

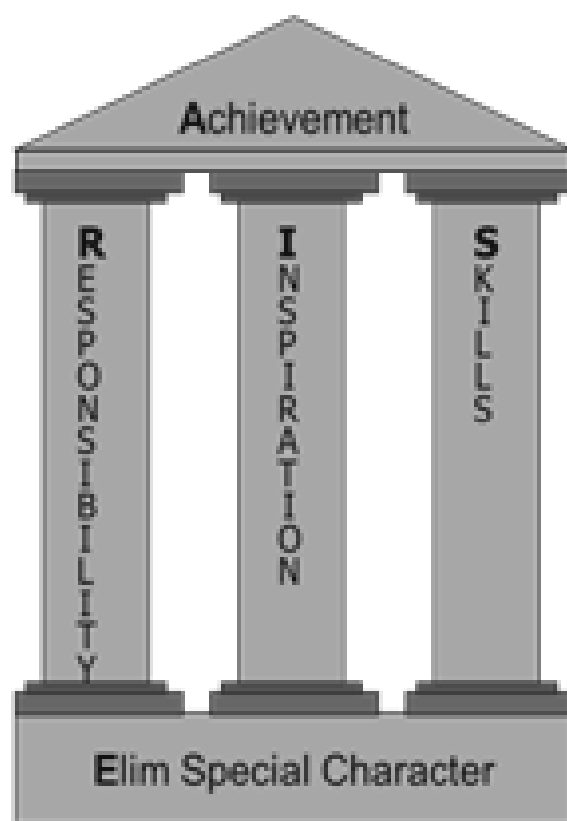
Senior Student Subject Handbook 2020



ARISE to a future and a hope

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Introduction

Read this introductory section carefully before you make any subject choices on your option sheet. There is important information relating to each course and the prerequisites you need to consider. The Careers Advisor can provide you and your parents/caregivers with advice and information on possible career paths. The Assistant Principal of Secondary will approve your courses.

NCEA

NCEA (National Certificate of Education Achievement) is the national qualification for senior secondary school students in New Zealand. Individual subjects are divided into standards, some of which are assessed internally and some externally (maximum 3) through NZQA national examinations. Each standard clearly identifies what a student must do in order to achieve that standard and generates credits that contribute to a certificate at Level 1, 2 or 3 on the New Zealand Qualifications Framework. At each level students are able to achieve their qualifications with Merit or Excellence endorsements. For a certificate to be endorsed with Merit or Excellence, 50 credits at Merit or Excellence are required at that level or higher. A subject may also be endorsed with Merit or Excellence if 14 or more credits are gained at Merit or Excellence. At least three credits must be from externally assessed standards and three credits from internally assessed standards in that course.

Level 1

All students are required to take five subjects including English, mathematics and science. Students need to achieve 80 credits to gain an NCEA Level 1. Of these 80 credits, 10 credits must meet the literacy requirements and 10 credits must meet the numeracy requirements.

Level 2

Students study five subjects including English and Mathematics.

Subject choice should be based on the previous study in Level 1, interests, strengths and future direction. Please pay close attention to the prerequisites for chosen subjects.

To complete NCEA Level 2, students need 80 credits of which 60 need to be at Level 2 or above. The other 20 can be from any level, including Level 1.

Level 3

Students study five subjects at Level 3.

They should be choosing their subjects for Level 3 based on their previous study in Level 2, interests, strengths and future direction.

To complete NCEA Level 3, students need 80 credits of which 60 need to be at Level 3 or above. The other 20 credits need to be from Level 2 or above.

Multi Levelling

Level 1, 2 and 3 NCEA should be viewed as a “menu” of programmes available to all students regardless of their age or year group.

It may be possible for students to enrol in programmes based on prior knowledge. For example, particularly able Year 10 students could attempt some Level 1 subjects. In the same way Year 13 students, may wish to enrol for some Level 1 or 2 courses out of interest or to “catch up”.

Scholarship

Students who have achieved a significant number of excellence results in any Level 2 subject should consider entering scholarship in that subject. Scholarship is a monetary award to recognise top students. It will not attract credits nor contribute towards a qualification but the fact that a student has gained a scholarship will appear on the Record of Achievement.

University entrance from NCEA Level 3

University entrance standard

Achievement of NCEA Level 3

14 credits in each of three subjects from the list of approved subjects

UE numeracy- 10 credits at Level 1 or above, from specified achievement standards (available through a range of subjects)

UE literacy – 10 credits (5 reading and 5 writing) at Level 2 or above, from specified achievement standards (available through a range of subjects)

List of approved subjects for university entrance

Accounting	Economics	Painting (Practical Art)
Agriculture and Horticulture	Education for Sustainability	Photography (Practical Art)
Biology	English	Physical Education
Business Studies	French	Physics
Calculus	Geography	Printmaking (Practical Art)
Chemistry	German	Processing Technologies
Chinese	Health Education	Religious Studies
Classical Studies	History	Samoan
Construction and Mechanical Technologies	History of Art	Science
Cook Islands Maori	Home Economics	Sculpture (Practical Art)
Dance	Indonesian	Social Studies
Design (Practical Art)	Japanese	Spanish
Design and Visual Communication	Korean	Statistics
Digital Technologies	Latin	Technology
Drama	Mathematics	Te Reo Rangatira or Te Reo Maori
Earth and Space Science	Media Studies	
	Music Studies	

Entrance to the University of Auckland

To be admitted to the University, school leavers must have a university entrance qualification and be selected into a programme. You must also meet the admission requirements and be selected into your programme of study.

You will be allocated a rank score based on your best 80 credits at Level 3 or higher over a maximum of five approved subjects, weighted by the level of achievement attained in each set of credits.

If you achieve fewer than 80 credits, the rank score will be based on those credits you have gained at Level 3 over a maximum of five approved subjects and weighted by the level of achievement.

- The rank score will be calculated by awarding the following points for up to 24 credits in each approved subject taken at Level 3. The maximum rank score is 320.

Excellence 4 points

Merit 3 points

Achieved 2 points

- Credits obtained in any required subjects do not have to be among the best 80 credits used for ranking purposes.

- NCEA Level 3 credits achieved in previous years may be counted towards the 80 best credits used for ranking purposes.
- Level 3 subject requirements for a specific programme may be met in Year 12.

Academic English Language Requirement (AELR)

To meet the AELR via an entry qualification, you must achieve the following:

You must have gained the University Entrance Literacy Standard and a minimum of 17 credits in English at Level 2 and/or 3.

If you do not meet the Requirement through your entrance qualification as outlined above, but otherwise qualify for admission, you can satisfy the AELR during your first year of study by passing an academic English language course as part of your General Education programme, or as otherwise specified by your Faculty.

Example of how a rank score for NCEA Level 3 is calculated

Subject	Standard type	Results	Calculate	Rank Score
English	Achievement & Unit	6 Excellence 6 Merit 16* Achieved	6 x 4 points 6 x 3 points 12* x 2 points	66
History	Achievement	8 Excellence 10 Achieved	8 x 4 points 10 x 2 points	52
Physics	Achievement	24 Merit	24 x 3 points	72
Calculus	Achievement	4 Excellence 3 Merit 8** Achieved	4 x 4 points 3 x 3 points	25
Statistics	Achievement	7 Merit 10** Achieved	7 x 3 points	21
Economics	Achievement	6*** Achieved	Not counted***	Nil
Rank score				236
* Maximum 24 credits per subject. Any points above this limit are excluded. ** Not included as only best 80 credits used in calculation of rank score. *** only five subjects are included in the calculation.				

Guaranteed admission - if you meet the University Entrance Standard, the rank score and the other requirements for your programme or programmes you will be offered a place.

NCEA Level 3 subjects

Table A	Table B
Classical Studies English Geography History History of Art Te Reo Maori OR Te Reo Rangatira	Accounting Biology Calculus Chemistry Economics Mathematics (cannot be used in combination with Calculus and/or Statistics) Physics Statistics Digital Technology (from 2018)

Undergraduate programme admission requirements for school leavers who have achieved University Entrance

This table indicates the rank score, subject/credit requirements and other requirements that will guarantee admission to a programme.

