for Choosing Year 11, 12 & 13 Subjects:

Have you?

- ☐ Read the **Year 11, 12 & 13 Subject Details** in the **Macleans College Senior Course Guide 2019** on the school website www.macleans.school.nz :
on the Home Page > Student Life > Academic Information > Course Guides.
- ☐ Discussed and compared the subject details for the subjects you are considering.
- ☐ Carefully read the notes from the Careers Department on *page 9*.
- ☐ Studied the Careers Subject Choice Guide on *pages 9 and 10*.
- ☐ Read the notes on how to choose your subjects on *page 11*.
- ☐ Found out how the subjects which interest you progress from Year 11 through to Year 13 by checking the Subject Outline on *page 14* and the Subject Lists on *pages 5 and 7*.
- ☐ Used CareerQuest, Subject Matcher and other tools on www.careers.govt.nz to help you find career areas that interest you and the Jobs Data base to research them.
- ☐ Researched your ideas on www.schoolconnect.co.nz and other useful websites on *page 40*.
- ☐ Researched essential and useful school subjects for apprenticeships, other tertiary courses or employment in the work force.
- ☐ Checked the results you need for entry to degrees, diplomas & certificates. *Pages 26, 27 & 31*.
- ☐ Noted the higher entry requirements needed for many universities and degree programmes. *Pages 28 to 34 and 39*.
- ☐ Considered the table of recommended senior school subjects on *pages 35 to 38*.
- ☐ Checked what you need to achieve each year to be able to progress to the next year level at school on *page 20*.
- ☐ Checked that you have the recommended background for each subject you have chosen by reading the subject details on the school website. Seen the appropriate Faculty Head, Head of Department or Year Level Dean if you need permission to pick up a subject. Their names and locations are on *page 41*.
- ☐ Looked at the information about Scholarship if you are interested in these examinations. General information is on *page 25*. Further details are on the school website.
- ☐ Noted the information regarding examination entry and fees on *page 24*.
- ☐ Read the Important Information on *pages 6 and 8* and on the back of the option sheets.
- ☐ Asked for help if you still need it after doing all the things listed above. People at school who can help you are listed on *page 12*.
- ☐ Followed the Year 11, 12 & 13 subject choice flowcharts on *pages 22 & 23*.
- ☐ Discussed your subject choices with your parents / caregivers.
- ☐ Filled in your option sheet(s) carefully, following the instructions, signed it and had it signed by a parent or guardian.
- ☐ Had your option sheet(s) signed by a Faculty Head or Deputy Principal if you need permission for a new subject, mixed pathway or number of subjects.
- ☐ Read the instructions on how to enter your subjects on-line on *page 3*.
- ☐ ENTERED YOUR SUBJECT CHOICES ON-LINE, THROUGH THE KAMAR PARENT PORTAL,
YEAR 11 BY FRIDAY 14TH SEPTEMBER, YEARS 12 & 13 BY FRIDAY 28TH SEPTEMBER

Introduction

This information booklet is provided to assist you in selecting your subjects in the senior school. It includes important general information, advice and references. It should be used along with the Subject Details for all courses offered in Years 11, 12 and 13 which are available on the school website. You are urged to research and consider your career and subject choices thoroughly. [Macleans College Senior Course Guide 2019](#).

At Macleans College in Years 9 and 10 students study a range of core subjects. They also have the opportunity to study option subjects. The curriculum is kept deliberately broad so that they don't specialise too early.

In Year 11 students study English or ESOL, Mathematics and a Science subject plus three option subjects. They also choose a qualification pathway. While assessment is important, the emphasis is on learning. Students select a Year 11 programme which will prepare them well for the subjects they wish to study in Years 12 and 13.

In Years 12 and 13 you study subjects which help to prepare you for your career goals. Many students at Macleans plan to study for degrees at university, however, it should be noted that, while this is an excellent goal for many, it is not necessarily the best or most appropriate choice for all students. Preparation for worthwhile, interesting and rewarding careers is available through work, through polytechnic degree courses, diploma and certificate courses at polytechnics and private tertiary providers, apprenticeships and other training programmes. There are also many opportunities to "staircase" up to degree level after successful completion of certificates and diplomas.

You should choose subjects and work towards careers that reflect your interests, skills, abilities, personal qualities, learning styles and values.

Choosing a Pathway

Students at Macleans College choose from two qualification pathways, either NCEA or CIE. There are notes and comparisons to help you with this decision on *pages 15 to 19*.

- Think about your style of learning
- Ask yourself which assessment style suits you best
- Consider the availability of the subjects you wish to study
- Think about where you hope to study and work when you leave school
- In Year 12 you generally continue the pathway chosen in Year 11, however, it is possible, and may be advisable, to change from CIE in Year 11 to NCEA in Year 12
- Year 13 students generally continue their Year 12 pathway into Year 13

Choosing Subjects

- Complete the check list at the back of this booklet.
- Carefully read the Careers Department information on *pages 9 and 10*.
- Study the Careers Subject Choice Guide on *pages 9 and 10*.
- Track the progress of subjects from Year 9 through to Year 13 in the Subject Outline on *page 14* and the Subject Lists on *pages 5 and 7*.
- Check what background you need to be able to progress to the next year level on *page 20*.
- Research the career possibilities that interest you, courses available at university and polytechnic, other training providers, apprenticeships and on-the-job training.
- Check the entry requirements for jobs, apprenticeships, cadetships and tertiary courses. Some information is on *pages 26 to 39*.
- Ask for help if you need it. The people who can help you are listed on *page 12*.
- Read the Subject Details in the Senior Course Guide 2019 on the website. They include course descriptions, assessment details and recommended background.
- Refer to the 2019 Subject Lists and attached notes on *page 5 to 8* for details of courses available. Follow the instructions on the Option Sheets carefully.

NCEA SUBJECT LIST 2019

Year 11 – Level 1		Year 12 – Level 2		Year 13 – Level 3	
ENGLISH					
English	11ENG	English	12ENG	English	13ENG
or English for Literacy	11ENL	or English for Literacy	12ENL		
or ESOL (English for Speakers of Other Languages)	11ESL	or ESOL +	12ESL		
Media Studies	11MDS	Media Studies	12MDS	Media Studies	13MDS
MATHEMATICS					
Mathematics	11MAT	Mathematics (Continuing)	12MAT	Mathematics (Calculus)	13MCA
		or Mathematics	12MST	Mathematics (General)	13MAT
or Mathematics (Numeracy)	11MNU				
SCIENCE					
Science	11SCI	Biology	12BIO	Biology	13BIO
		Chemistry	12CHE	Chemistry	13CHE
		Physics	12PHY	Physics	13PHY
SOCIAL SCIENCES					
Geography	11GEO	Geography	12GEO	Geography	13GEO
History	11HIS	History	12HIS	History	13HIS
				Classical Studies	13CLS
				Social Studies	13SOS
		*Travel and Tourism	12TRT	*Travel and Tourism	13TRT
PHYSICAL EDUCATION & HEALTH					
Physical Education (NCEA)	11PEA	Physical Education (NCEA)	12PEA	Physical Education (NCEA)	13PEA
				*Sport Leadership	13SPE
Phys Ed & Health (Core)	11PED	Phys Ed & Health (Core) / Study	12PED		
LANGUAGES					
Maori	11MAO	Maori	12MAO	Maori	13MAO
Spanish	12SPA	Spanish	12SPA	Spanish	13SPA
				Chinese (classes before school)	13CHN
TECHNOLOGY					
*Engineering (Mechanical)	11TEM	*Engineering (Mechanical)	12TEM		
*Construction	11 TCO	*Construction	12 TCO		
*Hospitality	11TFD				
Design & Visual Communication	11DVV	Design & Visual Communication	12DVV	Design & Visual Communication	13DVV
Digital Technologies (Computing)	11TDD	Digital Technologies (Computing)	12DTG	Digital Technologies (Computing)	13DTG
Robotics & Product Design	11TRE	Robotics & Product Design	12TRE	Robotics & Product Design	13TRE
Textiles Design & Technology	11TEX	Textiles Design & Technology	12TEX	Textiles Design & Technology	13TEX
VISUAL ARTS					
Art (Visual)	11ARV	Art (Painting)	12APA	Art (Painting)	13APA
or Art (Design & Photography)	11ADP	Art (Design)	12ADE	Art (Design)	13ADE
		Art (Photography)	12APH	Art (Photography)	13APH
PERFORMING ARTS					
Dance	11DAN	Dance	12DAN	Dance	13DAN
Drama	11DRA	Drama	12DRA	Drama	13DRA
Music	11MUS	Music	12MUS	Music	13MUS
COMMERCE					
Commerce	11COM	Accounting	13ACT	Accounting (Planned for 2020)	13ACT
		Business Studies	12BUS	Business Studies	13BUS
		Economics	12ECO	Economics	13ECO
		*Financial Literacy	12FNL	*Financial Literacy	13FNL
VOCATIONAL STUDIES					
		*Early Childhood Studies	12ECE		
		*Vocational Studies	12VPS		

NCEA Subject Notes and Important Information

Course credit values may differ from subject to subject and year to year. Students must carefully check the Senior Course Guide for subject details and entry requirements – www.macleans.school.nz

- 1 Availability of all courses is subject to student numbers and staffing.
- 2 Some courses will not be available if numbers are too small.
- 3 Some classes may be combined by year level (eg, Year 11 and 12 in one class), or by qualification (eg, NCEA Level 1 and CIE IGCSE in one class), if numbers do not make separate classes viable.
- 4 While we offer a wide-range of options, it may not be possible to accommodate all choices and combinations.
- 5 Parents/Caregivers and students need to satisfy themselves that a chosen course meets the student's goals for the following year and beyond school.
- 6 **ACCOUNTING:** Accounting is offered at NCEA Level 2 subject to numbers.
- 7 **ART / DESIGN & VISUAL COMMUNICATION:** students can only study one of **Art (Visual)** or **Art (Design & Photography)** at NCEA Level 1 and a maximum of two **Art (Design, Painting or Photography)** or **Design & Visual Communication** options in one year at Level 2 or Level 3. For Level 2 See Mrs Thompson, Year 12 Dean or Level 3 see Mr Mackenzie, Year 13 Dean. International students should see Mr Goodyer.
- 8 **DRAMA / DANCE:** **12DRA** may be timetabled with **13DRA**. **11DAN** may be timetabled with **12DAN** &/or **13DAN**.
- 9 **ENGLISH:** **English, Level 1** and **Level 2**, **English for Literacy Level 1** and **Level 2**, and **ESOL Level 1** and **Level 2** include literacy credits for NCEA. Students who study **11ENL**, **NCEA Level 1 English for Literacy** in Year 11 must select **12ENL**, **NCEA Level 2 English for Literacy** in Year 12.
- 10 **LANGUAGES:** **Chinese and Japanese** are generally only offered in the CIE pathway.
NCEA Level 3 Chinese is a course for experienced speakers of Chinese. Classes are held before school.
NCEA Level 1, 2 & 3 Spanish will be offered on a case by case basis in combined classes with CIE Spanish. Interested students must see Mr Rodriguez.
- 11 **MAORI NCEA Level 1, 2 and 3:** will be offered subject to numbers and may be in a combined class or classes.
- 12 **MATHEMATICS:** **11MNU**, **NCEA Level 1 Mathematics (Numeracy)** – is a Year 11 only course containing *Numeracy* credits. It does NOT lead to either of the **Level 2 Mathematics** courses.
Students who plan to study **Year 12 Mathematics** must select **11MAT**, **NCEA Level 1 Mathematics** in Year 11.
- 13 **12MAT**, **NCEA Level 2 Mathematics (Continuing)** leads to **13MCA**, **NCEA Level 3 Mathematics (Calculus)** and/or **13MAT**, **Mathematics (General)**. **12MST**, **NCEA Level 2 Mathematics** is a terminating course which does NOT lead to either of the **Level 3 Mathematics** courses. Students who plan to study **Year 13 Mathematics** must select **12MAT**, **NCEA Level 2 Mathematics (Continuing)** in Year 12.
- 14 **MUSIC:** **Music NCEA Level 1** may be timetabled with **Music NCEA Level 2 and 3**.
- 15 **PHYSICAL EDUCATION:** Students may only choose one of **13PEA NCEA Level 3 Physical Education** OR **13SPE NCEA Level 3 Sport Leadership**, not both.
- 16 **SCHOLARSHIP:** Scholarship Examination subjects are available to interested students studying appropriate subjects at NCEA Level 3. Please circle 13SCH on the Year 13 option sheet if you wish to be considered. A senior staff member will see students who are successful with their application. Scholarship class lists will be confirmed after CIE and NCEA results are finalised.
- 17 ***SHADED COURSES:** Courses that are shaded are suited to employment focused students. They may include a mixture of Level 1, Level 2 and Level 3 credits from unit standards. They are not or do not lead to *approved* subjects for University Entrance. Students choosing **MORE THAN ONE** of these subjects must have their course selection approved by Mrs Thompson, Year 12 Dean or Mr Mackenzie, Year 13 Dean.
- 18 **TECHNOLOGY:** Students usually study only one **Technology** option in any one year. Students wishing to study **TWO Technology** subjects must seek permission from Mrs Thompson, Year 12 Dean or Mr Mackenzie, Year 13 Dean.
- 19 **Digital Technologies NCEA Level 1, 2 and 3** and **Robotics & Product Design NCEA Level 1, 2 and 3** will be offered subject to numbers and may be in combined classes.
- 20 **TEXTILES:** **NCEA Level 2** and **Level 3** will be timetabled in a combined class.
- 21 **VOCATIONAL STUDIES:** Students will be selected for this course after an interview. See Mrs Thompson, Year 12 Dean or Mrs Bushe, Career Advisor.
- 22 **UNIVERSITY ENTRANCE:** **NCEA Level 3: Sport Leadership, Financial Literacy** and **Travel & Tourism** are NOT approved subjects for University Entrance. However, the Level 3 credits can be counted towards gaining an NCEA Level 3 Certificate which is also needed for UE.