Programme	Rank score, subject and credit requirements
Bachelor of Architectural Studies (BAS)	230 A minimum of 16 credits in one subject from Table A and a minimum of 16 credits in one subject from Table B Subject to the qualitative evaluation of a portfolio of creative work and written statement.
Bachelor of Arts (BA) ¹	150
Bachelor of Commerce (BCom) ²	180 A minimum of 16 credits in each of three subjects from Table A and/or Table B.
Bachelor of Dance Studies (BDanceSt)	150 Subject to the qualitative evaluation of a CV, written statement and an audition/interview.
Bachelor of Education (Teaching) (BE(Tchg)) ³	150 Subject to a satisfactory interview, police check, and referees' reports.
Bachelor of Engineering (Honours) (BE(Hons)) ^{4,5}	260 With 17 external Level 3 credits in Calculus and 16 external Level 3 credits in Physics
Bachelor of Fine Arts (BFA)	150 Subject to the qualitative evaluation of a portfolio of 12 colour reproductions and written statement.
Bachelor of Health Sciences (BHSc)	250 With a minimum of 18 credits in one subject from Table A and a minimum of 18 credits in one subject from Table B.
Bachelor of Human Services (BHumServ) ³	150 Subject to a satisfactory interview, police check, and referees' reports.
Bachelor of Laws (LLB (Part I))	Students must be offered a place in another bachelor's degree. Entry will be based on the guaranteed scores for the other bachelor's degree.
Bachelor of Music (BMus) - Classical Performance, Jazz Performance or Popular Music majors - Composition and Musicology majors	150 Subject to the qualitative evaluation of a statement of musical background, referees' report and: Classical Performance – an audition ⁶ and musical qualification certificates Jazz Performance and Popular Music – an audition ⁶ Composition major – a portfolio of 2-3 composition works and musical qualification certificates Musicology – musical qualification certificates
Bachelor of Nursing (BNurs)	230 With a minimum of 18 credits in one subject from Table A and a minimum of 18 credits from one of Biology, Chemistry, Physics.
Bachelor of Physical Education (BPE) ³	150 Subject to a satisfactory interview, police check, and referees' reports.

Programme		Rank score, subject and credit requirements
Bachelor of Property (BProp) ²		180 With a minimum of 16 credits in each of three subjects from Table A and/or Table B.
Bachelor of Science (BSc) ⁷	Biomedical Science	280
	Food Science and Nutrition	200
	Sport and Exercise Science	200
	All other majors/specialisations	165
Bachelor of Social Work (BSW) ³		150 Subject to a satisfactory interview, police check, and referees' reports.
Bachelor of Urban Planning (Honours) (BUrbPlan(Hons))		230 Subject to the qualitative evaluation of a written statement.

For additional information see The University of Auckland Undergraduate Admission Requirements.

Conjoint programmes

Applicants must achieve the greater of the two rank scores for their selected programmes and must meet the entry requirements for both programmes.

Not all degree programmes have conjoint options.

Programme	Rank score, subject and credit requirements
Bachelor of Arts conjoints	210
Bachelor of Commerce conjoints	210 With a minimum of 16 credits in each of three subjects from Table A and/or Table B
Bachelor of Engineering (Honours) Conjoints ⁴	275 With 17 external Level 3 credits in Calculus and 16 external Level 3 credits in Physics.
Bachelor of Fine Arts conjoints	210 Subject to the qualitative evaluation of a portfolio of 12 colour reproductions and written statement.
Bachelor of Health Sciences conjoints	250 With a minimum of 18 credits in one subject from Table A and minimum 18 credits in one subject from Table B
Bachelor of Laws (Part I) conjoints	Satisfy the conjoint score for the other degree.
Bachelor of Music conjoints	Satisfy the conjoint score for the other degree. Subject to the qualitative evaluation of a statement of musical background, referees' report and: Classical Performance – an audition ⁶ and musical qualification certificates Jazz Performance and Popular Music – an audition ⁶ Composition major – a portfolio of 2-3 composition works and musical qualification certificates Musicology – musical qualification certificates
Bachelor of Nursing conjoints	230 With a minimum of 18 credits in one subject from Table A and minimum 18 credits from one of Biology, Chemistry, Physics.
Bachelor of Property conjoints	210 With a minimum of 16 credits in each of three subjects from Table A and/or Table B
Bachelor of Science conjoints	210

Applicants for the Bachelor of Medicine and Bachelor of Surgery (MBChB) must first complete Year 1 of either the BHSc or the BSc in Biomedical Science, or have completed another degree approved by the Faculty of Medical and Health Sciences.

Applicants for the Bachelor of Pharmacy (BPharm) must first complete an appropriate first year programme including the prescribed BPharm Part I courses (or equivalent) or have completed another degree approved by the Faculty of Medical and Health Sciences.

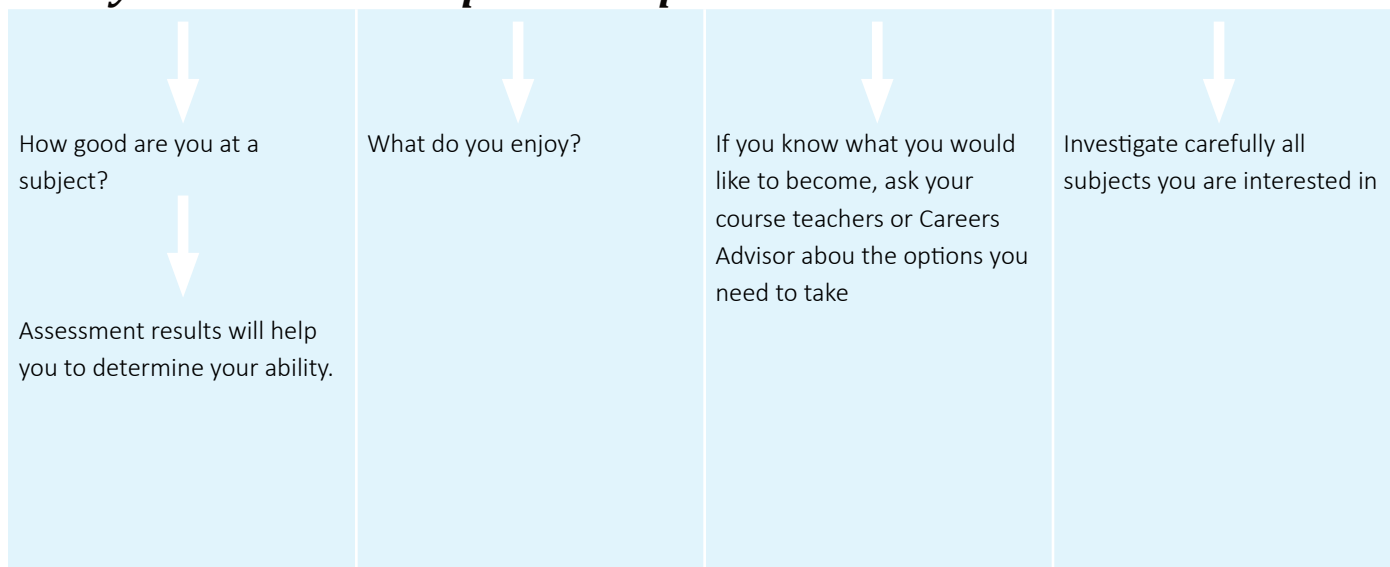
Applicants for the Bachelor of Optometry (BOptom) must first complete the set courses from the common year of the BSc in Biomedical Science (or equivalent) or have completed another degree approved by the Faculty of Medical and Health Sciences.

1. Maori applicants and applicants from Equity target groups (including Pacific applicants, those from refugee backgrounds, low socio-economic backgrounds and applicants with declared disabilities) applying based on NCEA who achieve the University Entrance (UE) Standard and a rank score of 120-149 will be admitted to the Bachelor of Arts (BA) through the Targeted Admission Scheme. Other applicants with UE and rank scores from 130-149 will be considered for conditional admission to the BA. Equity applicants with rank scores of 119 or less and all other applicants with rank scores of 129 or below will be referred to an appropriate foundation programme.
2. For more information on the Targeted Admission Scheme for Business School programmes see www.business.auckland.ac.nz/tas
3. Māori and Pacific school leaver applicants who achieve the UE Standard and meet other requirements will be admitted to the programmes in the Faculty of Education through the Targeted Admission Scheme.
4. For CIE students, AS Mathematics and Physics may be accepted based on level of grade achieved. For IB students, SL Mathematics and Physics may be accepted based on level of grade achieved.
5. The Faculty of Engineering will give consideration to students who missed out on admission to BE(Hons) who are able to demonstrate sufficient ability in engineering-related and approved study, in the Bachelor of Science(BSc) programme for admission in Semester 2. Please see <http://www.engineering.auckland.ac.nz/behons-alt-pathway> for more information.
6. An audition can include evaluations of one or more recorded and/or live performance elements.
7. Maori and Pacific students with an NCEA rank score greater than or equal to 140 and a minimum of 14 credits in at least two subjects from Table A or B will be admitted to the BSc with the exception of majors in Biomedical Science, Food Science and Nutrition or Sport and Exercise Science. Students with disabilities with an NCEA rank score greater than or equal to 140 will be ranked on the basis of GPE. Maori and Pacific students with an NCEA rank score less than 140 will be conditionally admitted to the BSc dependant on successful completion of the Certificate in Academic Preparation (passing all courses).