CIE SUBJECT LIST 2019

Year 11		Year 12 and 13			
IGCSE		AS		A Levels	
ENGLISH					
English Literature	11ELC	English Literature	12ELC	English Literature	13ELC
English Language	11ENC	or English Language	12ENC	English Language	13ENC
or English (NCEA Level 1)	11ENG	or English (NCEA Level 2)	12ENG		
or ESOL (NCEA Level 1) (English for Speakers of Other Languages)	11ESL	or ESOL (NCEA Level 2)	12ESL		
MATHEMATICS					
Mathematics	11MTC	Mathematics	12MTC	Mathematics (Pure & Statistics)	13MSC
Mathematics IGCSE + AS (18 mth)	11MAC				
Mathematics (Yr 1 of 2 Yr AS course)	12MAC				
				Further Mathematics	13MFC
or Mathematics (NCEA Level 1)	11MAT	Mathematics (NCEA Level 2)	12MAT		
SCIENCE					
Biology	11BIC	Biology	12BIC	Biology	13BIC
Chemistry	11CHC	Chemistry	12CHC	Chemistry	13CHC
Physics	11PYC	Physics	12PYC	Physics	13PYC
or Combined Science	11CSC	Can lead to IGCSE or NCEA Level 2 Biology, Chemistry and/or Physics			
SOCIAL SCIENCES					
Geography	11GEC	Geography	12GEC	Geography	13GEC
History	11HIC	History (Modern European)	12HIC	History (European Dictators)	13HIC
		Classical Studies	12CLC		
PHYSICAL EDUCATION & HEALTH					
Physical Education & Health (Core)	11PED	Physical Education & Health / Study	12PED		
LANGUAGES					
Chinese	11CNC	Chinese	12CNC	Chinese (Classes before school)	13CNC
Japanese	11JPC	Japanese	12JPC		
Spanish	11SPC	Spanish	12SPC	Spanish	13SPC
TECHNOLOGY					
Design Technology (Graphics)	11DGC	Design Technology (Graphics)	12DGC	Design Technology (Graphics)	13DGC
Computer Programming	11CPC	Computer Programming	12CPC	Computer Programming	13CPC
VISUAL ARTS					
NCEA Art (Visual)	11ARV	Art (Painting)	12APC	Art (Painting)	13APC
NCEA Art (Design & Photography)	11ADP	Art (Design)	12ADC	Art (Design) in 2020	13ADC
		Art & Design (Photography)	12AYC	Art & Design (Photography) in 2020	13AYC
PERFORMING ARTS					
Music	11MUC	Music (1 st Year)	12MUC	Music (AS 2 nd Year / A Level)	13MUC
COMMERCE					
Accounting	11ACC	Accounting	12ACC	Accounting	13ACC
Business Studies	11BSC	Business	12BSC	Business	13BSC
Economics	11ECC	Economics	12ECC	Economics	13ECC

CIE Subject Notes and Important Information

Course details and requirements may change from year to year. Students must carefully check the Senior Course Guide for subject details and entry requirements – www.macleans.school.nz

- 1 Availability of all courses is subject to student numbers and staffing.
- 2 Some courses will not be available if numbers are too small.
- 3 Students should view their AS and A Level course as a two year programme.
- 4 AS subjects are available to Year 13 students.
- 5 Some classes may be combined by year level (eg, Year 11 and year 12 in one class), or by qualification (eg IGCSE and NCEA Level 1 in one class) if numbers do not make separate classes viable.
- 6 While we offer a wide-range of options, it may not be possible to accommodate all choices and combinations.
- 7 Parents/Caregivers and students need to satisfy themselves that a chosen course meets the student's goals for the following year and beyond school.
- 8 **A LEVELS:** students can only study an A Level if they gain Grade A, B or C at AS in that subject.
- 9 **ART / GRAPHICS:** Students can only study a maximum of two **Art (Painting, Design or Photography)** or **Design & Technology (Graphics)** at AS or A Level, or NCEA in one year. See Mrs Thompson, Year 12 Dean, Mr Mackenzie, Year 13 Dean or Mr Goodyer for International Students.
- 10 **COMMERCE:** for university entrance, only two of **Accounting, Business Studies and Economics** can be counted towards the minimum required three D grades at AS or A Level. All three, however, can be counted towards a UCAS total. Students usually only study a maximum of two of these subjects in any one year.
- 11 **ENGLISH:** 11ENG, NCEA Level 1 English leads to 12ENG, NCEA Level 2 English not AS English Literature or Language. 11ESL, NCEA Level 1 ESOL leads to 12ESL, NCEA Level 2 ESOL. See Mrs Thompson, for permission to take NCEA English or ESOL in a CIE course or Mr Goodyer for International Students.
- 12 **HISTORY:** Year 12 AS History (Modern European) leads to A Level History (European Dictators).
- 13 **LANGUAGES:** IGCSE & AS Japanese and IGCSE & AS Chinese are offered subject to numbers and will be timetabled in combined IGCSE and AS classes.
Chinese A Level is a course for experienced speakers of Chinese. Classes are held before school.
A Level Spanish will be timetabled with AS Spanish.
- 14 **MATHEMATICS:** Students who intend to study AS Mathematics in Year 12 must select 11MTC in Year 11. Students should check the online Senior Course Guide for details of the entry criteria for the AS Mathematics (12MTC) course.
- 15 **13MXX, University Mathematics and/or Further Mathematics** are offered subject to confirmation. Students must have completed A Level Mathematics with very high grades.
See Mathematics Head of Faculty, Mr Buckley to be considered for these courses.
- 16 **MUSIC:** AS Music may be selected by any student who has completed IGCSE Music or who has permission from the Faculty Head. A Level Music can only be selected by students continuing from AS Music.
- 17 **SCHOLARSHIP:** Interested students studying appropriate subjects at AS/A Level can apply to take Scholarship Examination subjects. Please choose 13SCH in ONE column only, whether you intend taking one or more Scholarship subjects. A senior staff member will see students who are successful with their application. Scholarship class lists will be confirmed after CIE and NCEA results are finalised.
- 18 **SCIENCES:** Year 11 students usually only study a maximum of TWO of either **Biology IGCSE; Chemistry IGCSE; or Physics IGCSE** in one year. Students, with appropriate results in their Year 10 examinations, may be able to pick all three individual sciences with permission from the Year 11 Dean. See online Subject Details for entry criteria and page 20 in this booklet for more details.

Notes from the Careers Department

The Careers Department in the Student Advisory Services (SAS) is available to all students and has information on polytechnic and university courses in New Zealand, plus other career and subject related information. These give details of subject requirements and recommendations which will assist students to choose subjects. Career Counsellors Ms Jamieson and Mrs Jones and Gateway/STAR Career Advisor Mrs Bushé are there to assist students.

It is important when choosing subjects to look ahead and consider the subjects you may wish to take in future years. Some subjects are difficult to pick up if they have not been studied earlier while other subjects can be started at any level. Look at the Subject Outline and the Subject Lists which show how subjects progress through the school.

CAREERSNZ: The Careers New Zealand website is recommended as a good source of information on careers. The “Subject Matcher” and “CareerQuest” found under “Tools” and the Jobs Data Base are particularly useful.

CAREERS INFORMATION & EVENTS: is the Careers page on the school website for links to tertiary and other useful career related websites, information sheets, CV and interview resources, information on New Zealand and overseas universities, polytechnics and other tertiary providers.

MACLEANS CAREERS: is the Careers Department Facebook page where career events and opportunities at school and elsewhere are advertised.

SCHOOL CONNECT: is a website dedicated to helping school students answer the question “*What do you want to do?*” providing information all in one place. Click on *Careers* to learn about jobs and careers. To learn about subjects, where to study them and what they lead to click on *Study*.

Careers Subject Choice Guide

- **ENGLISH** communication skills in speaking, reading and writing are essential for all careers.
- **Literacy** for all degree courses and many Diplomas and Certificates is usually gained in Year 12 English or ESOL. Either: NCEA Level 2 **or**, CIE AS English (Literature) or AS English Language.
- **English** is not compulsory in Year 13 but many New Zealand and overseas universities and polytechnics require **English** or another writing subject e.g. **History, Geography, Classics** for entry to courses such as **Law, Health Science, Nursing, Architecture** and **Communication Studies**.
- **MATHEMATICS** should not be given up lightly. **Mathematics** or **Statistics** are required or recommended for many university and polytechnic courses and many careers.
- **Numeracy** for all degree courses and many diplomas and certificates is gained in Year 11 Mathematics. Either NCEA Level 1 (or Level 2 or 3) **or**, CIE IGCSE (or AS) Mathematics.
- **INFORMATION TECHNOLOGY** and **COMPUTER** skills are relevant to all careers.
- **SCIENCE** courses build on what is learned the year before. If you are considering dropping **Science** subjects in Year 11 or 12 think carefully about the areas you plan to work in. Many apprenticeships require Year 11 Science, some require Year 12 Physics. At least two of: **Physics, Chemistry** and / or **Biology** are necessary for many science based courses and are difficult to pick up at a tertiary level without school background.
- **SCIENCE CAREERS:** Year 11 students interested in study and work in the sciences should choose two or three IGCSE single Sciences or NCEA Level 1 Science. In Year 12 and 13 students should choose at least two, preferably three, of **Biology, Chemistry, Physics** and **Mathematics**.

- **HEALTH and CLINICAL CAREERS:** Students interested in **Health Science** or **Biomedical Science** degrees need a strong background in **Chemistry** and **Biology**, also **Physics, Mathematics** and **English**. Selection for limited places to study for degrees in **Medicine** at New Zealand or overseas universities is extremely competitive requiring all-round high ability, achievement and involvement. *See page 38.*
- **ENGINEERING:** To enter degree courses students must attain very good results in NCEA Level 3 **Mathematics (Calculus)** and **Physics** or full A Levels in CIE **Mathematics** and **Physics. Chemistry**, at least NCEA Level 2 or AS is recommended for most specialisations.
- **ARCHITECTURE:** Students interested in **Architecture** need high academic results and should take **Visual Art** subjects to Year 13. **Graphics** and **Physics**, at least to Year 12 level are useful and recommended. Also **Mathematics** and **language rich** subjects. Auckland University require a Table A and a Table B subject.
- **COMMERCE:** Students intending to study **Business** degrees should have a good background in **English** or **other writing subjects** and **Mathematics** preferably at Year 13 level. **Economics, Accounting** and **Business Studies** are useful and recommended. (CIE students can only count two of these for University Entrance.)
- **ART and DESIGN:** Most tertiary **Art and Design** courses require a portfolio of creative work to be submitted for selection. Competitive entry degree courses will be unlikely to select a student who has not taken **Visual Art** subjects at Year 11, 12 and 13.
- **LANGUAGE** studies (**Chinese, Japanese, Spanish & Maori**) build on what is learned the year before. Once dropped it is difficult to pick these subjects up in the senior school. Year 13 background is essential for advanced courses. Introductory courses are available at University and other tertiary levels but it will take longer to major in these subjects.
- **LAW:** To enter the first year of Law, students first need to be accepted into another degree, so need appropriate subjects, also **English** and other writing subjects such as **History, Geography & Classical Studies**.
- **PERFORMING ARTS:** For students interested in **Performing Arts** courses, a strong theoretical and practical background from studying **Drama, Dance** and/or **Music**, plus involvement in co-curricular performance activities, will increase the ability to succeed at audition.
- **APPRENTICESHIPS:** Entry for **Apprenticeships** vary, depending on the trade, but sound results in **English, Mathematics, Science** and **Technology** subjects at Year 11 and 12 are preferred. Also a Drivers' Licence.
- **CERTIFICATES & DIPLOMAS:** Entry level **Certificate** courses at Polytechnics or private training providers require at least three years of secondary education i.e. Year 11. Evidence of ability to study in **English** will also be required. **Diploma** and some **Certificate** courses at polytechnics or private training providers, require successful completion of Year 12 with specified numbers of NCEA Level 2 credits or AS passes. Some courses require, or recommend, particular Year 12 subjects. *Literacy* and *Numeracy* will also be required.

This is only a brief outline. We urge students to make use of websites and visits by organisations during the school year. The Year 11 Careers Lesson in Term 3 will encourage students to think about their career ideas, skills and interests, what questions to ask and where to go for answers. You will have course selection talks. We can help you with choices and options but the final choice is yours and you should make careful, informed decisions

- Complete the check list at the back of this booklet.
- Think about your skills, interests and values.
- Year 11 students should complete their Learning and Career Plan worksheet.
- Read brochures, prospectuses and publications in the SAS foyer.
- Research Careers using information on the school website and other websites on *page 39*. such as SEEK, No Major Drama, Google and professional organisations.
- Regularly check <https://www.facebook.com/MacleansCareers> the Macleans College Careers Facebook page for details of events offered at school and at other places. "Like" our page so you receive regular notifications.
- Attend lunchtime talks and seminars. Go to tertiary open days.
- Attend the Careers Evening held at school.



Choosing Your Subjects

To choose your subject options you need to think about these things:

Interests:

- What do you enjoy?
- You are more likely to work hard and do well in a course that interests you.

Skills and abilities:

- Which subjects are you good at?
- Assessment results will help you to determine your ability.
- Discuss this with your parents and subject teachers.

Learning style:

- Do you prefer reading and writing, listening and discussing, practical work, creative work?
- Are you good at sitting exams or do you prefer to complete assessments throughout the year?

Which subjects will you need?

- Consider university, polytechnic and other courses, apprenticeships, cadetships and work.
- Carefully check web-sites and prospectuses for *essential* required subjects which you must take.
- Consider recommended subjects which are *useful* to study.
- Remember your school studies provide a platform of skills and knowledge for your future learning.
- What you learn is important, not just your number of credits or UCAS points.

Career choices:

- At which year level do you plan to leave school?
- What do you plan to do when you leave?
- What are your short term plans?
- What are your long term goals?

Range of subjects:

- Keep your options open, especially if you are undecided about future course or career plans.
- Some subjects complement each other and go well together to form useful “clusters”.

Pre-requisites for further study:

- Look at the subjects you wish to study in future years.
- Some subjects, if dropped early, may prove difficult to take up again later.
- See Subject Details for the recommended background for each subject.
- Some subjects can be started at any year level.

What is involved in studying the subjects that interest you:

- Will you have to read a lot of books?
- Will you have to write many essays?
- Will you need to do practical experiments?
- Will you need to make things?
- Will the subject involve discussion with other people in the class?
- What topics does the subject cover?
- Will the subject involve field trips, projects, performances?
- How is the subject assessed – end of year exams, assignments, internal assessments?

People Who Can Help

At Macleans College we are committed to helping you with your option choices. Read this Senior Course Guide thoroughly, access further information and Subject Details on the school website and ask questions. The Careers Department in the SAS, the Level Heads, your Form Teacher, House Leader, subject teachers and Faculty Heads and Heads of Departments are all available to talk to you.

Form Teachers	<ul style="list-style-type: none"> • How do I enter my subject selections on-line? • Where do I find the Kamar parent portal? • Where do I hand in my completed form?
House Leaders	<ul style="list-style-type: none"> • How well do you think I am doing at school, overall? • How do I contact a Faculty Head, Head of Department or Teacher to discuss a subject requirement? • General advice about leaving or returning to school.
Faculty Heads Heads of Department Subject Teachers HOF Extension Studies <ul style="list-style-type: none"> • Mrs McDougall 	<ul style="list-style-type: none"> • What is involved in studying the next level of a subject? • Do I have the ability to study at the next level? • Can I pick this subject up if I have not studied it before? • Can I combine subjects at different year levels, depending on my strengths? • What happens if my previous year's results are not as good as expected? • What is involved in studying a subject at an accelerated level?
Careers Department <ul style="list-style-type: none"> • Ms S Jamieson • Mrs B Jones • Mrs K Bushé 	<ul style="list-style-type: none"> • Assessing interests, skills and possible career options. • Which school qualification pathway should I study? • What subjects should I study for a particular career? • What do I need for University, Polytechnic or other training? • Which option choices are best for me? • My option choices clash on the Subject Selection Sheet. • Option changes*
SMT, Year Level Deans <ul style="list-style-type: none"> • Year 13 Mr A Mackenzie • Year 12 Mrs M Thompson • Year 11 Mrs K Bigwood International Students <ul style="list-style-type: none"> • Mr P Goodyer 	<ul style="list-style-type: none"> • Which school qualification pathway should I study? • Can I study a mixed school qualification pathway? • Can I study a multi-level course? • Can I study an extra subject? • Can I study a reduced programme? • Course / qualification / option changes*

* Choose your subjects carefully. Option changes are only allowed in **exceptional** circumstances once a course has been commenced or confirmed.

ESOL Courses

The school offers ESOL (English for Speakers of Other Languages) courses for all age groups. The ESOL programme is designed to assist and support students for whom English is not their first language, to give them the best possible opportunity to reach their full potential in learning English. This programme covers reading, writing, speaking and listening to English and is designed to enable students to cope with classes in the mainstream curriculum and to communicate confidently.

Details of ESOL classes can be found on the school website; www.macleans.school.nz. Subject Details for 11ESL, the Year 11 course NCEA Level 1 ESOL, and Year 12 (or 13) course, 12ESL NCEA Level 2 ESOL, are found in the **Macleans College Senior Course Guide 2019** on the Home page > Student Life > Academic Information > Course Guides.

You must successfully complete NCEA Level 1 ESOL (11ESL) in Year 11 or 12 to prepare for NCEA Level 2 ESOL (12ESL) in Year 12 or 13. All the standards in 11ESL and 12ESL are from the English domain.

The minimum NCEA Level 2 University Entrance *Literacy* requirement is 10 credits – 5 credits in Reading and 5 credits in Writing gained in NCEA Level 2 ESOL (12ESL). However, students are strongly advised to aim for a total of at least 17 credits in NCEA Level 2 (or 3) English as this is the Academic English Language Requirement (AELR) required by the University of Auckland.

Students who achieve the minimum University Entrance *Literacy* and other requirements for their chosen course at the University of Auckland, but do not meet the 17 credit academic English requirement (AELR), will be admitted to the course but will be required to take an Academic English course in their first semester at university.