International applicants should also refer to the relevant pages of the [International students](#) website for information relating specifically to international applicants.

Choosing your options

Ability + Interest + Occupation = Option Choice



1. Talk to your current teachers and Careers Advisor. They can give you a good idea of whether you should carry on in a subject or not and where it might lead you.
2. Parents or guardians are required to sign student's option selection sheet to show that they approve.
3. Subjects will be offered depending on the number of applicants and availability of staff and facilities.
4. We will endeavour to meet all subject requests with timetabled classes, but it may be necessary for some students to study a subject by correspondence.
5. Courses may be tailor-made to ensure student's best interests.
6. In consultation with the class teacher students may elect to be entered for fewer internal/ or external achievement standards in order to ensure success.

Commerce

ACCOUNTING

NCEA LEVEL 1

Course outline:

Accounting enables the students to understand, process and communicate financial information for individual clubs and a variety of business entities. Whether you are preparing a household budget or running a large corporation, you are working with accounting concepts and information. The NCEA Level 1 course is an introductory course. It covers accounting systems, records and decision making for clubs and small businesses. This course is a foundation for further study at higher levels in school.

Internal achievement standards

Number	Title	Credits
AS 90977	Process financial transactions for a small entity	5
AS 90979	Prepare financial information for a community organisation's annual general meeting	4

External achievement standards

Number	Title	Credits
AS 90976	Demonstrate understanding of accounting concepts for small entities	3
AS 90978	Prepare financial statements for sole proprietors	5
AS 90980	Interpret accounting information for sole proprietors	4

Entry requirements: None

Course costs: Workbooks

Laptop capable of running MS Office is recommended.

ACCOUNTING

NCEA LEVEL 2

Course outline:

This course takes students through the accounting process from the point of purchase or sale to the presentation and interpretation of financial statements for the business owner or lender. It includes a study of the inputs, processes, reports and management control procedures of the various accounting sub-systems in larger businesses. The course builds on the Level 1 course by going into more depth in many areas. It includes a significant computer accounting component.

Internal achievement standards

Number	Title	Credits
AS 91175	Demonstrate understanding of accounting processing using accounting software	4
AS 91179	Demonstrate understanding of an accounts receivable subsystem for an entity	3
AS 91409	Demonstrate understanding of a job cost system for an entity (Level 3)	4

External achievement standards

Number	Title	Credits
AS 91174	Demonstrate understanding of accounting concepts for an entity that operates accounting subsystems	4
AS 91176	Prepare financial information for an entity that operates accounting subsystems	5
AS 91177	Interpret accounting information for entities that operate accounting subsystems	4

Entry requirements: Studies subject at previous level and approval by HOD.

Course costs: Workbooks.
Laptops

ACCOUNTING

NCEA LEVEL 3

Course outline:

This course assumes that students will have studied accounting at Level 1 and Level 2. The course looks at adapting the basic accounting systems to partnerships and companies. It also introduces students to the various aspects of management accounting like cash budgeting and costing. One of the internally assessed achievement standards involves the study of a company's annual report.

Very able students will also have the opportunity to enter scholarship in accounting. As the scholarship examination is based on the Level 3 achievement standards content, students must complete the full course at Level 3 to be fully prepared.

Internal achievement standards

Number	Title	Credits
AS 91405	Demonstrate understanding of accounting for partnerships	4
AS 91407	Prepare a report for an external user that interprets the annual report of a New Zealand reporting entity	5

External achievement standards

Number	Title	Credits
AS 91406	Demonstrate understanding of company financial statement preparation	5
AS 91408	Demonstrate understanding of management accounting to inform decision-making	4

Entry requirements: Studied subject at previous level and approval by HOD.

Course costs: Workbooks
Laptop strongly recommended

Scholarship

Scholarship is designed to extend very high achieving Level 3 students.

Course outline:

The course focuses on how two sectors of the economy (households and firms) interact through the market. These days we hear a lot about the market – also referred to as ‘market forces’ and ‘demand and supply’ – and it’s very useful to have an understanding about how it works. The market influences how resources will be used and determines prices. This course will help students in their own economic participation.

Internal achievement standards

Number	Title	Credits
AS 90984	Demonstrate understanding of decisions a producer makes about production	5
AS 90987	Demonstrate understanding of a government choice where affected groups have different viewpoints	4
AS 90988	Demonstrate understanding of the interdependence of sectors of the New Zealand economy	3

External achievement standards

Number	Title	Credits
AS 90983	Demonstrate understanding of consumer choices, using scarcity and/or demand	4
AS 90985	Demonstrate understanding of producer choices, using supply	3
AS 90986	Demonstrate understanding of how consumer, producer and/or government choices affect society, using market equilibrium	5

Entry requirements: Students should have achieved a minimum pass in Year 10 mathematics and Year 10 business studies.

Course costs: Understanding Economics NCEA L1 (New Edition) by Dan Rennie, which will be available from OfficeMax.
Laptop required, capable of running MS Office (MS Office supplied by school).

Course outline:

This course begins with an introduction to the basic concepts and then goes on to discuss major economic issues (themes) in the New Zealand and world economies. It aims to give you a useful insight into the issues that affect all of us here in New Zealand. These issues result from the interaction of market forces in various market situations.

Following an introduction to economics the issues that we will study are employment, inequality, inflation, growth and trade.

Internal achievement standards

Number	Title	Credits
AS 91225	Analyse unemployment using economic concepts and models	4
AS 91226	Analyse statistical data relating to contemporary economic issues	4
AS 91227	Analyse how government policies and contemporary economic issues interact	6

External achievement standards

Number	Title	Credits
AS 91222	Analyse inflation using economic concepts and models	4
AS 91223	Analyse international trade using economic concepts and models	4
AS 91224	Analyse economic growth using economic concepts and models	4

Entry requirements: Students who wish to be admitted to this course should have successfully completed, or partly completed, economics Level 1. Students who have not done any economics will NOT be admitted to this course.

Course costs: Understanding Economic Issues NCEA L2 by Dan Rennie which will be available from OfficeMax. Laptop required, capable of running MS Office (MS Office supplied by school).

ECONOMICS

NCEA LEVEL 3

Course outline:

This course aims at achieving an understanding of

- Resource allocation via the market system
- Allocation via the public sector
- A macro-economic approach to the economy, and the impact of Government actions

Internal achievement standards

Number	Title	Credits
AS 91401	Demonstrate understanding of micro-economic concepts	5
AS 91402	Demonstrate understanding of government interventions to correct market failures	5

External achievement standards

Number	Title	Credits
AS 91399	Demonstrate understanding of the efficiency of market equilibrium	4
AS 91400	Demonstrate understanding of the efficiency of different market structures using marginal analysis	4
AS 91403	Demonstrate understanding of macro-economic influences on the New Zealand economy	6

Entry requirements: Students who wish to be admitted to this course should have successfully completed some, or the entire, Level 2 course.

Course costs: Understanding Economics NCEA L3, by Dan Rennie, which will be available from OfficeMax.
Laptop required, capable of running MS Office (MS Office supplied by school).

Scholarship

Scholarship is designed to extend very high achieving Level 3 students.

Course outline:

This course covers relevant and practical life skills relating to personal finance, money management and financial goal setting. All credits are unit standards based and no prerequisite for this course is required.

Internal achievement standards

Number	Title	Credits
US 28092	Analyse the effect of significant life events at different life stages on personal financial income	3
US 28093	Describe the financial responsibilities and consequences of tertiary study funding options	3
US 28094	Produce a balanced household budget and adjust the budget to reflect changing financial circumstances	3
US 28095	Analyse personal financial investment options	3
US 28096	Demonstrate understanding of insurance products for personal financial capability	3
US 28097	Analyse and select banking products and services in relation to personal finances	3

Course outline:

This course covers relevant and practical life skills relating to personal finance, money management and financial goal setting. All credits are unit standards based and no prerequisite for this course is required.

Internal achievement standards

Number	Title	Credits
US 28098	Evaluate options to increase personal income	3
US 28099	Analyse credit options and select strategies to manage personal finances	3
US 28100	Develop a plan to achieve a long-term personal financial goal(s)	4
US 28101	Create a long-term personal financial investment portfolio	4
US 28102	Demonstrate understanding of risk and return on investment for a personal financial investment portfolio	4

Course outline:

The study of English is essential for understanding and communication in all subjects. This course builds on the foundation of Year 10 English and equips students for NCEA Level 2. NCEA Level 1 English aims to develop students' skills in spoken and written academic structures and content. The course covers a range of written and visual texts that students are expected to read, study and analyse to show personal understanding. Each student is also expected to speak in a formal situation to communicate ideas. Credits gained contribute to the compulsory ten literacy credits required for NCEA Level 1 Certificate.

Internal achievement standards

Number	Title	Credits
AS 90052	Produce creative writing	3
AS 90053	Produce formal writing	3
AS 90857	Construct and deliver an oral text	3
AS 90854	Form personal response to independently read texts, supported by evidence	4
AS 90856	Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence	3

External achievement standards

Number	Title	Credits
AS 90849	Show understanding of specified aspect(s) of studied written text(s), using supporting evidence	4
AS 90850	Show understanding of specified aspect(s) of studied visual or oral text(s), using supporting evidence	4
AS 90851	Show understanding of significant aspects of unfamiliar written text(s) through close reading, using supporting evidence	4

Entry requirements: Year 10 English.

Course costs: Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

Course outline:

Level 2 is a challenging but fulfilling course of study that covers a range of skills. Students will be required to respond to visual and written texts in a mature and developed manner. Most importantly this course meets the literacy requirements for entry to tertiary institutions. Teachers work with students to select standards suited to their interests and academic needs beyond Year 12.

Standards offered include a selection from the following:

Internal achievement standards

Number	Title	Credits
AS 91101	Produce a selection of crafted and controlled writing	6
AS 91102	Construct and deliver a crafted and controlled oral text	3
AS 91106	Form developed personal response to independently read texts, supported by evidence	4
AS 91104	Analyse significant connections across texts, supported by evidence	4
AS 91105	Use information literacy skills to form developed conclusions(s)	4

External achievement standards

Number	Title	Credits
AS 91098	Analyse specified aspect(s) of studied written text(s), supported by evidence	4
AS 91099	Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence	4
AS 91100	Analyse significant aspects of unfamiliar written text(s) through close reading, supported by evidence	4

Entry requirements: Successful completion of Level 1 English.

Course costs: Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

Course outline:

The integrated Level 3 course is designed to stimulate and develop critical thinking. Throughout the year students will be required to read, study and respond to a variety of texts and then present their findings in both written and oral form. This course of study will prepare students for the demands of academic writing at a tertiary level. Teachers work with students to select standards suited to their interests and academic needs beyond Year 13.

Standards offered include a selection from the following:

Internal achievement standards

Number	Title	Credits
AS 91475	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	6
AS 91476	Create and deliver a fluent and coherent oral text which develops, sustains and structures ideas	3
AS 91478	Respond critically to significant connections across texts, supported by evidence	4
AS 91480	Respond critically to significant aspects of visual and/or oral text(s) through close reading, supported by evidence	3

External achievement standards

Number	Title	Credits
AS 91472	Respond critically to specified aspects of studied written text(s), supported by evidence	4
AS 91473	Respond critically to specified aspects of studied visual or oral text(s), supported by evidence	4
AS 91474	Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence	4

Entry requirements: A minimum of 14 credits at Level 2 English or subject to the approval by HOD.

Course costs: Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

Scholarship

At this level students are expected to demonstrate high level critical thinking about language and literature. This course is suitable for students who excel in this subject.

ALTERNATIVE ENGLISH

Course outline:

- This course is designed to:
- give students the learning opportunities to obtain necessary tertiary qualifications.
- improve students' command of English by equipping them with the four essential skills of reading, writing, listening and speaking.
- build student confidence by providing a supportive learning environment where all can achieve success.
- develop understanding of vocabulary and grammar.

COURSE COSTS: Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

ALTERNATIVE ENGLISH

NCEA LEVEL 1

Internal achievement standards

Number	Title	Credits
AS 90053	Produce formal writing	3
AS 90857	Construct and deliver an oral text	3
AS 90854	Form personal response to independently read texts, supported by evidence	4
AS 90856	Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence	3

External achievement standards

Number	Title	Credits
AS 90849	Show understanding of specified aspect(s) of studied written text(s), using supporting evidence	4
AS 90851	Show understanding of significant aspects of unfamiliar written text(s) through close reading, using supporting evidence	4

ALTERNATIVE ENGLISH

NCEA LEVEL 2

Internal achievement standards

Number	Title	Credits
AS 91101	Produce a selection of crafted and controlled writing	6
AS 91102	Construct and deliver a crafted and controlled oral text	3
AS 91106	Form developed personal responses to independently read texts, supported by evidence	4

External achievement standards

Number	Title	Credits
AS 91098	Analyse specified aspect(s) of studied written text(s), supported by evidence	4
AS 91099	Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence	4

PLEASE NOTE: A period of two years' study may be required for the Level 2 Alternative English course. Success is dependent upon the student's ability and progress.

Additional possible internal standards (not towards achieving UE Literacy)

Number	Title	Credits
US 3492	Write a short report	3
US 3488	Write business correspondence for a workplace	3

Course outline:

This course is designed to help students improve their English reading and writing skills, develop their English listening and speaking skills, and gain English Language (EL) credits for NCEA.

Students will be offered the English Language Unit Standards at Level 1 or Level 2 depending on their ability.

Course outline:

This course provides students with the opportunity to develop academic reading and writing skills and to improve their command of English. It is designed to be a two-year course which will give students the opportunity to work towards NZQA literacy requirements for NCEA Level 1 and/or New Zealand University Entrance.

Students will be offered the English Language Unit Standards at NCEA Level 2 or Literacy Unit Standards depending on their ability.

Course outline:

This course provides students with the opportunity to continue developing their command of English. Skills developed in this course include academic reading, research and formal essay writing. It is designed to give students the opportunity to work towards NZQA literacy requirements for NCEA Level 1 or New Zealand University Entrance.

Students will be offered the following Literacy Unit Standards or English for Academic Purposes (EAP) Standards depending on their ability.

English Language Unit Standards NCEA Level 1

Number	Title	Credits
US 27996	Write basic texts on very familiar topics	5
US 30994	Read simple texts in everyday contexts	5
US 31013	Participate in simple everyday spoken interactions	10

English Language Unit Standards NCEA Level 2

Number	Title	Credits
US 31026	Present information on a familiar topic	5
US 27999	Write simple texts on a familiar topic	5
US 30980	Demonstrate understanding of a straightforward spoken text on a familiar topic (EL)	5
US 30995	Read and understand a straightforward text on a familiar topic (EL)	5

Literacy Unit Standards NCEA Level 1

Number	Title	Credits
US 26624	Read texts with understanding	3
US 26625	Actively participate in spoken interactions	3
US 26622	Write to communicate ideas	4

English for Academic Purposes NCEA Level 4

Number	Title	Credits
US 22750	Write a crafted text for a specified audience using researched material in English for an academic purpose	6 UE W
US 22751	Read and process information in English for academic purposes	6 UE R

Entry requirements: English is not the student's first language; HOD approval

Course cost: Laptop or hybrid type device (tablet and keyboard, Surface Pro) capable of running MS Office (MS Office supplied by school)

Please note: Modification to the course may be made at the discretion of the HOD to meet student needs.

Course outline:

Chinese is one of the most widely-spoken languages in the world. The Chinese course is designed to provide in-depth understanding of the language and Chinese culture.

Students will be introduced to thinking about, questioning and interpreting the world from a culturally different point of view. Being an interactive course, students will acquire knowledge, skills and attitudes that will help to equip them for living in a world of diverse peoples, languages and cultures. Students will be challenged to consider their own identities and assumptions accordingly.

Internal achievement standards

Number	Title	Credits
AS 90869	Give a spoken presentation in Chinese that communicates a personal response	4
AS 90870	Interact using spoken Chinese to communicate personal information, ideas and opinions in different situations	5
AS 90872	Write a variety of text types in Chinese on areas of most immediate relevance	5

External achievement standards

Number	Title	Credits
AS 90868	Demonstrate understanding of a variety of spoken Chinese texts on areas of most immediate relevance	5
AS 90871	Demonstrate understanding of a variety of Chinese texts on areas of most immediate relevance	5

Entry requirements: Year 10 Chinese or approval by HOD Chinese.

Course costs: Education Perfect online license fee (whole year).
Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).
Headphones with mic.