Please note that, gaining the English NCEA Level 2 Reading and Writing credits (or the English Literature or English Language AS equivalent), is **ESSENTIAL** to satisfy literacy requirements for all students applying to study for degrees at New Zealand universities.

Literacy for Students from non-English Speaking Backgrounds

In **New Zealand** gaining the NCEA Level 2 Reading and Writing credits, (or the English AS equivalent), is **ESSENTIAL** to satisfy literacy requirements for **ALL** students applying to study for degrees at New Zealand universities. **It is NOT possible for either domestic students or international, foreign fee paying students who attend New Zealand high schools, to substitute IELTS, TOEFL or other English language qualifications.**

Most **Australian** universities will expect NCEA Level 3 English for *literacy*. They do not accept mixed entry qualifications so will require CIE students to satisfy their literacy requirements with either AS or A Level English. International students can supply results for IELTS or TOEFL English language qualifications. Generally AS English Literature or AS English Language Grade C is the minimum grade sufficient for *literacy* but some courses may require a Grade A and some may require A Level English or A Level in another writing subject. Students must check carefully for the up-to-date requirements for courses that interest them.

Other **overseas** universities will have their own literacy and English requirements depending on the course applied for and the course and subjects the student is studying at high school. Students must research thoroughly and check carefully for the up-to-date requirements for courses that interest them.

MACLEANS COLLEGE SUBJECT OUTLINE 2019

Faculties	Year 9	Year 10	Year 11 NCEA 1 / IGCSE	Year 12 NCEA 2 / CIE AS	Year 13 NCEA 3 / CIE A Level
KEY:	Bold = compulsory subject	Plain = NCEA subject	<i>Italics = CIE subject</i>	<u>Underlined = Both NCEA & CIE subject</u>	Grey = future or past course
ENGLISH	English ESOL English for Literacy	English ESOL English for Literacy <i>English Literature (IGCSE)</i>	<u>English (Literature, Language)</u> or ESOL or English for Literacy Media Studies	<u>English (Literature or Language)</u> or ESOL or English for Literacy Media Studies	<u>English (Literature, Language)</u> Media Studies
MATHEMATICS	Mathematics Mathematics Numeracy	Mathematics <i>Mathematics (IGCSE)</i> Mathematics Numeracy	<u>Mathematics</u> Mathematics Numeracy	<u>Mathematics</u> (Continuing) Mathematics (year 12 only)	<i>Mathematics (Pure Maths & Statistics)</i> Mathematics (Calculus) Mathematics (General) <i>Further Mathematics</i>
SCIENCES	Science	Science <i>Combined Science (IGCSE)</i>	Science, <i>Combined Science</i> <i>Biology</i> <i>Chemistry</i> <i>Physics</i>	(Biology, Chemistry and/or Physics)(IG) <u>Biology</u> <u>Chemistry</u> <u>Physics</u>	<u>Biology</u> <u>Chemistry</u> <u>Physics</u>
SOCIAL SCIENCES	Social Studies Maori Studies Future Problem Solving	Social Studies <i>Global Perspectives (IGCSE)</i> Future Problem Solving History	<u>History</u> <u>Geography</u>	<u>History (European)</u> <u>Geography</u> <i>Classical Studies</i> <i>*Travel & Tourism</i>	Social Studies <u>History ((European Dictators)</u> <u>Geography</u> <i>Classical Studies</i> <i>*Travel & Tourism</i>
PHYSICAL EDUCATION & HEALTH	Physical Education & Health	Physical Education & Health	Physical Education & Health Physical Education (NCEA)	Physical Education & Health / Study Physical Education (NCEA)	Physical Education (NCEA) <i>*Sport Leadership (Level 3)</i>
LANGUAGES	Japanese Spanish Maori Chinese (Beginners/Advanced)	Japanese Spanish Maori Chinese	<u>Japanese</u> <u>Spanish</u> Maori <i>Chinese</i>	<u>Japanese</u> <u>Spanish</u> Maori <i>Chinese</i>	<u>Spanish</u> Maori <u>Chinese</u> (Classes before school)
TECHNOLOGY	Food Technology Multi Materials Technology Design & Digital Technology Textiles	Food Technology Multi Materials Technology Coding & Robotics Creative Design Textiles	*Hospitality *Construction *Engineering Mechanical Robotics & Product Design Digital Technologies Computing Design & Visual Communication <i>Design Technology (Graphics)</i> Textiles	*Construction *Engineering Mechanical Robotics & Product Design Digital Technologies Computing Design & Visual Communication <i>Design Technology (Graphics)</i> Textiles	Robotics & Product Design Digital Technologies Computing Design & Visual Communication <i>Design Technology (Graphics)</i> Textiles
VISUAL ARTS	Art	Art Creative Design	Art (Visual) Art (Design & Photography)	<u>Art Painting</u> <u>Art Design</u> <u>Art Photography</u>	<u>Art Painting</u> <u>Art Design</u> <u>Art Photography (A Level 2020)</u>
PERFORMING ARTS	Music (Advanced / Discovery) Drama Dance	Music(Advanced/Commercial) Drama Dance	Music Drama Dance	Music Drama Dance	Music Drama Dance
COMMERCE	Financial Literacy Enterprise Studies	Commerce	Commerce <i>Economics</i> <i>Business Studies</i> <i>Accounting</i>	<u>Financial Literacy</u> <u>Economics</u> <u>Business Studies</u> <u>Accounting</u>	<u>Financial Literacy</u> <u>Economics</u> <u>Business Studies</u> <u>Accounting</u>
COMPUTING		Coding & Robotics	<i>Computer Programming</i>	<i>Computer Programming</i>	<i>Computer Programming</i>
VOCATIONAL				<i>*Vocational Studies</i> <i>*Early Childhood Studies</i>	

Qualification Pathways at Macleans College

Macleans College offers two qualification pathways:

- National Certificate of Educational Achievement (NCEA)
- Cambridge International Examinations (CIE)

National Certificate of Educational Achievement (NCEA)

NCEA is New Zealand's national qualification.

Further details are available by visiting www.ncea.govt.nz NCEA is offered at three levels:

- Year 11 NCEA Level 1
 - Year 12 NCEA Level 2
 - Year 13 NCEA Level 3 and Scholarship
-
- Each subject is divided into a number of Achievement Standards and/or Unit Standards (worth varying numbers of credits).
 - There are approximately 6 to 9 standards in each subject.
 - Each subject is worth approximately 20 to 26 credits.
 - A full five subject course totals 100 to 130 credits.
 - Four 'grades' are possible for each Achievement standard: Satisfactory work will gain Achievement (A), Good work will gain Achievement with Merit (M) and Excellent work will be awarded Achievement with Excellence (E). Work which does not meet the required standard will be recorded Not Achieved (NA), if not attempted it will be recorded (SNA).
 - Many achievement standards have external examinations sat in November.
 - Some NCEA subjects include Unit standards. These are all assessed internally (by the school or other providers). Two grades are possible: A = Achieved or NA = Not Achieved.
 - Some subjects are made up entirely of Unit standards.
 - All NCEA subjects include some standards which are internally assessed (by the school or other providers). These may be Achievement standards or Unit standards.
 - No traditional marks or percentages are awarded.
 - University Entrance (UE) is gained using Level 3 credits from approved subjects. (*see page 25*).
 - Discretionary entry MAY be possible using Level 2 credits after Year 12, if achievement is very high.
 - Students intending to study at university are strongly recommended to choose approved subjects with all or most of their credits from Achievement standards.
 - Within the NCEA pathway are a number of subjects, particularly suited to those students more comfortable with practical learning. These are *shaded on the Subject Outline, Faculty flow charts and Notes. A course including more than one of these subjects is **NOT** suitable for students intending to go to university. Students taking these subjects, work towards gaining their NCEA Level 2 and Level 3 certificates.

NCEA Certificates may be built up over a number of years.

- An **NCEA Level 1 Certificate** is awarded to students who have achieved 80 Level 1 credits including 10 credits in Level 1 *Literacy* and 10 in Level 1 *Numeracy*.
- An **NCEA Level 2 Certificate** requires achievement of 80 credits: up to 20 from Level 1 and at least 60 from Level 2 or above. Students must also have achieved at least NCEA Level 1 *Numeracy* and *Literacy*.
- An **NCEA Level 3 Certificate** requires 80 credits: up to 20 from Level 2 and at least 60 from Level 3. Students must also have achieved at least NCEA Level 1 *Numeracy* and *Literacy*.
- Students are able to earn endorsed certificates. Students require 50 Excellence credits at the appropriate level to gain an **NCEA endorsed with Excellence**, and 50 Merit or Excellence credits at the level to gain an **NCEA endorsed with Merit**.
- **Course Endorsements:** Students are able to gain Merit or Excellence endorsement in a course if they gain 14 or more credits at Merit or Excellence for that course in a single year. (For most subjects at least 3 of these credits must be from externally assessed standards and 3 from internally assessed standards in that course.)

Cambridge International Examinations (CIE)

The CIE qualifications are run by the University of Cambridge International Examinations, United Kingdom. The qualifications are widely accepted internationally. CIE offers examinations at three levels:

- Year 11 International General Certificate of Secondary Education (IGCSE)
- Year 12 Advanced Subsidiary (AS)
- Year 13 Advanced (A Level)

Additional information can be obtained from either the CIE website www.cie.org.uk or the CIE pages on the Macleans website.

Notes:

- Each subject follows a syllabus laid down in the CIE prescription for that subject.
- A Levels take two years to complete by combining the percentage marks from the AS examinations gained in one year and the A2 examinations in the following year.
- The A2 examination for an A Level must be sat within 13 months of sitting the AS examination.
- Once an AS grade has been used in an A Level grade it is not counted separately in UCAS totals.
- Some local courses have been written around the New Zealand curriculum.
- CIE is examined externally at the end of the year. Most external examinations are held in October/November but some are held in May/June.
- A few subjects have internally assessed components.
- CIE is reported as percentages and across 6 or 7 grades.

Grades for IGCSE and A Level are:

- A* (90 -100%), A (80-89%), B (70-79%), C (60-69%), D (50-59%), E (40-49%)

Grades for AS are:

- A (80-100%), B (70-79%), C (60-69%), D (50-59%) and E (40-49%)

Candidates who fail to reach the standard required will receive U = Ungraded

- University entrance is gained from AS and/or A Level accumulated over a maximum of 6 best subject units during Years 12 and 13. An AS grade in a subject counts as 1 unit, an A Level grade counts as 2 units (*See page 30*).

Grade	% Marks	UCAS Tariff Score	
		AS	A Level
A*	90 – 100	-	140
A	80 – 100	60	120
B	70 – 79	50	100
C	60 – 69	40	80
D	50 – 59	30	60
E	40 – 49	20	40

Pathway Choices

National Certificate of Educational Achievement (NCEA)

- A New Zealand based qualification.
- Wide range of subjects, including practical as well as academic courses.
- Suits students who like to work on and achieve internal assessments throughout the course.
- Less reliance on external examinations at the end of the year.
- Need to work on assessments throughout the year.
- Motivated students aim for achievement with Merit or Excellence in Achievement Standards.
- Students study 6 option subjects in Year 11
- In Year 11 NCEA students may be able to choose a subject from the CIE pathway if it is not offered as an NCEA course.
- Students study 5 option subjects in Year 12 and 13.
- Achievement with Merit or Excellence at NCEA Levels 2 and 3 is demanding and will provide challenge for able students.
- Students are able to earn NCEA Certificates endorsed with Merit or Excellence
- Students are also able to gain Excellence or Merit endorsement in an individual subject course.
- NCEA Level 1 students in Year 11 usually continue the NCEA pathway to Level 2 in Year 12 and Level 3 in Year 13.
- Studying Level 3 Achievement Standards is demanding. A good level of achievement at Level 2 in a subject is usually required to proceed to Level 3 in that subject.
- NCEA Level 1 gives a good indication of a student's ability to proceed to NCEA Level 2.
- Students are NOT usually able to change from NCEA in Year 11 to CIE in Year 12.

Cambridge International Examinations (CIE)

- An international qualification.
- Wide range of traditional academic subjects.
- Suits students who perform well in external examinations.
- Some courses are internally assessed.
- Broad programme is possible by choosing a range of AS and A Level subjects over two years.
- Motivated students are able to aim for high percentages and A or A* grades.
- Students study 6 option subjects in Year 11
- In Year 11 students may be able to choose one or two subjects from the NCEA pathway if they are not offered in CIE.
- Students usually study 4 option subjects in Year 12 and 13
- Achieving high grades in AS and A Level is demanding and will provide challenge for able students.
- Most CIE students in Year 13, study a mix of AS and A Levels.
- Studying CIE at A Level is demanding and will provide challenge for able students.
- Students must have a high level of achievement in a Year 12 subject at AS, to proceed to A Level in that subject.
- At Year 11, the IGCSE course is within the scope of most students at Macleans College.
- IGCSE gives an indication of a student's ability to progress to AS and A Level study or to NCEA Level 2.
- Students who successfully study IGCSE in Year 11 will be able to apply to continue the CIE pathway to AS in Year 12.
- Some students may choose or, be advised, to change to NCEA Level 2 in Year 12. The final decision will rest with the school and will take into consideration each student's ability, learning style and previous academic success and the availability of courses.

Comparison between NCEA and CIE

National Certificate of Educational Achievement (NCEA)	Cambridge International Examinations (CIE)
New Zealand qualification	International qualification
Administered by The New Zealand Qualifications Authority (NZQA)	Administered by University of Cambridge
Taught and assessed as a number of Achievement Standards and / or Unit Standards	Taught and assessed as whole subject syllabuses
All courses have some internally assessed work	All subjects have external examinations
Results given as 4 grades	Results given as 6 or 7 grades and percentages
Moderation by New Zealand management panels	Moderation by international benchmarking
University Entrance gained from Level 3 credits in <i>approved</i> subjects	University Entrance gained from AS and A Level subjects equivalent to <i>approved</i> subjects

CIE / NCEA

- Students should consult their subject teachers before choosing which pathway they wish to follow.
- Guidelines for the minimum standards required to proceed from one year level to the next in either pathway can be found on *page 20*.
- Course outlines, and details of recommended and required entry standards, for subjects offered at Macleans College, are on the school website.
- It is essential that you check the subject details carefully and use the information to help you make your option choices.
- Both qualification pathways lead to University Entrance.
- Both qualifications can be used to apply for overseas universities.

Combining NCEA and CIE Pathways

- Usually it is preferable that students do not study a mixture of CIE and NCEA. NCEA Level 3 and CIE AS/A Level results **cannot** be combined to meet the general standard for University Entrance.
- There is some flexibility in using NCEA *Literacy* and *Numeracy* standards in a CIE pathway
- In Year 11 many students will study a mixed pathway to encourage a broad and balanced course. They may choose one or two subjects from the other pathway if those subjects are not offered in their main pathway. Students will need permission from the Year 11 Dean to take two.
- In Years 12 and 13 students will generally choose all their subjects from their main pathway.
- Students who change from CIE to NCEA in Year 12 or 13, who hope to gain University Entrance, will need to make sure that they gain at least 10 Level 1 (or higher) *Numeracy* credits and 10 Level 2 *Literacy* credits (5 Reading, 5 Writing) by the end of Year 13 so that they achieve NCEA numeracy and literacy for their NCEA Level 3 Certificate which is one of the requirements for University Entrance.

Multi-Level Pathways

- It may be possible to study subjects from different levels.
- Many CIE students study a mix of AS and A Level in Years 12 and 13.
- Consult the Careers staff and your subject teachers and Faculty Heads.
- You may be advised to study one or more of your subjects at a lower level, eg NCEA Level 2 in Year 13.
- In special cases it may be possible to study some subjects at a higher level, eg CIE AS in Year 11
- Final approval rests with the appropriate Deputy Principal, Year Level Dean.

Vocational Pathways

The Vocational Pathways are a new tool that provides a clear framework for vocational options. There are six pathways which represent new ways to structure and achieve NCEA Level 2. The pathways will help students to develop their education plan, so they are better informed and able to make better choices to meet their goals.