Internal achievement standards

Number	Title	Credits
AS 91109	Interact using spoken Chinese to share information and justify ideas and opinions in different situations	5
AS 91110	Give a spoken presentation in Chinese that communicates information, ideas and opinions	4
AS 91112	Write a variety of text types in Chinese to convey information, ideas, and opinions in genuine contexts	5

External achievement standards

Number	Title	Credits
AS 91108	Demonstrate understanding of a variety of spoken Chinese texts on familiar matters	5
AS 91111	Demonstrate understanding of a variety of written and/or visual Chinese text(s) on familiar matters	5

Entry requirements: Successful completion of Level 1 Chinese.

Internal achievement standards

Number	Title	Credits
AS 91534	Give a clear spoken presentation in Chinese that communicates a critical response to stimulus material	3
AS 91535	Interact clearly using spoken Chinese to explore and justify varied ideas and perspectives in different situations	6
AS 91537	Write a variety of text types in clear Chinese to explore and justify varied ideas and perspectives	5

External achievement standards

Number	Title	Credits
AS 91533	Demonstrate understanding of a variety of extended spoken Chinese texts	5
AS 91536	Demonstrate understanding of a variety of extended written and/or visual Chinese texts	5

Entry requirements: Successful completion of Level 2 Chinese.

Mathematics

MATHEMATICS

NCEA LEVEL 1

Course outline:

This is an academic course that develops the skills of mathematics that are required to enable a student to succeed in the NCEA Level 2 mathematics course. It is a continuation of topics covered in Year 9 and Year 10. Credits gained contribute to the compulsory 10 numeracy credits required for the NCEA Level 1 Certificate and for the numeracy requirement for university entrance.

Internal achievement standards

Number	Title	Credits
AS 91026	Apply numeric reasoning in solving problems	4
AS 91029	Apply linear algebra in solving problems	3
AS 91036	Investigate a given bivariate data set using the statistical enquiry cycle	3

External achievement standards

Number	Title	Credits
AS 91028	Investigate relationships between tables, equations and graphs	4
AS 91031	Apply geometric reasoning in solving problems	4
AS 91037	Demonstrate understanding of chance and data	4

Common assessment task (CAT)

Number	Title	Credits
AS 91027	Apply algebraic procedures in solving problems	4

Entry requirements: Year 10 Mathematics.

Course costs: Online interactive workbook subscription and graphics calculator (Casio FX-9750GII).
Laptop required, capable of running MS Office (MS Office supplied by school).

MATHEMATICS

NCEA LEVEL 2

Course outline:

This is an academic course that requires proficiency in Level 1 Algebra. It establishes the foundation for tertiary study requiring a higher understanding of mathematics.

Calculus option:

Internal achievement standards

Number	Title	Credits
AS 91256	Apply coordinate geometry methods in solving problems	2
AS 91257	Apply graphical methods in solving problems	4
AS 91259	Apply trigonometric relationships in solving problems	3

External achievement standards

Number	Title	Credits
AS 91261	Apply algebraic methods in solving problems	4
AS 91262	Apply calculus methods in solving problems	5
AS 91267	Apply probability methods in solving problems	4

Statistics option:

Internal achievement standards

Number	Title	Credits
AS 91256	Apply coordinate geometry methods in solving problems	2
AS 91257	Apply graphical methods in solving problems	4
AS 91259	Apply trigonometric relationships in solving problems	3
AS 91264	Use statistical methods to make an inference	4

External achievement standards

Number	Title	Credits
AS 91261	Apply algebraic methods in solving problems	4
AS 91267	Apply probability methods in solving problems	4

Entry requirements: NCEA L1 Mathematics.

Course costs: Online interactive workbook subscription and graphics calculator.
(Casio FX – 9750G II)
Laptop required, capable of running MS Office (MS Office supplied by school).

CALCULUS

NCEA LEVEL 3

Course outline:

This is a highly academic course that requires proficiency in Level 2 algebra and is for students with a major interest in pure mathematics, engineering, economics, computer science and mathematical analysis.

Internal achievement standards

Number	Title	Credits
AS 91573	Apply the geometry of conic sections in solving problems	3
AS 91575	Apply trigonometric methods in solving problems	4

External achievement standards

Number	Title	Credits
AS 91577	Apply the algebra of complex numbers in solving problems	5
AS 91578	Apply differentiation methods in solving problems	6
AS 91579	Apply integration methods in solving problems	6

Entry requirements: Minimum 16 credits for NCEA Level 2 mathematics with merit or excellence in AS 91261 (Apply algebraic methods in solving problems).

Course costs: Online interactive workbook subscription and graphics calculator (Casio FX – 9750G II).

Laptop required capable of running MS Office (MS Office supplied by school).

Note: For guaranteed entry into The University of Auckland Bachelor of Engineering (Honours) Degree, the three external standards must be gained.

Scholarship

Scholarship is designed to extend very high achieving Level 3 students. The examination assesses your ability to synthesise and integrate concepts, to apply higher-level thinking based on in-school and independent learning.

STATISTICS

NCEA LEVEL 3

Course outline:

Statistics is a compulsory component of very popular areas such as business/commerce, the health, biological and biomedical sciences, and psychology. Stage One Statistics is the most studied course in the University of Auckland and it is recognised that obtaining evidence from data is a core skill requirement in almost every field of endeavour.

Internal achievement standards

Number	Title	Credits
AS 91574	Apply linear programming methods in solving problems	3
AS 91587	Apply systems of simultaneous equations in solving problems	3
AS 91581	Investigate bivariate measurement data	4
AS 91582	Use statistical methods to make a formal inference	4

External achievement standards

Number	Title	Credits
AS 91585	Apply probability concepts in solving problems	4
AS 91586	Apply probability distributions in solving problems	4

Entry requirements: NCEA Level 2 mathematics.

Course costs: Online interactive workbook subscription and graphics calculator (Casio FX – 9750G II).

Laptop required capable of running MS Office (MS Office supplied by school).

Scholarship

Scholarship is designed to extend very high achieving Level 3 students. The examination assesses your ability to synthesise and integrate concepts, to apply higher-level thinking based on in-school and independent learning.

Course outline:

This course is designed to build student confidence by providing a supportive learning environment and to focus on gaining the compulsory minimum 10 numeracy credits required for the NCEA Level 1 certificate and for university entrance.

Please note:

Students taking MATa must be aware that they may not be able to proceed to a Level 2 Mathematics course. A minimum of 14 Mathematics credits at Merit level need to be gained in order to be considered for entry into Level 2 Mathematics, or they may be considered after consultation with the HOD.

Selected achievement standards or all achievement standards may be entered for, depending on the ability of students and their time management skills during the year.

Internal achievement standards

Number	Title	Credits
AS 91026	Apply numeric reasoning in solving problems	4
AS 91029	Apply linear algebra in solving problems	3
AS 91030	Apply measurements in solving problems	3
AS 91032	Apply right-angled triangles in solving measurement problems	3
AS 91034	Apply transformation geometry in solving problems	2
AS 91036	Investigate bivariate numerical data using the statistical enquiry cycle	3

Common assessment task (CAT)

Number	Title	Credits
AS 91027	Apply algebraic procedures in solving problems	4
AS 91037	Demonstrate understanding of chance and data	4

Entry requirements: Year 10 Mathematics.

Course costs: Online interactive workbook subscription and graphics calculator (Casio FX-9750GII) and mathematics set.

Course outline:

This course is designed to build student confidence by providing a supportive learning environment, focusing on gaining credits so that students have a pathway towards university entrance in Level 3 Statistics.

Please note:

Students taking 12MATa must be aware that they will need a minimum of 10 credits, including gaining achieved in Use Statistical Methods to make an inference internal, to be likely to be successful in Level 3 Statistics, or they may be considered after consultation with the HOD.

Selected achievement standards or all achievement standards may be entered for, depending on the ability of the students and their time management skills during the year.

Internal achievement standards

Number	Title	Credits
AS 91260	Apply network methods in solving problems	2
AS 91258	Apply sequences and series in solving problems	2
AS 91263	Design a questionnaire	3
AS 91264	Use statistical methods to make an inference	4

External achievement standards

Number	Title	Credits
AS 91267	Apply probability methods in solving problems	4

Physical Education

PHYSICAL EDUCATION (CORE)

Course outline:

This is compulsory for all Year 11 students. The following achievement standard may be offered.

Internal achievement standard

Number	Title	Level	Credits
AS 90962	Participate actively in a variety of physical activities and explain factors that influence own participation	1	5

PHYSICAL EDUCATION

NCEA LEVEL 1

Course outline:

Students will complete the following achievement standards to gain Physical Education Level 1.