There are a range of tools, including a Profile Builder at:

www.youthguarantee.net.nz/start-your-journey



NCEA Employment Focused Subjects

- Within the NCEA pathway there are a number of subjects that have been shaded.
- These courses are largely made up of internally assessed Unit Standards. They may include some achievement standards.
- They are generally open entry i.e. they may be picked up without prior learning (with permission).
- These subjects are NOT intended to prepare students for University or other degree study and are NOT (or do not lead to) *approved* subjects for University Entrance.
- A course including 2 or more of these shaded subjects is suited to Year 12 and 13 students who do NOT intend to go to University, or study at degree level, when they leave school.
- Students work towards achieving their NCEA Level 2 and Level 3 Certificates.
- These subjects combine to form a vocational pathway with practical learning. They help prepare students for entry into certificate and diploma level courses, apprenticeships and employment.

Subjects offered in 2019	Level 1	Level 2	Level 3
*Construction	✓	✓	
*Early Childhood Studies		✓	
*Engineering (Mechanical)	✓	✓	
*Financial Literacy		✓	✓
*Hospitality	✓		
*Sport Leadership			✓
*Travel and Tourism		✓	✓
*Vocational Pathway Studies		✓	

Gateway, STAR and Trades Academy Programmes

The **Gateway** programme offers structured workplace learning opportunities to selected senior students. It is designed to strengthen the pathway from school to work or further study by providing students with first-hand experience of potential career pathways. Students complete a work placement and have their learning assessed to gain Unit Standards (approximately 20 credits).

Twenty seven students each year are placed with various local employers for one day a week over a six to ten week period. In 2018 these included: Buckland Beach Kindergarten, Air NZ Engineering, South Auckland Motors, Faulkner Construction LTD, The Learning Ladder and Bucklands Beach Veterinary Clinic

The **STAR** programme offered by the Careers Department is for selected students who go out of school to STAR courses run by tertiary providers. Courses are always related to a career area of interest to the student and offer Unit Standards. They may be one day Taster Courses or Full Courses run one day a week for several weeks. In 2018 courses included programmes in: Travel & Tourism, Workplace First Aid, Computer Software, Computer Hardware and Broadcasting and Hospitality.

Trades Academy is a Level 2 tertiary partnership with MIT. As part of the Level 2 Vocational Studies class students choose a course at MIT which they attend one day a week for the full year. Some courses offered are: Building and Electrical, Engineering CAD, Engineering Refrigeration, Information Technology, Business Administration, Hospitality and Logistics. Courses are made up of approximately 30 NCEA Level 2 credits.

Gaining Entry to the Next Year Level

Detailed guidelines for course changes, option changes and criteria for course advancement from 2018 to 2019 will be issued to students later in the year. Requirements are outlined below and may be used as a guide to the minimum standards required for automatic advancement.

Remember that achievement in the next level of a subject often requires skills and knowledge gained from studying the previous level in that subject or related subjects. Students must work hard each year to achieve the necessary background to successfully progress from one level to the next.

Year 10 to Year 11:

Year 10 students apply for their Year 11 options at the end of Term 3, choosing either a CIE or an NCEA pathway with six subjects. Final acceptance into a pathway and their choice of subjects will be dependent on their results in the Year 10 End of Year Examinations held in Term 4.

Those students with a low total in the four core examinations - **English, Mathematics, Science and Social Studies** - will need to discuss their course with the Year 11 Level Dean, Mrs Bigwood.

CIE students may, if they wish, be able to include three single sciences in their options. To be considered for this, a minimum of 80% in the Year 10 Science examination and an average of 75% in the four core Year 10 examinations with no mark less than 65% must be attained.

Accelerated students who have completed IGCSE subjects in Year 10 may have a mixture of AS and IGCSE subjects in Year 11. They have special entry criteria for AS courses.

Year 11 to Year 12:

Advancement from NCEA Level 1 to a full NCEA Level 2 course:

- Best 4 subject total of 70 credits or more
- No subject with less than 14 credits in the best 4
- 14 credits or more in Mathematics
- 14 credits or more in NCEA Level 1 English (11ENG), English for Literacy (11ENL) or ESOL (11ESL).

AT LEAST 14 CREDITS IN A SUBJECT ARE REQUIRED FOR STUDY AT THE NEXT LEVEL. A STUDENT CANNOT STUDY A SUBJECT AT A HIGHER LEVEL IF THEY HAVE FEWER THAN 10 NCEA CREDITS IN IT UNLESS THEY OBTAIN PERMISSION FROM THE APPROPRIATE YEAR LEVEL DEAN.

Advancement from IGCSE to a full CIE AS course:

- All grades C or above with at least 2 x B grades
- C grade or better in Mathematics & English
- Students with other combinations must apply to Mrs Thompson, or for International Students, Mr Goodyer.

IF YOU ARE CHANGING TO NCEA YOU SHOULD HAVE AT LEAST GRADE D IN AN IGCSE SUBJECT TO CONTINUE IT TO NCEA LEVEL 2.

Year 12 to Year 13:

Advancement from NCEA Level 2 to NCEA Level 3:

- Best 4 subject total of 70 credits or more at Level 2
- No subject with less than 14 credits in the best 4
- At least 10 credits of University Entrance Literacy (5 Reading & 5 Writing) from NCEA Level 2 English, English (for Literacy) or ESOL.

TO CONTINUE A CIE SUBJECT FROM IGCSE TO AS LEVEL, GRADE C OR BETTER IS REQUIRED.

FOR AS MATHEMATICS STUDENTS MUST HAVE GRADE B OR BETTER IN IGCSE MATHEMATICS. FOR AS BIOLOGY, CHEMISTRY OR PHYSICS GRADE B OR HIGHER IN THE APPROPRIATE SINGLE SCIENCE IGCSE IS REQUIRED.

Continuation with CIE AS:

- 90 or more UCAS points in best 3 x AS subjects
- No subject less than D grade in these subjects
- D grade or better in English Literature AS (or University Entrance Literacy (5 Reading & 5 Writing) from NCEA Level 2 English or ESOL).

A STUDENT CANNOT STUDY A CIE SUBJECT AT A HIGHER LEVEL IF THEY HAVE A GRADE D OR LESS IN IT WITHOUT SENIOR MANAGEMENT PERMISSION.

Advancement from CIE AS to one or more subjects at A Level:

- Minimum of grade "C" in chosen subject(s)
- To study more than 1 x A Level a student should have attained University Entrance in Year 12
- Maximum of 3 x A Levels in one year

YOU MUST HAVE AS GRADE A, B, OR C IN A SUBJECT TO STUDY IT AT A LEVEL.

Compulsory Subjects / Number of Option Subjects

English is compulsory in Years 11 and 12:

- Year 11 students study
 - 11ENG NCEA Level 1 English *or*
 - 11ENL NCEA Level 1 English for Literacy *or*
 - 11ESL NCEA Level 1 ESOL *or*
 - 11ELC IGCSE English Literature *or*
 - 11ENC IGCSE English Language.
- Year 12 NCEA students study
 - 12ENG NCEA Level 2 English *or*
 - 12ENL NCEA Level 2 English for Literacy *or*
 - 12ESL NCEA Level 2 ESOL.
- Year 12 CIE students study
 - 12ELC AS English Literature *or*
 - 12ENC AS English Language *or*
 - 12ENG NCEA Level 2 English *or*
 - 12ESL NCEA Level 2 ESOL.
- Completion of any of these Year 12 courses will satisfy *Literacy* requirements for University Entrance.
- Accelerated students who successfully passed IGCSE English Literature in Year 10 may choose the AS English Literature or AS English Language programme in Year 11 and continue English to A Level in Year 12. Alternatively they will study IGCSE English Language.

Mathematics is compulsory in Year 11:

- Most Year 11 students study
 - 11MAT NCEA Level 1 Mathematics *or*
 - 11MTC IGCSE Mathematics
- Students who find the subject difficult study 11MNU NCEA Level 1 Mathematics (Numeracy) which has NCEA Level 1 internal Achievement standards and internal numeracy unit standards.
- Completion of any of these three courses will satisfy *Numeracy* requirements for University Entrance.
- Some selected students will be invited to take a combined IGCSE/AS Mathematics programme.
- Accelerated students who pass Mathematics IGCSE (with at least 85%) in Year 10 may choose 12MTC the AS Mathematics programme, others may choose 12MAC the 1st Year of a 2 Year AS course.

Core Physical Education and Health is compulsory for most students in Years 11 and 12.

Number of subjects:

- **Year 11** students study a SIX subject course including an English course, a Mathematics course, a Science course and three option subjects plus two Physical Education periods.
- **Year 12 NCEA** students must study a FIVE subject course including an English course and four other option subjects plus core Physical Education / Study.
- Students studying **NCEA Level 3 in Year 13** usually study FIVE option subjects. It may be possible in exceptional circumstances, with permission from Mr Mackenzie, to study only four subjects.
- For some students it may be appropriate to study a mixed level programme, eg four NCEA Level 3 subjects and one Level 2 subject.
- Students studying **CIE in Year 12** usually study FOUR subjects including an English course or ESOL.
- Some Year 12 CIE students, with permission from the Year 12 Dean Mrs Thompson, will be able to study NCEA Level 2 English plus four AS subjects.
- Students usually study FOUR subjects including a mix of AS and A Levels in a **Year 13 CIE** course.
- CIE students may be able to study five CIE subjects if they have very good results in the preceding year and permission from the appropriate Dean - Mrs Thompson for Year 12, or Mr Mackenzie for Year 13.
- The maximum number of A Levels students may study in one year is generally three.
- CIE students should plan a two year programme for AS and A Level subjects in Years 12 and 13.
- Year 11 students can include ONE subject from the other pathway if it is NOT offered in their main pathway. They must have approval from the Year 11 Dean, if they wish to take two. Year 12 and 13 students MAY be able to take ONE subject not offered in their main pathway with permission from the appropriate Dean - Mrs Thompson or Mr Mackenzie (Mr Goodyer for International Students).

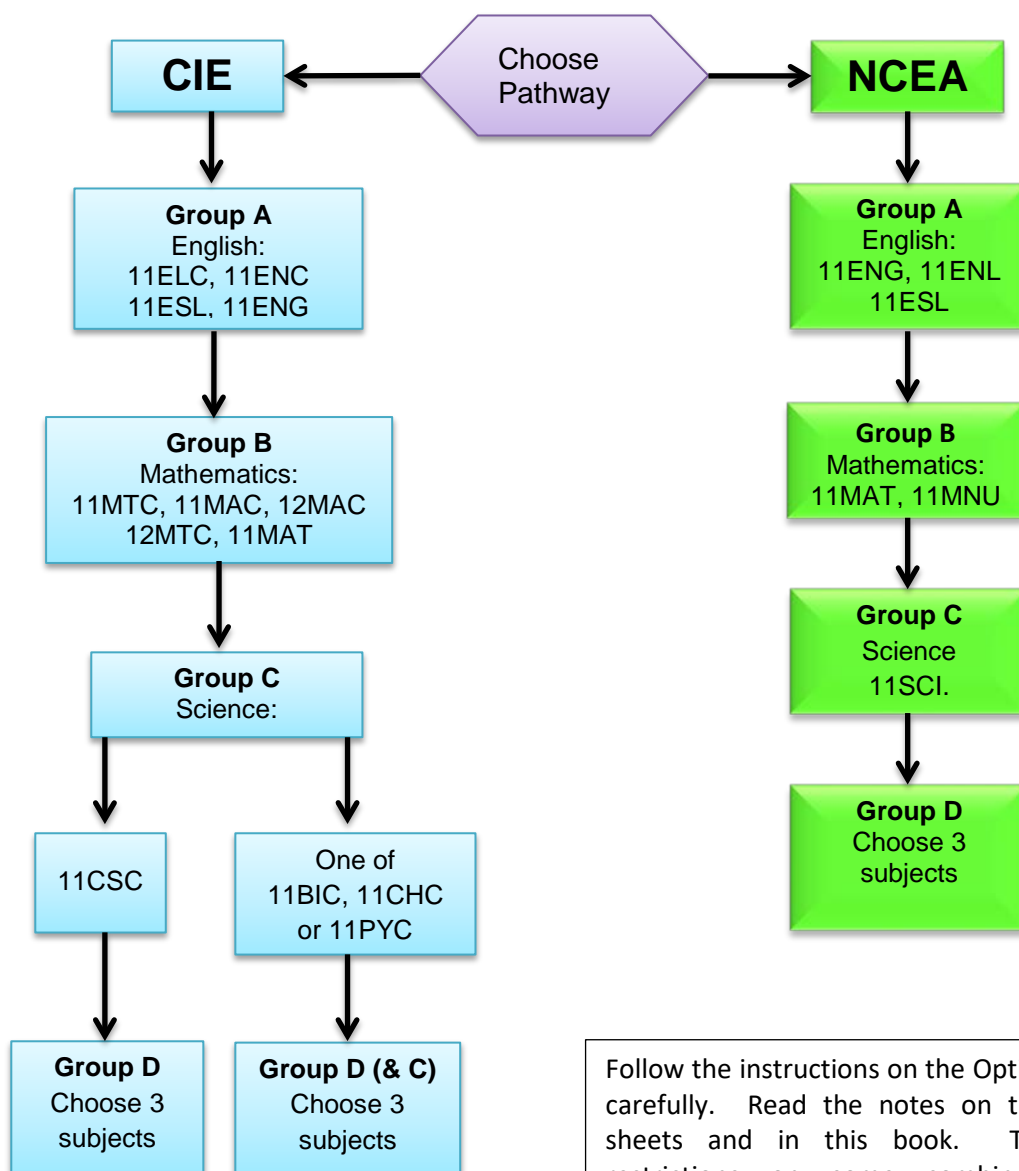
Choosing your Option Subjects in Year 11:

Students must work hard each year to achieve the necessary background to successfully progress from one year level to the next. Year 10 students apply for their Year 11 options at the end of Term 3 choosing either a CIE or an NCEA pathway with six option subjects.

Final acceptance into a pathway and your choice of subjects will be dependent on your results in the Year 10 End of Year Examinations held in Term 4. The on-line subject details include specific entry requirements and recommended backgrounds for each subject offered in Year 11, 12 and 13.

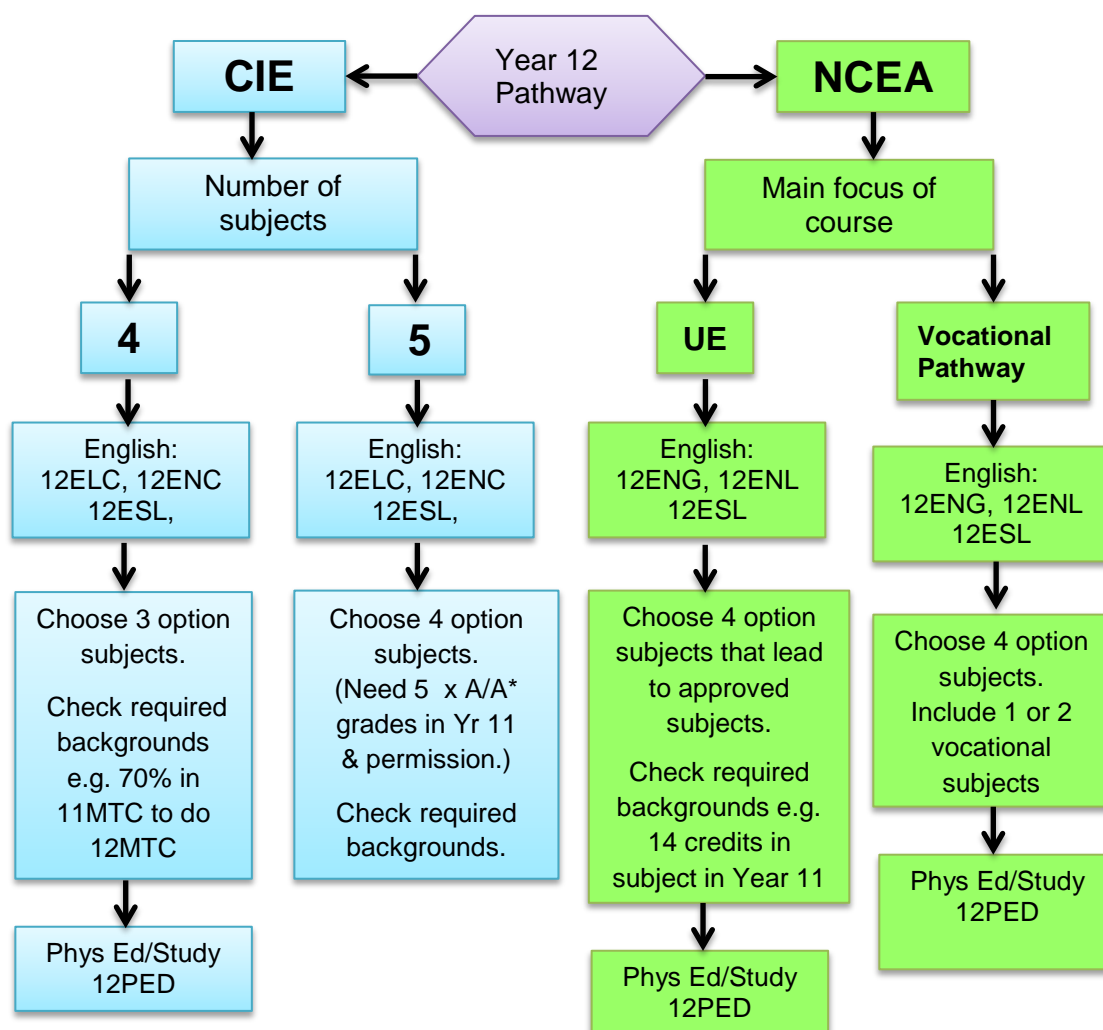
Those students with low results in the four core examinations - **English, Mathematics, Science and Social Studies** will need to discuss their course with the Year 11 Dean, Mrs K Bigwood in November.

If you wish to include three single sciences in your options you must seek permission from Mrs Bigwood, Year 11 Dean. To be considered for this you will need a minimum of 80% in the Year 10 Science examination and have an average of **75%** or better in your **four** core Year 10 exams with no subject less than **65%**.

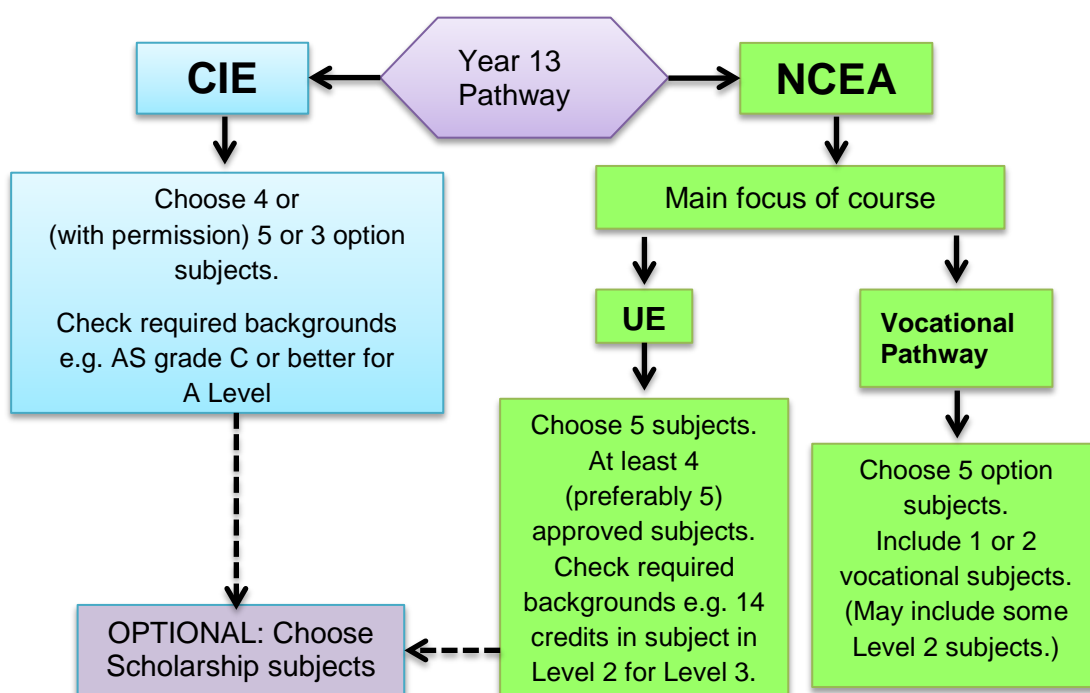


Follow the instructions on the Option Sheets carefully. Read the notes on the option sheets and in this book. There are restrictions on some combinations of subjects. Make sure that you have chosen a broad based course and have sought permission if your chosen course requires it.

Year 12 Option Choice Flowchart :



Year 13 Option Choice Flowchart:



Re-assessment / Absences / Trips / Appeals

The school has written policies covering these aspects of NCEA and CIE. All students are given a summary of the key policy statements for each of their subjects at the start of the school year.

There are NO re-assessment opportunities for internally assessed NCEA standards but a re-submission is possible in some subjects. Always aim to achieve the highest grade you can.

There is generally no reassessment opportunity for CIE. If a student misses a CIE examination or practical for any reason, including illness, it is **unlikely** that a compassionate aegrotat assessment will be granted.

Examination Entry and Fees

Entry fees for the National Certificate of Educational Achievement (NCEA) Levels 1, 2 and 3 and Cambridge International Examinations (CIE) - IGCSE, AS and A Levels are collected in July/August by the school on behalf of the New Zealand Qualifications Authority and Cambridge International Examinations.

NCEA

Current Fees for DOMESTIC Students (New Zealand citizens and holders of Permanent Residency Visas):

Entry for all NZQA standards	\$76.70
Entry for each Scholarship subject	\$30.00 per subject

It is possible, in cases of financial hardship, to apply for financial assistance to subsidise payment of the NZQA fees for Domestic Students. (This is not available to International Students.)

NCEA students who have CIE subjects in their timetable must pay the CI fees as well as their NZQA fees.
Example: Fee for 5 x NCEA subjects + 1 x IGCSE subject = \$257.70

Current Fees for INTERNATIONAL Fee-Paying Students:

Entry for all NZQA standards	\$383.30
Entry for each Scholarship subject	\$102.20 per subject

CIE

Details of the current fees charged in **2018** are shown below, these are subject to change but may be used as an **indication** of the fees to be charged in **2019**.

Fees are the same for **Domestic** and **International** Students. They are set each year by Cambridge International Examinations in UK Sterling (£) and converted to Dollars (NZ\$).

The fees are indicative only and may be subject to change due to currency fluctuation.

It should be noted that CIE fees are more expensive than NCEA fees and it is **NOT** possible to apply for financial assistance.

IGCSE (Indicative Charges):		AS / A Level (Indicative Charges):	
CIE Admin Fee (Macleans College)	\$70.00	CIE Admin Fee (Macleans College)	\$70.00
per Subject Fee	\$111.00	per Subject Fee AS or A2 Level	\$116.00
		per Subject Fee A Level (AS + A2)	\$175.00
		AS Sciences Practical Additional Fee	\$40.00
		AS, IGCSE Art Practical Additional Fee	\$40.00
<i>Example: Fee for 6 x IGCSE Subjects = \$736.00</i>		<i>Example: Fee for 4 x AS Subjects = from \$534.00</i>	

CIE students who have NCEA subjects in their timetable, or who wish to enter Scholarship, must pay the NZQA fees as well as their CIE fees. *Example: Fee for 5 x IGCSE subjects + 1 x NCEA Level 1 subject = \$701.70*

All students will be expected to enrol for all their timetabled course of NCEA, CIE or combined CIE / NCEA subjects and sit the appropriate examinations at the end of the year.

Please note: The CIE examinations at the end of year are completed earlier than the NCEA examinations.

Scholarship Examinations

Scholarship exams are designed to challenge, identify and recognise New Zealand's top students, and provide them with monetary rewards. Scholarship students will be expected to demonstrate high-level analytical skills and critical thinking, abstraction and generalisation, and to integrate, synthesise and apply knowledge, skills, understanding and ideas to complex situations. It will be demanding for the most able students. Approximately 3% of the number of students studying each subject at Level 3 will gain Scholarship. Up to 0.4% of the number in each subject whose performance is exceptionally good will be awarded Outstanding Scholarship.

Scholarship candidates must be enrolled full-time at a New Zealand secondary school in the year of examination, undertaking a course in the appropriate subjects. At Macleans College high achieving NCEA Level 3 and CIE A Level students will be able to sit Scholarship. Well prepared CIE AS students may be suitable candidates in some subjects.

To be eligible to receive a national scholarship monetary award, a student must be enrolled in tertiary study in New Zealand for the years in which they receive monetary awards. For awards with second or subsequent year payments recipients must maintain a 'B' grade average during their tertiary study in New Zealand. Eligible candidates can defer taking up their monetary awards for one year. A candidate needs to attain their three or more Scholarship awards in the same year to be eligible for the awards of Scholarship, Outstanding Scholar or Premier Scholar.

Students attending overseas universities are not eligible for the national Scholarship monetary awards. Macleans College will reward these students, if they achieve awards in the Scholarship examinations, with one-off monetary payments.

National Awards

Premier Scholar*

The very top 5 to 10 students who achieve at least 3 Scholarships at Outstanding, \$10,000 each year for up to 3 years

Outstanding Scholar*

The next 40 to 60 top students, who achieve at least 3 Scholarships with at least 2 Outstanding, or more than 3 Scholarships with at least 1 Outstanding, \$5,000 each year for 3 years

**The number of recipients for these awards is restricted and achieving the minimum requirement will not guarantee an award.*

<i>Top Subject Scholar</i>	Top in subject	- \$2000 each year for 3 years
<i>Scholarship</i>	3 or more Scholarships	- \$2000 each year for 3 years
<i>Single Subject</i>	1 or 2 Scholarships	- a "one-off" award of \$500 per subject

Scholarship Subjects Offered at Macleans College:

Accounting	Design & Visual Communication	Geography	Physics
Biology	Drama	History	Spanish
Calculus	Earth & Space Science	Japanese	Statistics
Chemistry	Economics	Media Studies	Textiles
Chinese	English	Music Studies	Visual Arts - Painting
Classical Studies	French	Physical Education	Visual Arts - Photography

- Scholarship Subject Details are available on the school website.
- A programme of Scholarship classes, lectures and seminars will be held during Terms 1, 2 and 3. Some will be in timetabled classes, some before or after school. Attendance at these will be compulsory for Scholarship candidates.

Entry to Certificate and Diploma Courses

Certificate courses (Levels 1,2,3) at polytechnics or private training providers require at least 3 years of secondary education, for example, successful completion of Year 11 with NCEA Level 1 credits with at least 10 credits in NCEA Level 1 English. For some courses credits in particular subjects will be required.

Many **Diploma** and some **Certificate** courses (Levels 4, 5, 6) at polytechnics or private training providers, require successful completion of Year 12 credits at NCEA Level 2 (often 48 or more) or 60 UCAS points in CIE AS. Some courses require, or recommend, particular Year 12 subjects. Some courses require a higher academic standard or have additional requirements e.g. a greater number of Level 2 credits, Level 3 credits, particular subjects, interview, portfolio, audition, or Curriculum Vitae.

It is important to check the requirements for each course and each provider as they vary.

Entry to New Zealand Universities

The *Common Entrance Standard* is the minimum standard which must be met to gain entry to university in New Zealand. It is laid down by the New Zealand Vice Chancellors Committee. It is the standard required for entry to all undergraduate degree programmes in New Zealand.

Students should note that UE is the **minimum** requirement for entry to degree programmes - most university courses require a higher standard for entry. (See pages 27 to 33).

To meet the *Common Entrance Standard* for UE to New Zealand universities and other undergraduate degree programmes in New Zealand, students must meet three requirements:

- A general subject standard
- A *Literacy* standard
- A *Numeracy* standard

Combining NCEA and CIE Pathways

The General Subject standard must be met entirely from one pathway. Universities and polytechnics have some flexibility in recognising Literacy and Numeracy standards from either pathway. Students are encouraged to study subjects which enable them to gain their University Entrance from one pathway.

Limited Entry Degree Courses

As well as gaining University Entrance, students will need to satisfy additional requirements for competitive entry to a large number of degree programmes. Information for some of these is on the following pages. Every care has been taken with the accuracy of this information, at the time of printing, for entry to courses in 2019 but requirements may change so students must check prospectuses and websites carefully to ensure that they have the latest information.

Entry to Overseas Universities

Qualifications required for entry to courses at overseas universities vary enormously. Many require high academic achievement and may also consider involvement in extra-curricular activities, leadership and community engagement. It is essential that students interested in studying overseas prepare thoroughly, start planning early and carefully check websites and prospectuses for details. It is important to start gathering information and making applications at least a year ahead as the process is very time consuming. Website links and information sheets are available on the school website:

Student Life > Careers > Overseas Universities > Australian, American or United Kingdom universities.

NCEA – University Entrance

General standard:

Achievement of NCEA Level 3 Certificate: (Requires achieving at least 80 credits - 60 credits or more must be at Level 3 or higher and up to 20 credits at Level 2 or higher also at least Level 1 *Numeracy & Literacy*).

A minimum of 14 credits at Level 3 or higher in each of three subjects from the list of approved subjects. (The remaining credits to achieve NCEA Level 3 may come from either achievement or unit standards).

Literacy standard:

A minimum of 10 credits at Level 2 or higher in English or Te Reo Maori; 5 credits must be in Reading and 5 credits must be in Writing. The literacy credits will be selected from a schedule of approved achievement standards and unit standards found on www.nzqa.govt.nz

Numeracy standard:

A minimum of 10 credits at Level 1 or higher in Mathematics from specific Achievement standards or three specific Numeracy Unit standards.

<u>General</u> NCEA Level 3 Certificate	Approved Subject 1 (14 credits)		Approved Subject 2 (14 credits)		Approved Subject 3 (14 credits)	At least 38 further credits (18 credits at Level 3 or above and 20 credits Level 2 or above)
	<u>Literacy</u> Level 2 (or above) 10 credits		Reading (5 Credits)	Writing (5 Credits)		
	<u>Numeracy</u> Level 1 (or above) 10 credits		Mathematics/Numeracy (10 credits)			
	NOTE: These are minimum degree entry requirements. Many courses will have higher entry requirements.					

NOTES:

The minimum *Literacy* requirement for University Entrance is 10 credits - 5 Reading credits and 5 Writing credits. However, students are strongly recommended to achieve a total of **17 or more credits** in NCEA Level 2 or 3 English. This is the level of Academic English literacy required for entry to all degrees at the University of Auckland.

NCEA Approved Subjects:

Year 13 students who plan to study for a degree should select at least four, preferably five; Level 3 *approved* subjects that have all or most of their credits from Achievement Standards. The subjects *approved* for University Entrance which will be offered at Macleans College in 2019 are listed below.

Approved Subjects offered at Macleans College in 2019		NCEA Level 3
Art (Design)	Design & Visual Communication	Mathematics (Calculus)
Art (Painting)	Digital Technologies	Mathematics (General)
Art (Photography)	Drama	Music
Biology	Economics	Physical Education
Business Studies	English	Physics
Chemistry	Geography	Robotics & Product Design
Chinese	History	Spanish
Classical Studies	Maori	Social Studies
Dance	Media Studies	Textiles

NCEA Requirements for Entry to New Zealand Universities in 2019 (Rank Scores)

In recent years the Universities of Auckland, Canterbury, Otago, Massey and Victoria Universities have specified higher admission requirements for entry to all or some of their undergraduate degree programmes. These are **in addition to satisfying the Common Entrance Standard (University Entrance)** and any specific requirements for limited entry degrees:

- **University of Auckland** - use selected entry for all programmes with specified guaranteed entry scores for each degree. *See next page.*
- **University of Canterbury** – Preferential Entry will be given to applicants who achieved an NCEA Level 2 Certificate Endorsed with Excellence or Merit in Year 12 or achieve an NCEA Level 3 rank score of 150.
- **Massey University** - The preferential score required for most degrees in 2019 will be an NCEA Level 3 rank score of 140.
- **University of Otago** - Preferential Entry will be given to applicants who have an NCEA Level 3 rank score of 140, or achieved their NCEA Level 2 Certificate Endorsed with Excellence or Merit in Year 12, or have been offered a place in a Hall of Residence.
- **Victoria University of Wellington** - have a Guaranteed Entry Score (GES). The GES for most degrees in 2019 will be an NCEA Level 3 rank score of 150.
- **University of Waikato, AUT University and Lincoln University** accept students with UE into most (but not all) of their programmes.