Internal achievement standards

Number	Title	Credits
AS 90963	Demonstrate understanding of the function of the body as it relates to the performance of physical activity	5
AS 90964	Demonstrate quality movement in the performance of a physical activity	3
AS 90966	Demonstrate interpersonal skills in a group and explain how these skills impact on others 4 credits	4
AS 90967	Demonstrate strategies to improve the performance of a physical activity and describe the outcomes 3 credits	3
AS 90970	Demonstrate self management strategies and describe the effects on participation in physical activity	3

Entry requirements: You must be someone who is interested in sport/physical activity and must desire and be willing to take part in leadership roles involving school sports events, i.e. lunchtime sport, ACS days, sports assemblies.

Course costs: There may be a small cost for some activities.

Course outline:

Students will complete the following achievement standards to gain Physical Education Level 2.

Internal achievement standards

Number	Title	Credits
AS91328	Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills	5
AS 91330	Perform a physical activity in an applied setting	4
AS 91331	Examine the significance for self, others and society of a sporting event, a physical activity, or a festival	4
AS 91332	Demonstrate understanding of leadership strategies that contribute to the effective functioning of a group	4
AS 91334	Demonstrate social responsibility during physical activity	3

Entry requirements: Students must be physically active, be involved in sport at club or school level and have successfully completed PE achievement standards at Level 1. Students need a reasonable competence in literacy and writing.

Course costs: Workbook; student trips.

Course outline:

This course focuses on four main concepts: Well Being, Hauora; Health Promotion; The Socio-Ecological Perspective; The importance of attitudes and values that promote Hauora.

This is a writing intensive PE course.

Internal achievement standards

Number	Title	Credits
AS 91498	Evaluate physical activity experiences to devise strategies for lifelong well being	4
AS 91499	Analyse a physical skill performed by self or others	3
AS 91500	Evaluate the effectiveness of a performance improvement programme	4
AS 91501	Demonstrate quality performance of a physical activity in an applied setting	4
AS 91789	Devise strategies for a physical activity outcome	4

Entry requirements: Students must be physically active, be involved in sport at club or school level and have successfully completed the PE course at Level 2. Students need a reasonable competence in literacy and writing.

Course costs: Activity fees.

Scholarship

Scholarship is designed to extend very high achieving Level 3 students.

Course outline:

The course delivers a selection of the following internally assessed NCEA Level 2 unit standards and achievement standards. This course includes PE university entrance credits.

Internal achievement standards

Number	Title	Credits
US 425	Experience Day Tramps	3
US 426	Experience Camping	3
US 431	Navigate in good visibility on land	3
US 20159	Gather and apply weather information to an outdoor recreation activity	2
US 26542 (optional)	Demonstrate basic knowledge of the operation of pleasure/small craft by day. (online Day Skipper course)	6
AS 91330	Perform a physical activity (rock climbing) in an applied setting (Scuba diving, indoor climbing, mud run, stand up paddle boarding)	4 UE
AS 91333	Analyse the application of risk management strategies to a challenging outdoor activity (day trip, Wero, BMAC)	3 UE
AS 91334	Consistently demonstrate social responsibility through applying social responsibility model in physical activity	3 UE
AS 91335	Examine the implementation and outcome(s) of a physical activity event or opportunity (overnight trip)	3 UE

Entry requirements: Students taking this course will have an interest in outdoor pursuits including tramping, rock climbing, outdoor experiences and has a future interest in careers related to the outdoors.

Class Limit: 20 students . **Course costs:** Approximately \$450.00

Course outline:

The course delivers a selection of the following internally assessed NCEA Level 3 unit standards and achievement standards. This course includes PE university entrance credits.

Internal achievement standards

Number	Title	Credits
AS91498	Evaluate Physical activity experiences	4
AS91501	Demonstrate quality performance (rock climbing/bouldering,, mud run)	4
AS91504	Analyse issues in safety management	3
US20817	Plan for, participate in, and evaluate mountain bike rides on intermediate to expert terrain	3
US 26246	Demonstrate mountain biking knowledge and skills	5

Entry requirements: Students taking this course will have an interest in outdoor pursuits including, rock climbing, water based activities and other outdoor experiences. Students also taking this course may have a future interest in careers related to the outdoors or are wanting to go on and complete a Certificate in Outdoor Recreation.

Class Limit: 18 students . **Course costs:** Approximately \$500.00

Science

SCIENCE

NCEA LEVEL 1

Course outline:

This course is made up of internal and external achievement standards. Students will have the opportunity to build on the concepts learnt in Year 10 science as well as carry out guided practical investigations. Topics included cover the three major areas of science – Biology, Chemistry and Physics as well as Geology (optional).

Science is compulsory at Level 1 and is a prerequisite for any student wishing to study Biology, Chemistry or Physics at Level 2.

Internal achievement standards

Number	Title	Credits
AS 90930	Carry out a practical chemistry investigation, with direction	4
AS 90935	Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction	4
AS 90954	Demonstrate understanding of the effects of astronomical cycles on planet Earth	4

External achievement standards

Number	Title	Credits
AS 90940	Demonstrate understanding of aspects of mechanics	4
AS 90944	Demonstrate understanding of aspects of acids and bases	4
AS 90948	Demonstrate understanding of biological ideas relating to genetic variation	4

Entry requirements: Year 10 Science.

Course costs: Online workbook subscription.
Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

Course outline:

This course is made up of internal and external achievement standards that focuses on practical learning. It is designed to create links between science theory and the physical application using sports as a context where appropriate.

Science is compulsory at Level 1 and is a prerequisite for any student wishing to study Biology, Chemistry or Physics at Level 2.

Internal achievement standards

Number	Title	Credits
AS 90935	Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction	4
AS 90936	Demonstrate understanding of the physics of an application	2
AS 90925	Carry out practical investigation in a biological context, with direction	4

External achievement standards

Number	Title	Credits
AS 90940	Demonstrate understanding of aspects of mechanics	4

Entry requirements: Year 10 Science.

Course costs: Online workbook subscription.
Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

Course outline:

Students will be introduced to the major themes of biology. Assessment includes practical work and research as well as examinations. This course leads towards careers in medicine and Nursing, Veterinary Science, Physiotherapy, Sports Science, research and many others.

Internal achievement standards

Number	Title	Credits
AS 91155	Demonstrate understanding of adaptation of plants or animals to their way of life	3
AS 91158	Investigate a pattern in an ecological community, with supervision	4

External achievement standards

Number	Title	Credits
AS 91156	Demonstrate understanding of life processes at the cellular level	4
AS 91157	Demonstrate understanding of genetic variation and change	4
AS 91159	Demonstrate understanding of gene expression	4

Entry requirements: Minimum of Achieved in NCEA Level 1 Genetic Variation Achievement Standard, and Achieved in two other NCEA Level 1 science standards, or HOD approval.

Course costs: Write-on workbook and field trip costs.
Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

Course outline:

Students will gain a greater understanding of genetic change, as well as plant and animal responses to their environments. Assessment includes an extended practical investigation and research as well as examinations. This course leads towards careers in Medicine and Nursing, Veterinary Science, Physiotherapy, Sports Science, research and many others.

Internal achievement standards

Number	Title	Credits
AS 91604	Demonstrate understanding of how an animal maintains a stable internal environment	3
AS 91607	Demonstrate understanding of human manipulations of genetic transfer and its biological implications	3

External achievement standards

Number	Title	Credits
AS 91603	Demonstrate understanding of the responses of plants and animals to their external environment	5
AS 91605	Demonstrate understanding of evolutionary processes leading to speciation	4
AS 91606	Demonstrate understanding of trends in human evolution	4

Entry requirements: Minimum of 'Achieved' in two external standards and one internal standard at Level 2 Biology or HOD approval.

Course costs: Write-on workbook and field trip costs.
Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

Scholarship

Scholarship is designed to extend very high achieving Level 3 students.

Course outline:

At Level 2 students will gain a better understanding of the structure of an atom and its relationship with other atoms in terms of structure, bonding and chemical reactions. The basis of organic chemistry will be explored together with chemical reactivity and redox reactions. A major focus on internal assessments is calculations. This requires a basic understanding of Level 1 Mathematics.

Internal achievement standards

Number	Title	Credits
AS 91161	Carry out quantitative analysis	4
AS 91167	Demonstrate understanding of oxidation- reduction	3

External achievement standards

Number	Title	Credits
AS 91164	Demonstrate understanding of bonding, structure and energy changes	5
AS 91165	Demonstrate understanding of the properties of selected organic compounds	4
AS 91166	Demonstrate understanding of chemical reactivity	4

Entry requirements: Minimum of Achieved in NCEA Level 1 AS 90944 and in three other NCEA Level 1 Science standards.