Guaranteed Entry Score (GES) / Preferential Entry Score

These scores are calculated by the universities using NCEA rank scores or CIE UCAS Tariff scores.

To calculate an NCEA Rank Score:

- Based on the student's **80 best credits** in University Entrance achieved over a maximum of five **approved** subjects at Level 3 (or higher), and weighted by the level of achievement.
- The scores awarded are: four points for Excellence, three points for Merit and two for Achieved.
- The maximum possible score is 320.
- A maximum of 24 credits in each subject may be counted.
- If fewer than 80 credits are achieved the rank score will be based on those credits gained.
- If more than 80 credits are achieved the credits with the highest level of achievement will be used.
- Students are strongly advised to take approved subjects and Achievement Standards wherever possible in their school programme both for entrance purposes and as the best preparation for university study.

Example Calculation

Results		A	M	E
Chemistry	25	17	8	
Geography	24		9	15
Mathematics (Calculus)	19	3	4	12
Physics	21	6	12	3
Mathematics (Statistics)	17	4	4	9
NCEA Level 3 Credits TOTAL	106	30	37	39

BEST 80 CREDITS:		
Excellence	39 x 4	= 156
Merit	37 x 3	= 111
Achieved	4 x 2	= 8
TOTAL	80	275

Only 4 Achieved credits used in calculation as student has more than 80 credits

NCEA additional Requirements for Selective Degree Courses in 2019:

Note: This is a guide to assist with subject choice. Students must check current websites and prospectuses for more complete details.

All Universities & Polytechnics in New Zealand

Bachelor of Fine Arts Bachelor of Visual Arts Bachelor of Design	Portfolio, supplementary application and interview
Bachelor of Music Bachelor of Performing Arts	Audition (CV, supplementary application, music certificates, references and/or interview)
Bachelor of Education (Teaching)	Interview, Referees, School visit, Supplementary application Meet requirements of the NZ Teachers Council, Police Clearance
Bachelor of Laws (LLB)	Entry to Part I is dependent on acceptance into another degree programme. Selection into Part II based on results in the first year of university.
Bachelor of Engineering (Hons)	High Rank Score, Level 3 Mathematics & Physics, (Level 2 or 3 Chemistry)
Conjoint / Double / Joint Degrees	Higher Rank Score. Satisfy requirements for both degrees.

Auckland University

Bachelor of Architectural Studies	230, Portfolio, Written Statement, Minimum 16 credits in each of one Table A and one Table B subject
Bachelor of Arts	150
Bachelor of Commerce	180, Minimum 16 credits in each of three subjects
Bachelor of Property	from Table A &/or Table B
Bachelor of Dance Studies	150, CV. Written Statement. Audition/Interview
Bachelor of Education (Teaching)	150, Interview, Police Check, Referees' Reports
Bachelor of Social Work	
Bachelor of Engineering (Hons)	260, Minimum 17 external credits in Calculus & 16 external credits in Physics
Bachelor of Fine Arts	150, Portfolio of creative work. Written Statement.
Bachelor of Global Studies	210, Minimum 16 credits in each of three subjects from Table A &/or B &/or Languages: Chinese, Maori, Spanish, (+ some other languages)
Bachelor of Health Science	250, Minimum 18 credits in each of one Table A and one Table B subject
Bachelor of Laws (LLB)	Meet the requirements for and be offered a place in another degree
Bachelor of Music	150, statement of musical background. Music certificates. Referee's report. + Audition for Performance. + Portfolio for Composition.
Bachelor of Nursing	230, Minimum 18 credits in one Table A subject and a minimum 18 credits from one of Level 3: Biology, Chemistry or Physics
Bachelor of Science	280, Biomedical Science. 200, Food Science and Nutrition / Exercise Sciences 165, Other majors / specialisations
Bachelor of Advanced Science (Hons)	260
Bachelor of Sport, Health & Physical Education	150
Bachelor of Urban Planning (Hons)	230, Written Statement

TABLE A – NCEA Level 3 Subjects:		TABLE B – NCEA Level 3 Subjects:	
Art History	Geography	Accounting	Calculus
Classical Studies	History	Biology	Mathematics
English	Te Reo Maori	Chemistry	Statistics
Please note: NCEA Business Studies is an <i>approved</i> subject but is currently NOT in Table A or B.		Digital Technologies	Physics
		Economics	

AUT University

Bachelor of Communication Studies	Completion of Year 13, highest level of academic achievement selected, Rank Score 180, 14 credits in each of 2 Table A subjects or Drama, Media Studies or Social Studies with some merits and excellences. CV. Written statement.
Bachelor of Computer & Information Sciences	Guaranteed entry for students with UE and one or more subjects from Level 3 Calculus, Mathematics or Statistics.
Bachelor of Engineering Tech	Level 3 in one of Calculus or Mathematics, at least Level 2 Physics
Bachelor of Engineering (Hons)	Guaranteed entry for students with rank score 250 and 14 credits in each of Level 3 Calculus & Level 3 Physics including all externals
Bachelor of Health Science (Physiotherapy)	Highest academic achievement selected. Police clearance. Interview.
Bachelor of Health Science (Nursing)	One Science or Mathematics subject and one Table A subject or Drama, Media Studies or Social Studies. Highest academic achievement selected. Police clearance, references, interview.
Bachelor of Medical Laboratory Science	Level 3 Biology, Chemistry and Mathematics (Statistics). Police clearance.

Massey University

Bachelor of Engineering (Hons) Bachelor of Food Tech (Hons)	Minimum 16 credits in both Level 3 Physics and Level 3 Mathematics (Calculus) (+ 14 credits in Chemistry for Food Technology and Chemical Bioprocessing)
Bachelor of Speech & Language Therapy	Minimum 14 credits in Level 3 English plus 16 Level 3 credits in one of Biology, Chemistry, Mathematics (Calculus) or Statistics or Physics. Written statement. References. Interview. Police clearance.
Bachelor of Veterinary Science	UE entry to 1 st semester. 10 days practical veterinary work experience prior to application. A limited number of students with top grades will be selected into the professional programme on the basis of their first semester, STAT results & Interview. Recommended: at least 14 credits in each of: L3 Chemistry, L3 Biology, L3 Physics, L3 Mathematics, Statistics or Calculus and L2 English.
Bachelor of Aviation	Series of tests. Medical. Interview. Recommended: Calculus, Physics and at least 14 credits in a Table A subject

University of Otago

Health Sciences First Year	Competitive entry to 2 nd year clinical programmes. Recommended: Chemistry, Biology, Physics, Mathematics and writing subjects.
Bachelor of Dental Technology	Competitive entry. Required: Minimum 14 credits Level 3 Chemistry and 14 credits Level 2 Physics. Recommended: At least Level 2 Biology.
Bachelor of Oral Health	Competitive entry. Biology and English to at least Level 3.
Bachelor of Radiation Therapy	Competitive entry. Interview. Written Statement. Department visit. Level 3 English or a Table A subject plus Mathematics (Calculus or Statistics) and Biology or Physics.
Bachelor of Surveying	Competitive entry to 2 nd year. Recommended: English, Geography, Physics, Mathematics (Calculus) and Statistics.

Victoria University

Bachelor of Architectural Studies	180 for entry to 1 st year, no Portfolio required, competitive entry to 2 nd year
Bachelor of Building Science	180

CIE – University Entrance

General standard:

CIE candidates presenting AS or A Level must gain a minimum of 120 points on the UCAS Tariff *and* a minimum Grade of D in *each of* at least 3 subjects equivalent to subjects in the approved list.

Literacy standard:

A CIE candidate with an E Grade or better in English (Literature) AS or English Language AS will be deemed to have satisfied the literacy requirements of the university entrance standard.

Numeracy standard:

Grade D or better in Mathematics IGCSE will be deemed to have satisfied the numeracy requirements of the university entrance standard. (Mathematics taken at AS, will also satisfy the numeracy requirement. Mathematics IGCSE is the minimum acceptable).

The UCAS Tariff score is accumulated over a maximum of 6 best subject units. An AS counts as 1 unit, an A Level counts as 2 units. UCAS tariff points can be accumulated over one or two years. See example calculations *page 30*. Pre-U subjects with D1, D2 or D3 grades will earn higher UCAS points see *page 16*.

Grade	% Marks	UCAS Tariff Score	
		AS	A Level
A*	90 – 100	-	140
A	80 – 100	60	120
B	70 – 79	50	100
C	60 – 69	40	80
D	50 – 59	30	60
E	40 – 49	20	40

General

AS or A level

(UCAS total for best 6 subjects 120 points)

Approved
Subject 1
(D or above)

Approved
Subject 2
(D or above)

Approved
Subject 3
(D or above)

Up to 3 other
subject units to
complete a
UCAS points
total of 120.

Literacy
AS (or above)

English Literature
or English Language
(E or above)

Numeracy
IGCSE (or above)

Mathematics
(D or above)

NOTE: These are minimum degree entry requirements. Many courses will have higher entry requirements.

NOTE: AS English Grade E is the minimum Literacy requirement for University Entrance. However, students are strongly advised to achieve a Grade D or better. This is the level of academic English literacy required for entry to all degrees at the University of Auckland.

CIE Approved Subjects:

All CIE AS and A Level subjects offered at Macleans College are equivalent to *approved* subjects. AS is the minimum University Entrance level in New Zealand for most degrees. However, some degrees require particular subjects and may require them at A Level.

Approved Subjects offered at Macleans College in 2019				CIE AS/A Level	
Accounting	AS/A	Classical Studies	AS	Japanese	AS
Art (Design)	AS	Computer Programming	AS/A	History (European)	AS
Art (Painting)	AS/A	Design & Technology (Graphics)	AS/A	History (Dictators)	A
Art (Photography)	AS	Economics	AS/A	Mathematics	AS/A
Biology	AS/A	English Literature	AS/A	Music	AS/A
Business Studies	AS/A	English Language	AS/A	Physics	AS/A
Chemistry	AS/A	Further Mathematics	A	Spanish	AS/A
Chinese	AS/A	Geography	AS/A	Textiles	AS

CIE Requirements for Entry to New Zealand Universities in 2019 (UCAS Tariff Scores)

In recent years the Universities of Auckland, Canterbury, Otago, Massey and Victoria Universities have specified higher admission requirements for entry to their undergraduate degree programmes. These are **in addition to satisfying the Common Entrance Standard (University Entrance)** and any specific requirements for limited entry degrees:

- **University of Auckland** - use selected entry for all programmes with specified guaranteed entry scores for each degree. Some scores have been increased. *See next page.*
- **University of Canterbury** – Preferential Entry will be given to applicants with a CIE UCAS score of at least 160.
- **Massey University** - The preferential score required for most degrees in 2019 will be a CIE UCAS score of 140.
- **University of Otago** – Preferential Entry will be given to applicants who have a UCAS score of 140, or have been offered a place in a Hall of Residence.
- **Victoria University of Wellington** - have a Guaranteed Entry Score (GES). The GES for most degrees in 2019 will be a CIE UCAS score of 160.
- **University of Waikato, AUT University and Lincoln University** accept students with UE into many (but not all) of their programmes.

Guaranteed Entry Score (GES) / Preferential Entry Score

These scores are calculated by the universities using NCEA rank scores or CIE UCAS Tariff scores.

To Calculate a CIE UCAS Tariff Score:

- The UCAS Tariff Score is calculated using a maximum of 6 best subject units.
- Scores for each grade are shown in this table. The maximum possible score is 420.
- An AS counts as one unit, an A Level counts as two units.
- Once an AS grade has been “absorbed” into an A Level grade, it is not counted separately.

Grade	% Marks	UCAS Tariff Score	
		AS	A Level
A*	90 – 100	-	140
A	80 – 100	60	120
B	70 – 79	50	100
C	60 – 69	40	80
D	50 – 59	30	60
E	40 – 49	20	40

Example Calculation

Results	Level	%	Grade	UCAS
Mathematics	A	90	A*	140
Physics	A	72	B	100
English	AS	68	c	40
Geography	AS	81	a	60
Chemistry	AS	54	d	30

UCAS TARIFF BEST 6 UNITS:			
A Level	Grade A*	2 units	140 points
A Level	Grade B	2 units	100 points
AS	Grade c	1 unit	40 points
AS	Grade a	1 unit	60 points
TOTAL:		6 units	340 points

CIE Additional Requirements for Selective Entry Degree Courses in 2019:

Note: This is a guide to assist with subject choice. Students must check current websites and prospectuses for more complete details.

All Universities & Polytechnics in New Zealand

Bachelor of Fine Arts Bachelor of Visual Arts Bachelor of Design	Portfolio, supplementary application and interview
Bachelor of Music Bachelor of Performing Arts	Audition (CV, supplementary application, music certificates, references and/or interview)
Bachelor of Education (Teaching)	Interview. Referees (school visit). Supplementary application. Meet requirements of the NZ Teachers Council
Bachelor of Laws (LLB)	Entry to Part I is dependent on acceptance into another degree programme. Students will be selected into Part II on the basis of their results in their first year of university.
Bachelor of Engineering (Hons)	High UCAS score, A Level Mathematics, A Level Physics, for some specialisations AS or A Level Chemistry.
Conjoint / Double / Joint Degrees	Higher UCAS. Satisfy requirements for both degrees.

Auckland University

Bachelor of Architectural Studies	280, Portfolio. Written Statement. One subject from Table A and one subject from Table B.
Bachelor of Arts	150
Bachelor of Commerce	190, Three subjects from Table A and/or Table B
Bachelor of Property	150, CV, Written Statement. Audition/Interview
Bachelor of Dance Studies	150, CV, Written Statement. Audition/Interview
Bachelor of Education (Teaching)	150, Interview. Referees' reports. Police check.
Bachelor of Social Work	310, A Levels in Physics and Mathematics
Bachelor of Engineering (Hons)	150, Portfolio of creative work. Written statement.
Bachelor of Fine Arts	230, Three subjects from Table A &/or Table B &/or Languages: Chinese, Japanese, Spanish (+ some other languages)
Bachelor of Global Studies	300, One subject from Table A and one A Level subject from Table B.
Bachelor of Health Science	Meet the requirements for and be offered a place in another degree (1 st Yr)
Bachelor of Laws (LLB)	150, Statement of musical background. Music certificates. Referee's report. + Audition for Performance. + Portfolio for Composition
Bachelor of Music	280, One Table A subject and one A Level in: Biology, Chemistry or Physics
Bachelor of Nursing	310, Biomedical Science.
Bachelor of Science	200, Food Science and Nutrition / Exercise Sciences 170, Other majors / specialisations
Bachelor of Advanced Science (Hons)	310
Bachelor of Sport, Health & Physical Education	150
Bachelor of Urban Planning (Hons)	280, Written statement.

CIE TABLE A Subjects:	CIE TABLE B Subjects:	
Classical Studies	Accounting	Economics
English	Biology	Mathematics (Pure&Stats)
Geography	Business Studies	Physics
History	Chemistry	

AUT University

Bachelor of Communication Studies	Completion of Year 13. Highest level of achievement selected. Minimum 150 points on the UCAS Tariff Score over no more than 5 subjects including an AS grade C or above in at least one of Classics, English, Geography or History. CV. Written statement.
Bachelor of Computer & Information Sciences	Guaranteed entry for students with UE and A Level Mathematics.
Bachelor of Engineering(Hons)	Guaranteed entry with UCAS 300 & full A Levels in Mathematics and Physics.
Bachelor of Engineering Tech	Full A Level in Mathematics, at least AS in Physics.
Bachelor of Health Science (Physiotherapy)	Full A Levels preferred. Highest level of achievement selected, Police clearance. Interview.
Bachelor of Health Science (Nursing)	AS or A Level Table A subject or Drama and one of AS or A Level Biology, Chemistry, Physics or Mathematics. Highest level of achievement selected, Police clearance, References, Interview.
Bachelor of Medical Laboratory Science	AS or A Level Biology, Chemistry and Mathematics (including Statistics). Police clearance.

Massey University

Bachelor of Engineering (Hons) Bachelor of Food Technology	At least C grade in A Level Physics and Mathematics. (plus A level Chemistry grade C for Chemical & Bioprocessing Engineering and Food Technology)
Bachelor of Speech & Language Therapy	A higher UCAS Tariff score. At least three approved subjects including English and one of Biology, Chemistry, Mathematics or Physics. References, Interview.
Bachelor of Veterinary Science	140, for entry to 1 st semester. 10 days practical veterinary work experience. A limited number of students with top grades will be selected into the professional programme on the basis of their first semester, STAT results & interview. Recommended: A Level: Chemistry, Biology, Physics and Mathematics and AS English.
Bachelor of Aviation	Series of tests, medical, interview. Recommended: Mathematics and Physics, at least grade C in a Table A subject

University of Otago

Health Sciences First Year	140, for entry to 1 st year. Competitive entry to 2 nd year clinical programmes. Recommended: Chemistry, Biology, Physics, Mathematics & writing subjects.
Bachelor of Dental Technology	Competitive entry. A Level Chemistry, AS Physics, (AS Biology, Mathematics)
Bachelor of Radiation Therapy	Competitive entry. Interview. Department visit. Written statement. AS or A Level in a Table A subject, Mathematics and Biology or Physics.
Bachelor of Oral Health	Competitive entry. Biology and English to at least AS, preferably A Level.
Bachelor of Surveying	Competitive entry to 2 nd year. Recommended: English, Geography, Physics, Mathematics

Victoria University

Bachelor of Architectural Studies	GES, 170 entry to 1 st year, no Portfolio required, competitive entry to 2 nd year
Bachelor of Building Studies	GES, 170

Recommended Senior School Subjects for Degree Majors:

! This table is a general guide only, to assist with subject choice. Specific requirements will vary for each university or provider, for specific courses and from year to year. Always check current websites and prospectuses for up to date information.

* **Table A Subjects include 'language rich' subjects - English, History, Classical Studies, History of Art, Geography**
They may also include other writing subjects such as Drama, Social Studies, Media Studies

✓✓ Subjects with two ticks are very useful and highly recommended, for some degrees they are essential, required subjects.

✓ Subjects with one tick are useful, recommended subjects.

	Chemistry	Biology	Physics	Statistics	Calculus	*Table A Subjects	Other Subjects
--	-----------	---------	---------	------------	----------	-------------------	----------------

Agriculture / Animal Studies / Forestry / Horticulture:

Agribusiness		✓		✓	✓		Econ, Acct
Agricultural Science	✓✓	✓✓		✓✓		✓	
Animal Science	✓	✓✓	✓	✓		✓	
Equine Studies	✓✓	✓	✓	✓			
Forestry Science	✓	✓✓		✓✓		✓	
Veterinary Science	✓✓	✓✓	✓✓	✓✓		✓✓	
Veterinary Technology	✓✓	✓✓	✓✓	✓✓		✓✓	
Viticulture & Oenology	✓✓	✓✓		✓✓			

Arts / Humanities / Social Sciences:

Ancient History						✓✓	It is possible to begin BA majors without a background in those subjects - even languages. Students interested in studying for a BA who take and enjoy subjects such as English, History, Classics, Media Studies, Geography, Art History, Languages and Drama at school will be able to consider the full range of BA majors in Social Sciences, Humanities and Arts as options for university study.
Anthropology				✓		✓✓	
Archaeology				✓		✓✓	
Art History						✓✓	
Asian Studies				✓		✓✓	
Classical Studies						✓✓	
Conflict Resolution				✓		✓✓	
Criminology				✓		✓✓	
Development Studies				✓		✓✓	
Education				✓		✓✓	
Employment Relations				✓		✓✓	
English						✓✓	
English & New Media Studies						✓✓	
European Studies				✓		✓✓	
Film, TV & Media Studies				✓		✓✓	
Gender Studies				✓		✓✓	
History						✓✓	
International Relations				✓		✓✓	
Interpreting						✓✓	
Languages: Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Spanish, Te Reo Māori						✓✓	
Linguistics				✓		✓✓	Some courses listed under other degrees may also be studied for a BA. e.g. <ul style="list-style-type: none"> Economics Geography Mathematics, Psychology Statistics.
Maori Studies						✓✓	
New Zealand Studies				✓		✓✓	
NZ Sign Language & Deaf Studies						✓✓	
Pacific Island Studies				✓		✓✓	
Philosophy					✓	✓✓	
Political Science				✓		✓✓	
PPE - Politics, Philosophy & Economics				✓		✓✓	
Sociology				✓		✓✓	
TESOL						✓✓	
Theatre Studies				✓		✓✓	
Theology						✓✓	
Translation						✓✓	
Writing Studies						✓✓	

	Chemistry	Biology	Physics	Statistics	Calculus	*Table A Subjects	Other Subjects
--	-----------	---------	---------	------------	----------	-------------------	----------------

Aviation:

Aviation - pilot			✓✓		✓✓	✓✓	Medical, aptitude test, interview
Aviation Management				✓		✓	

Commerce / Business:

Accounting				✓✓	✓	✓	Accounting, Economics & Business Studies are useful. (N.B. Can't count all 3 for UE.)
Advertising				✓		✓✓	
Commercial Law				✓		✓	
Communication							
Economics				✓✓	✓✓	✓	
Employment Relations							
Finance				✓✓	✓✓	✓	
Human Resource Management				✓		✓	
Information Management				✓✓	✓	✓	
Information Science				✓✓	✓	✓	
Innovation & Entrepreneurship				✓		✓	
International Business				✓✓	✓	✓	Languages
Management				✓✓		✓	Accounting, Economics & Business Studies are useful.
Marketing				✓		✓	
Operations Research				✓	✓✓	✓	
Property				✓		✓	
Retail & Sales				✓		✓✓	
Sustainable Enterprise							
Taxation				✓	✓	✓	

Communication:

Advertising				✓		✓✓	Design, Media St
Broadcast Journalism						✓✓	Media, Drama
Creative Industries						✓✓	Media Studies
Journalism (Print)						✓✓	Media Studies
Public Relations						✓✓	Media Studies
Radio						✓✓	Drama
TV & Screen Production						✓✓	Drama

Creative / Performing Arts: ✓✓Entry may require additional Portfolio, Audition, Interview, CV etc

Architecture			✓		✓	✓	Art Painting, Art Design, Art Photography, Design & Visual Communication, Graphics, Art History
Landscape Architecture		✓		✓	✓	✓	
Colab: Creative Technologies			✓	✓	✓	✓	
Digital Design				✓	✓	✓	
Graphic Design				✓		✓	
Illustration							
Industrial / Product Design			✓	✓	✓	✓	
Photography						✓	
Fine Arts, Visual Arts						✓✓	
Visual Communication						✓	
Fashion Design						✓	Art: Design, Photography, Graphics, Textiles
Interior / Spatial Design				✓		✓	
Textile Design	✓					✓	
Urban Planning				✓		✓✓	Econ, Geo, Art
Creative Media Production						✓✓	Media Studies
Dance / Dance Studies						✓	Dance, Drama
Music – Composition, Contemporary, Performance, Popular, Technology						✓	Music, Languages
Performing Arts						✓	Drama, Dance, History
Screen / Theatre Arts			✓			✓	Art: D, Ph Textiles
Screen Production						✓✓	Drama, Art

	Chemistry	Biology	Physics	Statistics	Calculus	*Table A Subjects	Other Subjects
--	-----------	---------	---------	------------	----------	-------------------	----------------

Education / Social Work:

Social Work / Human Services				✓✓		✓✓	Economics
Teaching (Primary)	At least L2 English, Maths, Science					✓✓	
Teaching (Secondary)					Focus on possible teaching subjects		

Engineering / Applied Science / Technology:

Actuarial Science				✓✓	✓✓	✓	Economics
Aquaculture & Fisheries	✓✓	✓✓	✓	✓✓	or ✓	✓	Geography
Biotechnology	✓✓	✓✓	✓	✓	✓		
Clothing & Textile Sciences	✓✓	✓	✓	✓	or ✓	✓	
Computational Modelling			✓	✓✓	✓✓		
Computer Systems			✓✓		✓✓	✓	
Construction Management			✓	✓	✓✓		Economics
Consumer Food Science		✓✓		✓		✓	Business
Electronics	✓	✓	✓✓	✓	✓✓		
Energy Management	✓	✓	✓✓	✓	✓		Geography
Engineering - Electrical	✓		✓✓	✓	✓✓		
Engineering - Biomedical	✓	✓	✓✓	✓	✓✓		L2 Chemistry
Engineering - Chemical	✓✓		✓✓		✓✓		
Engineering - Civil	✓		✓✓	✓	✓✓	✓	Geography
Engineering - Environmental	✓	✓	✓✓	✓	✓✓	✓	Geography
Engineering - Mechanical	✓		✓✓	✓	✓✓	✓	Graphics
Engineering - Mechatronics	✓		✓✓	✓	✓✓		Graphics
Engineering - Software			✓✓	✓	✓✓		
Engineering Science	✓		✓✓	✓	✓✓		
Environmental Management	✓	✓✓	✓	✓✓	or ✓✓	✓	Geography, Econ
Food Technology	✓✓		✓✓		✓✓		
Forensic Analytical Science	✓✓	✓✓	✓	✓✓	or ✓		
Geographic Info Systems (GIS)		✓		✓✓	✓✓	✓	Econ, Geography
Health Protection	✓✓	✓✓		✓✓		✓	
Quantity Surveying			✓	✓	✓✓		
Resource & Environmental Planning				✓✓		✓	Geography
Telecommunications	✓		✓	✓	✓	✓	

Health:

Applied Mental Health	✓	✓		✓		✓✓	C/V, Interview
Biomedical Sciences	✓✓	✓✓	✓✓	✓✓		✓	
Dental Technology	✓✓	✓	✓✓	✓		✓	Art
Dentistry	✓✓	✓✓	✓✓	✓✓		✓✓	Entry after 1st year
Health Promotion	✓	✓		✓		✓✓	
Health Science First Year	✓✓	✓✓	✓✓	✓✓		✓✓	
Health Science	✓✓	✓✓		✓✓		✓✓	
Medical Imaging		✓✓	✓✓	✓	✓✓	or ✓✓	
Medical Laboratory Science	✓✓	✓✓		✓✓		✓	
Medical Radiation Therapy		✓✓	✓✓	✓	✓✓	or ✓✓	
Medicine	✓✓	✓✓	✓✓	✓✓		✓✓	Entry after 1st year
Midwifery	✓	✓		✓		✓✓	
Nursing	✓	✓		✓		✓✓	
Occupational Therapy	✓	✓	✓			✓✓	
Optometry	✓✓	✓✓	✓✓	✓✓		✓✓	Entry after 1st year
Oral Health	✓	✓✓	✓			✓✓	
Paramedic	✓	✓	✓			✓✓	
Pharmacy	✓✓	✓✓	✓✓	✓✓		✓	
Physiotherapy	✓✓	✓✓	✓✓	✓✓		✓✓	PE
Podiatry	✓	✓	✓			✓✓	PE
Speech & Language Therapy		✓✓		✓		✓✓	English L3 or A Level

	Chemistry	Biology	Physics	Statistics	Calculus	*Table A Subjects	Other Subjects
--	-----------	---------	---------	------------	----------	-------------------	----------------

Law

Law (LLB)	Also need suitable subjects for another degree					✓✓	Drama
-----------	--	--	--	--	--	----	-------

Science

Anatomy & Structural Biology	✓✓	✓✓		✓✓		✓✓	PE
Anthropological Science	✓	✓		✓			
Biochemistry	✓✓	✓✓		✓✓			
Biological Science	✓✓	✓✓		✓✓			
Botany	✓	✓✓		✓✓			Geography
Chemistry	✓✓	✓	✓	✓✓	✓✓		
Clothing & Textile Sciences	✓	✓		✓	or✓	✓	
Computer Science			✓	✓	✓✓	✓	
Computer Graphics				✓✓	✓✓		Graphics, Art
Ecology		✓✓		✓✓		✓	Geography
Economics & Statistics		✓		✓✓	✓✓	✓	Economics
Energy Management	✓	✓	✓✓	✓	✓		Geography
Energy Studies			✓✓		✓✓	✓	
Environmental Science	✓	✓✓	✓	✓✓	or ✓✓	✓	Geography, Econ
Exercise & Sports Science	✓	✓	✓	✓		✓	PE
Food Safety	✓✓	✓✓	✓✓	✓	or✓		
Food Science	✓✓	✓✓	✓✓	✓	or✓		
Genetics	✓✓	✓✓		✓	or✓		
Geography	✓			✓✓		✓✓	Geography
Geology	✓	✓	✓	✓	✓	✓	Geography
Geophysics	✓		✓✓	✓	✓	✓	Geography
Human Nutrition	✓✓	✓✓		✓✓		✓✓	
Information Science			✓	✓	✓		Accounting
Land & Spatial Info Studies		✓	✓✓	✓✓	✓✓	✓	Geography
Logic & Computation				✓✓	✓✓	✓	
Marine Biology	✓✓	✓✓	✓	✓			
Mathematics				✓✓	✓✓	✓	
Medicinal Chemistry	✓✓	✓✓		✓			
Microbiology	✓✓	✓✓		✓		✓	
Neuroscience	✓✓	✓✓	✓	✓		✓	PE
Nutrition	✓✓	✓✓		✓✓		✓✓	
Pharmacology	✓✓	✓✓		✓		✓	
Physics			✓✓	✓	✓✓		
Physiology	✓✓	✓✓	✓	✓		✓	PE
Plant Biotechnology	✓✓	✓✓		✓			Geo, Language
Psychology		✓✓		✓✓		✓✓	
Statistics		✓		✓✓	✓✓		Economics
Surveying (Land)			✓	✓	✓✓	✓	Geography
Zoology	✓	✓✓		✓✓		✓✓	

Sport / Recreation / Phys Ed:

Exercise & Sports Science	✓	✓	✓	✓		✓	PE
Exercise Prescription & Mgmt	✓	✓✓	✓	✓		✓	PE
Sport Coaching		✓				✓	PE
Sport & Leisure / Recreation		✓		✓		✓	PE

Travel / Tourism / Hospitality:

Hospitality Management				✓		✓	Geography, Languages, Commerce subjects
Tourism				✓		✓	

Entry to Medicine

Places available to study Medicine in New Zealand are strictly limited. Interested students should consider whether they have the necessary attributes: enthusiasm for people and their well-being, a very strong academic background in at least three sciences (especially Chemistry) plus all round abilities and interests across a wide variety of subjects and activities. Excellent English and strong communication skills, empathy for others and the ability to build rapport are essential. Medical students also require enthusiasm for research and life-long learning, wide knowledge of their local community, New Zealand and global health issues, and a strong commitment to the study and practice of medicine.

Medical degrees are offered at the Universities of Auckland and Otago. **Direct entry from school to study Medicine is not possible in New Zealand - students must first complete a year of university study.** At both universities application for entry into the second year is highly competitive. It is NOT possible to transfer from the first year at one university to the second year at the other. The first year of Biomedical Science or Health Science at Auckland and the Health Sciences First Year programme at Otago can be credited to a wide-range of interesting and worthwhile Science and Health related degrees. The reality is that up to 90% of applicants for Medicine will need to consider these pathways after their first year. Students need a robust Plan B.

At the University of Auckland applicants must complete, in one year, the eight required first year papers in either the Bachelor of Health Sciences or the Bachelor of Science (Biomedical Science). There are four papers common to both courses. These are both limited entry courses requiring very high NCEA Level 3 Rank Scores or CIE UCAS points with, for Health Science, a Table A subject and a Table B subject.