Course costs: Chemistry workbook.
Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

Course outline:

This course builds up on the knowledge from Level 2 Chemistry and also provides the student to carry out an extended analytical investigation. Chemistry at Level 3 leads to qualifications involving biotechnology, nursing, optometry, medicine, pharmacy, veterinary science, chemical engineering, industrial chemistry, dentistry, food technology.

Internal achievement standards

Number	Title	Credits
AS 91387	Carry out an investigation in chemistry involving quantitative analysis	4
AS 91388	Demonstrate understanding of spectroscopic data in chemistry	3
AS 91393	Demonstrate understanding of oxidation-reduction processes	3

External achievement standards

Number	Title	Credits
AS 91390	Demonstrate understanding of thermochemical principles and the properties of particles and substances	5
AS 91391	Demonstrate understanding of the properties of organic compounds	5
AS 91392	Demonstrate understanding of equilibrium principles in aqueous systems (optional)	5

Entry requirements: Minimum of 'Achieved' in two external achievement standards at NCEA Level 2 Chemistry, which includes AS 91165, or HOD approval.

Course costs: Chemistry Workbook.
Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

Scholarship

Scholarship is designed to extend very high achieving Level 3 students.

Course outline:

This is an academic course that develops the skills of physics that are required to enable a student to succeed in the NCEA Level 3 physics course. Credits gained contribute to the NCEA Level 2 Certificate.

Internal achievement standards

Number	Title	Credits
AS 91168	Carry out a practical physics investigation that leads to a non-linear mathematical relationship	4
AS 91172	Demonstrate understanding of atomic and nuclear physics	3

External achievement standards

Number	Title	Credits
AS 91170	Demonstrate an understanding of waves	4
AS 91171	Demonstrate an understanding of mechanics	6
AS 91173	Demonstrate an understanding of electricity and magnetism	6

Entry requirements: Minimum of Achieved in physics external standard NCEA Level 1 AS 90191, or HOD approval, plus 'Merit' in CAT Mathematics Level 1.

Course costs: Write-on workbook, graphics calculator.
Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

Course outline:

This is an academic course that develops the skills of physics that are required to enable a student to succeed in tertiary courses. Credits gained contribute to the NCEA Level 3 Certificate.

Internal achievement standards

Number	Title	Credits
AS 91521	Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	4
AS 91525	Demonstrate understanding of modern physics	3

External achievement standards

Number	Title	Credits
AS 91523	Demonstrate understanding of wave systems	4
AS 91524	Demonstrate understanding of mechanical systems	6
AS 91526	Demonstrate understanding of electrical systems	6

Entry requirements: Achieved in mechanics and electricity external achievement standards at Level 2
Physics or HOD approval.

Course costs: Write-on workbook, calculator.
Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

Please note: For guaranteed entry into The University of Auckland Bachelor of Engineering (Honours) Degree, the three external standards must be gained.

Scholarship

Scholarship is designed to extend very high achieving Level 3 students.

Social Sciences

GEOGRAPHY

NCEA LEVEL 1

Course outline:

Geography is about people and their relationship with their environment. Students develop a range of practical and valuing skills as they investigate current geographic issues and global topics. This course includes studies of volcanoes around the world and in New Zealand and population patterns and related issues in New Zealand and elsewhere. Students will learn to draw and interpret various types of maps. Students will also learn how to use online GIS, a geographic information system (software) that is used by governments and councils around the world for spatial analysis.

Internal achievement standards

Number	Title	Credits
AS 91011	Conduct geographic research, with direction	4
AS 91014	Apply spatial analysis, with direction, to solve a geographic problem	3

External achievement standards

Number	Title	Credits
AS 91007	Demonstrate geographic understanding of an extreme natural event	4
AS 91008	Demonstrate geographic understanding of population concepts	4
AS 91010	Apply concepts and basic geographic skills to demonstrate understanding of a given environment	4

Entry requirements: None.

Course costs: Class trips.
Laptop required, capable of running MS Office (MS Office supplied by school).

Course outline:

Geography is about people and their relationship with their environment. Students develop a range of practical and valuing skills as they investigate current geographic issues and global topics.

This course includes study of a large natural environment (Tongariro Volcanic Centre) and development issues in developed and undeveloped countries (New Zealand and Tanzania). Students will learn to draw and interpret various types of maps.

Internal achievement standards

Number	Title	Credits
AS 91241	Demonstrate geographic understanding of an urban pattern	3
AS 91244	Conduct geographic research with guidance	5
AS 91246	Explain aspects of a geographic topic at a global scale	3

External achievement standards

Number	Title	Credits
AS 91240(optional)	Demonstrate geographic understanding of a large natural environment	4
AS 91242	Demonstrate geographic understanding of differences in development	4
AS 91243	Apply concepts of geographic skills to demonstrate understanding of a given environment	4

Entry requirements: Level 1 Geography or the discretion of the HOD.

Course costs: Students go on a field trip to the central North Island to conduct geographic research.
Other class trips.
Laptop required, capable of running MS Office (MS Office supplied by school).

Course outline:

Geography is about people and their relationship with their environment. Students develop a range of practical and valuing skills as they investigate current geographic issues and global topics.

This course includes studies of coastal processes and geographic research at Muriwai and tourism development in Rotorua and Fiji. Students will learn to draw and interpret various types of maps. Students will also build their knowledge in the use of Geo Maps, a geographic information system (software) used around the world.

Internal achievement standards

Number	Title	Credits
AS 91430	Conduct geographic research with consultation	5
AS 91432	Analyse aspects of a geographic topic at a global scale	3
AS 91433	Apply spatial analysis with consultation to solve a geographic problem	3

External achievement standards

Number	Title	Credits
AS 91426	Demonstrate understanding of how interacting natural processes shape a New Zealand geographic environment	4
AS 91427	Demonstrate understanding of how a cultural process shapes geographic environment(s)	4
AS 91429	Demonstrate understanding of a given environment(s) through the selection and application of geographic concepts and skills	4

Entry requirements: Level 2 Geography or the discretion of the HOD.

Course costs: Class trips.
Laptop required, capable of running MS Office (MS Office supplied by school).

Scholarship

Scholarship is designed to extend very high achieving Level 3 students.

Course outline:

History in Year 11 covers topics that are of significance to New Zealand and the rest of the world. The course of study will include an in depth look at the 1981 Springbok Tour, the Origins of World War II and Black Civil Rights in USA. Students will be developing questioning and research skills and will learn how to write formal essays.

Internal achievement standards

Number	Title	Credits
91001	Carry out an investigation of an historical event, or place, of significance to New Zealanders.	4
91002	Demonstrate understanding of an historical event, or place, of significance to New Zealanders.	4
91004	Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders.	4

External achievement standards

Number	Title	Credits
91003	Interpret sources of an historical event of significance to New Zealanders.	4
91005	Describe the causes and consequences of an historical event	4

Entry requirements: Proficiency in English and Social Studies at year 10 level.

Course costs: \$10 for photo copying.
Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

Course outline:

The course of study in year 12 includes analysis of the Vietnam War and the Russian Revolution. Students will be encouraged to take a more involved interest by delving into the intrigue and drama of these topics.

Internal achievement standards

Number	Title	Credits
91229	Carry out an inquiry of an historical event or place that is of significance to New Zealanders.	4
91230	Examine an historical event, or place, of significance to New Zealanders.	5
91232	Interpret different perspectives of people in an historical event that is of significance to New Zealanders.	5

External achievement standards

Number	Title	Credits
91233	Examine causes and consequences of a significant historical event.	5
91234	Examine how a significant historical event affected New Zealand society.	5

Entry requirements: Level 1 English.

Course costs: \$10 for photocopying.

Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

HISTORY

NCEA LEVEL 3

Course outline:

Year 13 History will include thorough evaluation of the Fall of the Bastille, which heralded the beginning of the French Revolution, Woman's Suffrage in New Zealand and the intriguing relationships forged between early missionaries and Maori in the early contact period.

Internal achievement standards

Number	Title	Credits
91434	Research an historical event or place of significance to New Zealanders, using primary and secondary sources.	5
91435	Analyse an historical event, or place, of significance to New Zealanders.	5
91437	Analyse different perspectives of a contested event of significance to New Zealanders.	5

External achievement standards

Number	Title	Credits
91438	Analyse the causes and consequences of a significant historical event.	6

Entry requirements: Level 2 English.

Course costs: \$10 for photocopying.

Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

Scholarship

Scholarship is designed to extend very high achieving Level 3 students.

Course outline:

This course has been specifically designed to provide students with an introduction to the tourism industry. It recognises the knowledge and skills required as a base for further training in the tourism industry. This in turn can lead to qualifications and careers in outbound travel such as travel consultancy or wholesale travel, and inbound tourism within the New Zealand tourism industry.