Currently, at the University of Auckland, students are selected into the second year of Medicine on the basis of their grades achieved in the first year of university plus their UMAT (Undergraduate Medical and Health Sciences Admission Test) and a series of short interviews (MMI). The results of the MMI are combined with their grades from the four common courses and their UMAT score to derive a final ranking based on the weighting: GPA 60%, UMAT score 15% and interview 25%.

At the University of Otago students must successfully complete the seven compulsory papers in the Health Sciences First Year (HSFY). All students are required to sit an English diagnostic test and, if they fail, will be required to take an extra paper, English for University Purposes, in the second semester. The HSFY must be a student's first year of university study. University Entrance is the minimum entry requirement for admission to the HSFY, with preferential entry as described on the previous page. However, well prepared students will have much higher results in appropriate subjects including Chemistry.

University of Otago students are currently selected into the second year of Medicine on the basis of their mark average achieved in the HSFY plus their UMAT score. Students must achieve 70%, or better in all HSFY papers and sufficient UMAT score to be eligible to apply. The final ranking is based on the weighting: Academic grades 66%, UMAT score 34%. The HSFY is also the required first year pathway to degrees in Dentistry, Pharmacy, Physiotherapy and Medical Laboratory Science at Otago.

A small number of Australian universities accept school-leavers directly into their Medical degree programmes. Typically they consider very high marks, including for CIE at least three A Levels, for NCEA five approved subjects completed in a single year (Chemistry is essential, English highly recommended) plus a UMAT score and an interview or series of short interviews (MMI). Selection is highly competitive, e.g. Monash University have 4,000 applicants for 250 places.

The majority of Medical degree programmes in Australia are four year graduate-only MD programmes so require students to complete a suitable bachelor's degree before they can apply. Graduate applicants will need very high university grades including science subjects to at least stage-two, an interview or series of short interviews (MMI) and a GAMSAT score.

Useful Websites for Career Research:



MacleansCareers Facebook Page:

For all events, information, resources and career news.

<https://www.facebook.com/MacleansCareers>



Videos:

<http://www.justthejob.co.nz>



Macleans College: Links and information sheets about: Career Events, NZ Universities, NZ Polytechnics, Overseas Universities, Scholarships, CV Writing, Other websites.

<https://www.macleans.school.nz/guidance/careers/index.htm>



Careers New Zealand:

Learn about your options at school and beyond.

<http://www.careers.govt.nz/plan-your-career/im-at-school-and-need-ideas/>



Seek: Job search employment site. <http://www.seek.co.nz>



Options and information about work and study, all in one place.

<http://www.schoolconnect.co.nz/>



No Major Drama:

Complete a quiz, learn about Majors for Bachelor level degrees at New Zealand universities

<http://www.nomajordrama.co.nz/>

Recommended School Subjects:

Note: Required subjects are essential for a particular degree, they are needed to gain entry.

Recommended or preparation subjects are those that are useful but not required to gain entry.



<https://www.auckland.ac.nz/en/for/future-undergraduates/fu-study-options/fu-guide-to-choosing-secondary-school-subjects-1.html>



<https://www.victoria.ac.nz/study/course-planning/school-subjects>



http://www.canterbury.ac.nz/liaison/best_prep.shtml



Videos:

https://connectedstudios.org/life_videos

What can I do with my degree?

Skills gained, potential jobs, career options and graduate destinations for different majors.



<http://www.canterbury.ac.nz/careers/subjects/>



http://www.victoria.ac.nz/st_services/careers/resources/degree_options/index.aspx



<http://www.aut.ac.nz/being-a-student/employability/future-career-sheets>

Vocational Pathways:



Plan a course leading to careers in: Primary Industries, Service Industries, Creative Industries, Social & Community Services, Manufacturing & Technology or Construction & Infrastructure.

www.youthguarantee.net.nz/start-your-journey



Health Related Careers: Information and videos about careers in the health industry.

https://www.youtube.com/channel/UCoEvY_P4th5sLGUsW7N270g

Careers in Engineering, Technology & Science:



<https://www.engineeringnz.org/our-work/engineeringyourfuture/>

Subject Details

Subject Details are available for all Year 11, 12 and 13 subjects offered at Macleans College in 2018 on the school website. Carefully read them in conjunction with the Option Sheets issued to you.

Year 11, 12 & 13 Subject Details in the Senior Course Guide 2019.

<https://www.macleans.school.nz/student/academic-information/course-guides>

NCEA students usually select only NCEA subjects.

NCEA students who wish to study Chinese, Japanese or Accounting may be able to select one of these from the CIE pathway after discussion with the appropriate Deputy Principal Year Level Dean and Faculty Head or Head of Department.

CIE Students usually select only CIE subjects.

Year 11 CIE students will be able to select one (two with permission) NCEA subject(s), not offered in the CIE pathway. A mixed pathway is not usually recommended for Year 12 or 13 students unless it is ESOL, English or Mathematics but it may be possible, if appropriate, after discussion with the appropriate Deputy Principal Year Level Dean, to take one NCEA subject not offered in CIE.

Location of Faculty Heads

Faculty Heads / Heads of Department you may need to consult for course approval:

Learning Area	Faculty Head / HOD	Room	Location
Commerce	Mr M Caley	H2 (Faculty Head Office)	Hillary House
English	Mr R Irving	T6 (Faculty Head Office – T3)	Te Kanawa House
ESOL	Mrs T Mair	L4 (HOD Office)	Languages Block
Languages	Mr C Rodriguez	L2 (Faculty Head Office – L12)	Languages Block
Mathematics	Mr S Buckley	K2 (Faculty Head Office – K3)	Kupe House
Performing Arts – Dance/Drama	Dr J Luton	Drama Room (Faculty Office)	Auditorium
Performing Arts – Music	Mr S Miles	MU.11 (Faculty Head Office)	Music Suite
Physical Education & Health	Mr A Venter	(Faculty Head Office – G26)	Gymnasium
Sciences	Dr I Thomas	(Faculty Head Office)	Science Admin Block
Social Sciences	Mr N Hamilton	U10 (Faculty Head Office)	Upham House
Technology	Mr P Summerville	3.1 (Faculty Head Office)	Practical Block
Visual Arts	Mrs J Williams	A5 (Faculty Head Office)	Art Block
Extension Studies	Mrs J McDougall	U8	Upham House
Gateway / STAR / Trades Academy	Mrs K Bushé	Careers Department	SAS
Year 12 Dean	Mrs M Thompson	SMT, DP's Office	Top Office
Year 13 Dean	Mr A Mackenzie	SMT, DP's Office	Top Office
International Students Dean	Mr P Goodyer	SMT, DP's Office	Top Office

Subject Lists

Subject Details are available for all Year 11, 12 and 13 subjects offered at Macleans College in 2018 on the school website. Select **NCEA** or **CIE** then the blue **Faculty/Department** to find the subjects listed below.

Year 11, 12 & 13 Subject Details in the Senior Course Guide 2019.

<https://www.macleans.school.nz/student/academic-information/course-guides>

NCEA Subject Details 2018	NCEA (Cont)	CIE (Cont)
COMMERCE:	SOCIAL SCIENCES:	LANGUAGES:
Commerce (1)	Classical Studies (3)	Chinese (IG, AS, A)
Accounting (2)	Geography (1,2,3)	
Business Studies (2,3)	History (1,2,3)	Japanese (IG, AS)
Economics (2,3)	Social Studies (3)	Spanish (IG, AS, A)
*Financial Literacy (2,3)	*Travel & Tourism (2,3)	
ENGLISH:	TE REO MAORI:	
English (1, 2, 3)	Te Reo Maori (1,2, 3)	MATHEMATICS:
English for Literacy (1, 2)	TECHNOLOGY:	Mathematics (IG)
ESOL (1, 2)		Mathematics (IG + AS 18 month)
HOSPITALITY :	*Construction (1, 2)	Mathematics (AS 2 Year course)
*Hospitality (1)	Design & Visual Communication (1,2,3)	Mathematics (AS, A)
EARLY CHILDHOOD	Digital Technologies (1, 2, 3)	Mathematics (Uni Maths)
*Early Childhood Studies (2)	*Engineering (Mechanical) (1, 2)	Further Mathematics (A)
LANGUAGES:	Robotics & Product Design (1, 2, 3)	PERFORMING ARTS:
Chinese (3)	Textiles (1, 2, 3)	Music (IG, AS, A)
Spanish (1, 2, 3)		
MATHEMATICS:		
Mathematics (1)	VISUAL ARTS:	SCIENCES:
Mathematics (Continuing) (2)	Art (Design & Photography) (1)	Biology (IG, AS, A)
Mathematics (Calculus) (3)	Art (Visual) (1)	Chemistry (IG, AS, A)
Mathematics (General) (3)	Art (Design) (2, 3)	Physics (IG, AS, A)
Mathematics (Numeracy) (1)	Art (Painting) (2, 3)	Combined Science (IG)
Mathematics (Year 12 only) (2)	Art (Photography) (2, 3)	SOCIAL SCIENCES:
MEDIA STUDIES:		Classical Studies (AS)
Media Studies (1, 2, 3)	VOCATIONAL STUDIES:	Geography (IG, AS, A)
PERFORMING ARTS:	*Vocational Studies (2)	History (IG)
Dance (1, 2, 3)		History (American) (AS)
Drama (1, 2, 3)		History (Modern European) (AS)
	CIE Subject Details 2018	History (European Dictators) (A)
Music (1, 2, 3)	COMMERCE:	
PHYSICAL EDUCATION:	Accounting (IG, AS, A)	TECHNOLOGY:
Physical Education (1, 2, 3)	Business Studies (IG, AS, A)	Design Technology - Graphics (IG,AS,A)
*Sport Leadership (3)	Economics (IG, AS, A)	
SCIENCES:	COMPUTER SCIENCE:	VISUAL ARTS:
Science (1)	Computer Programming (IG, AS, A)	Art (Design) (AS, A)
Biology (2,3)	ENGLISH:	Art (Painting) (AS, A)
Chemistry (2,3)	English Literature (IG, AS, A)	Art (Photography) (AS, A in 2020)
Physics (2,3)	English Language (IG, AS, A)	

How to enter Year 11 Subjects online:

All Year 10 students will have subject selection talks in a core class during Week 6 or 7. You and your parents/caregivers will choose your 2019 subjects for Year 11 through the Kamar Parent Portal on the school website: <https://portal.macleans.school.nz/index.php>

- At the very top of the **Home** page go to **My Tools > Parent Portal**, enter your **username** (student ID number) and any of your passwords.
- **Login** then choose **Course Selection**. Follow the instructions to enter the subjects you wish to select.
- You must choose SIX subjects, ONE subject from EACH c.
- Remember to **SAVE** at the end.
- To be completed by Friday 14th September.

Some subject choices may depend on confirmation by Faculty Heads or SMT – please see the notes on pages 6 and 8 and read the subject details on the school website.

Before you make your choices please read the information and follow the instructions on the subject selection sheets, read the notes and restrictions on pages 6 and 8 and check the Subject Details on the school website; <https://www.macleans.school.nz/student/academic-information/course-guides>

Choose SIX subjects from the lists of subjects, ONE from EACH drop-down box. Some subjects are available in all six boxes, some in a few, some in only one, as shown in the table on *page 6*.

You must choose one English (Group A) course, one Mathematics (Group B) course, one Science (Group C) course and three other subjects (Group D (and C)).

You must choose at least four subjects from your main pathway but are encouraged to choose a subject from the other pathway if that subject is not offered in your main pathway and results in you studying a broad range of subjects. If you wish to pick two subjects from the other pathway you must see the Year 11 Dean.

NCEA students may pick one or two CIE subjects not offered in NCEA: IGCSE Chinese, Japanese or Accounting.

CIE students may pick one or two NCEA subjects not offered in CIE: NCEA Art (Visual), Art (Design & Photography), Construction, Dance, Drama, Engineering (Mechanical), Hospitality, Māori, Media Studies, Physical Education, Robotics & Product Design, Textiles.

CIE students may, where appropriate, choose NCEA English or ESOL or NCEA Mathematics but **not both**.

Subjects are listed by **Faculty**: NCEA subjects / CIE subjects / English, Maths & Science subjects.

NCEA students must choose:

One Group A subject: 11ENG NCEA Level 1 English OR

11ENL NCEA Level 1 English for Literacy

11ESL NCEA Level 1 ESOL

One Group B subject: 11MAT NCEA Level 1 Mathematics OR

11MNU NCEA Level 1 Mathematics Numeracy

One Group C subject: 11SCI NCEA Level 1 Science

Three other subjects from Group D, (no more than two IGCSE subjects)

CIE students must choose:

One Group A subject: 11ELC IGCSE English Literature OR

11ENC IGCSE English Language OR

11ENG NCEA Level 1 English

11ESL NCEA Level 1 ESOL

One Group B subject: 11MTC IGCSE Mathematics OR

12MTC AS Mathematics OR

12MAC AS Mathematics (1st year of 2 year course) OR

11MAC (2 year course) IG (for 6 months) + AS (for 18 months)

11MAT NCEA Level 1 Mathematics

11MNU NCEA Level 1 Mathematics Numeracy

One Group C subject: a Science subject 11BIC, 11CHC, 11PYC or 11CSC

Three other subjects from Group C and/or D, (no more than two NCEA subjects altogether)

Accelerated students: may include one AS subject plus five IGCSE subjects, the AS subject must be in column 1. If you choose more than one AS subject you can only select a total of 5 subjects, these must be in columns 1 to 5. More details in the supplementary booklet given to students in the extension classes.

How to enter Year 12 & 13 Subjects online:

All Year 11 and 12 students will have subject selection talks during Week 8. You and your parents/caregivers will choose your 2019 subjects for Year 12 and 13 through the Kamar Parent Portal on the school website: <https://portal.macleans.school.nz/index.php>

- At the very top of the Home page go to **My Tools > Parent Portal**, enter your **username** (student ID number) and any of your passwords.
- **Login** then choose **Course Selection**. Follow the instructions to enter the subjects you wish to select.
- You must choose FIVE subjects, EACH subject from a DIFFERENT column.
- Remember to **SAVE** at the end.
- To be completed by Friday 28th September.

Some subject choices may depend on confirmation by Faculty Heads or SMT – please see the notes on the next pages and on the option sheets and read the subject details on the school website.

Before you make your choices please read the information and follow the instructions on the subject selection sheets, read the notes and restrictions on pages 6 and 8 and check the Subject Details on the school website; www.macleans.school.nz on the Home Page > Student Life > Academic Information > Course Guides.

Choose FIVE subjects from the lists of subjects, EACH from a DIFFERENT column. Some subjects are available in all five boxes, some in a few, some in only one, as shown on the option sheets.

For Year 12 you must include an English course as one of your options.

There are no compulsory subjects in Year 13.

NCEA students may be able to pick a CIE subject not offered in NCEA.

CIE students may be able to pick one NCEA subject not offered in CIE. Where appropriate, this may be English, ESOL or Mathematics.

To choose a mixed pathway students must seek permission from Mrs Thompson for Year 12 or Mr Mackenzie for Year 13. International students should see Mr Goodyer.

Subjects are listed by Faculty: NCEA subjects / CIE subjects / English, Maths & Science subjects.

Year 12 NCEA students must choose:

Step 1: 12ENG NCEA Level 2 English *or*
 12ENL NCEA Level 2 English for Literacy *or*
 12ESL NCEA Level 2 ESOL

Step 2: Four other subjects.

(NCEA students will also have core Physical Education and study classes in Year 12.)

Year 13 NCEA students must choose:

Step 1: Five option subjects, one subject from each column.

Year 12 CIE students must choose:

Step 1: 12ELC AS English Literature *or*
 12ENC AS English Language *or*
 12ENG NCEA Level 2 English *or*
 12ESL NCEA Level 2 ESOL

Step 2: Three other subjects.

(Students who wish to choose English plus 4 subjects must see Mrs Thompson for permission.)

Step 3: 12PED Year 12 Physical Education (Core)

Year 13 CIE students must choose:

Step 1: Four option subjects, one subject from each of four of the five columns.

Leave one column blank, you will have study in the spare line.

Students who wish to choose five subjects must see Mr Mackenzie for permission.

All students:

Please enter your subjects online in the Kamar parent portal before Friday 28th September.