Students awarded with this qualification are able to demonstrate communication skills: written and verbal, mathematics and information technology in the context of the tourism industry. This includes knowledge of world geography and tourism destinations within New Zealand, as well as tourism as a worldwide industry.

Internal unit standards – Travel and Tourism (compulsory)

Number	Title	Level	Credits
US 18237	Perform calculations for a tourism workplace	2	3
US 23761	Read and comprehend work-related documents in English for a tourism workplace	2	3
US 23767	Demonstrate knowledge of and use the Internet in a tourism workplace	2	2
US 24726	Describe and compare social and cultural impacts of tourism	2	2
US 24727	Describe and compare impacts of tourism on the physical environment	2	3
US 24728	Demonstrate knowledge of work roles in tourism	2	3
US 24729	Demonstrate knowledge of world tourist destinations	2	4
US 24730	Demonstrate knowledge of the business of tourism	2	4
US 24731	Demonstrate knowledge of destination New Zealand	2	4
US 24732	Demonstrate knowledge of tourist characteristics and needs	2	3

Level 3 units (compulsory)

Number	Title	Level	Credits
US 3727	Demonstrate knowledge of Pacific Island countries as tourist destinations	3	5
US 18211	Demonstrate knowledge of Australia as a tourist destination	3	5
US 24725	Describe and analyse the economic significance of tourism	3	4
US 23755	Identify and self-evaluate the demands of a specific role in a tourism workplace	3	3
US 378	Provide customer service for international visitors	3	3

Entry requirements: Students must have achieved a minimum of 8 credits in Level 1 Mathematics or Science.

Course costs: The school will subsidise up to 24 credits (NZ residents only). There may be additional costs for any student wishing to pursue further credits.

Laptop or hybrid type device (tablet and keyboard, Surface Pro), capable of running MS Office (MS Office supplied by school).

Qualification: National Certificate in Tourism (Secondary Schools). Level 2—(total of 51 credits).

DESIGN AND VISUAL COMMUNICATION

NCEA LEVEL 1

Course outline:

In today's society, communication and design in its many forms are vital factors. Design and Visual Communication helps to meet the needs of a modern technological society by combining the important educational aspects of graphic communication and creative problem solving. It focuses on communicating ideas and precise information through drawing. Through graphic communication, students give directions to others, plan a procedure or system of operation, exactly describe a mechanism, or realistically portray the shape and form of any object.

The NCEA Level 1 Design and Visual Communication programme at Elim Christian College includes design briefs based on realistic and thought-provoking situations. They are intended to encourage, and challenge you to achieve your best. You will be encouraged to seek individual, innovative solutions and use graphics to develop, record, and communicate these solutions in a variety of ways.

Internal achievement standards

Number	Title	Credits
AS 91066	Use rendering techniques to communicate the form of own design ideas	3
AS 91067	Use the work of an influential designer to inform own design ideas	3
AS 91068	Demonstrate the development of a design idea communicated through graphics practice	6

External achievement standards

Number	Title	Credits
AS 91063	Produce freehand sketches that communicate design ideas	3
AS 91064	Produce instrumental, multi-view orthographic drawings that communicate technical features of design ideas	3
AS 91065	Produce instrumental paraline drawings to communicate design ideas	3

Entry requirements: Studied the subject at previous level or approval by HOD.

Course costs: Stationery and workbook.

DESIGN AND VISUAL COMMUNICATION

NCEA LEVEL 2

Course outline:

Design and Visual Communication helps to meet the needs of a modern technological society by combining the important educational aspects of graphic communication and creative problem solving. It focuses on communicating ideas and precise information through drawing. This practical course builds on skills learnt at Level 1.

Internal achievement standards

Number	Title	Credits
AS 91340	Use the characteristics of a design movement or era to inform own design ideas	3
AS 91341	Develop a spatial design through graphics practice	6
AS 91342	Develop a product design through graphics practice	6
AS 91343	Use presentation techniques to compose a presentation of a design	4

External achievement standards

Number	Title	Credits
AS 91337	Use visual communication techniques to generate design ideas	3

Entry requirements: Students must have studied the subject at Level 1 or approval by HOD.

Course costs: Stationery.

DESIGN AND VISUAL COMMUNICATION

NCEA LEVEL 3

Course outline:

Technology is intervention by design to expand human possibilities. Almost every aspect of daily life – food, health care, transport, communications, entertainment, our environment – uses technology. This technology is constantly evolving: today's 'new technology' may be superseded tomorrow or in a year's time. New Zealanders have long been technological innovators and creators. Our economy has been driven by creative problem solvers, designers and inventors.

This course combines the important educational aspects of graphic communication and creative problem solving. It focuses on communicating ideas and precise information through drawing. This practical course builds on skills learnt at Level 2.

Internal achievement standards

Number	Title	Credits
91628	Develop a visual presentation that exhibits a design outcome to an audience	6
91629	Resolve a spatial design through graphics practice	6
91630	Resolve a product design through graphics practice	6

External achievement standards

Number	Title	Credits
91627	Initiate design ideas through exploration	3

Entry requirements: Students must have studied the subject at Level 2 or approval by HOD.

Course costs: Stationery and software application – approximately \$30.

Scholarship

This course is suitable for students who excel in this subject.

Course outline:

This is an academic, university-approved subject delivered under the technology learning area, designed to turn students from consumers into creators of digital technology. Students cover a range of topics with a focus on media creation and computer science.

Only students who have demonstrated commitment to their internal assessments and have passed the internals well will be considered for doing any external assessments at Level 1-3. Getting endorsement will require a high level of dedication and self-management.

Internal achievement standards

Number	Title	Credits
AS 91881	Develop an electronics outcome	6
AS 91883	Develop a computer program	4
AS 91884	Use basic iterative processes to develop a digital outcome	6
AS91885	Demonstrate understanding of searching and sorting algorithms	3

External achievement standards

Number	Title	Credits
AS 91886	Demonstrate understanding of human computer interaction	3
AS 91887	Demonstrate understanding of compression coding for a chosen media type	3

Internal achievement standards

Number	Title	Credits
AS 91894	Use advanced techniques to develop an electronic s outcome	6
AS 91896	Use advanced techniques to develop a computer program	6
AS 91897	Use advanced iterative processes to plan and develop a digital outcome	6

External achievement standards

Number	Title	Credits
AS 91898	Demonstrate understanding of a computer science concept	3
AS 91899	Present a summary of developing a digital outcome	3

Entry requirements: Achievement in NCEA Level 1 Digital Technologies or by approval of the TIC Digital Technologies.

Internal achievement standards

Number	Title	Credits
AS 91904	Use complex techniques to develop an electronics outcome	6
AS 91906	Use complex programming techniques to develop a computer program	6
AS 91907	Use complex processes to develop a digital technologies outcome	6

External achievement standards

Number	Title	Credits
AS 91908	Analyse an area of computer science	3
AS 91909	Present a reflective analysis of developing a digital outcome	3
AS 91636	Demonstrate understanding of areas of computer science	4

Entry requirements: Achievement in NCEA Level 2 Technologies or by approval of the TIC Digital Technologies.

Construction Trades Programme: Carpentry, Plumbing and Electrical

(Offered through MIT in conjunction with Ormiston and Sancta Maria Colleges)

Course outline:

Students will engage in practical building skills as well as researching products and regulations online; planning the building process and studying the building, plumbing and electrical industries.

Students gain credits towards:

National Certificate in Building, Construction and Allied Trade Skills (L2)

National Certificate in Plumbing, Gasfitting and Drainlaying (L2)

National Certificate in Electrical Engineering (L2)

Internal achievement standards

Number	Title	Level	Credits
12937	Erect a timber pergola as a BCATS Project	2	5
24358	Plan and monitor the construction of a BCATS project and quality check the product	2	2
24353	Demonstrate knowledge of an create sketches and drawings for BCATS projects	2	6
25333	Demonstrate knowledge of the plumbing industry within a BCATS environment	2	2
25419	Demonstrate knowledge of sanitary plumbing systems and components	2	3
25420	Demonstrate knowledge of cold water supply systems in buildings	2	2
750	Demonstrate knowledge of electrical test instruments and take measurements	2	2
15851	Demonstrate knowledge of electrical safety and safe working practices for electrical workers	2	3
15852	Isolate and test low voltage electrical sub circuits	2	2
15844	Select and install flexible cords	2	3

Entry requirements: None

Course costs: None

Please note: Numbers are strictly limited.

The Arts

MUSIC

NCEA LEVEL 1

Course outline:

NCEA Level 1 music is designed to cater for musicians who aim to broaden their musical experience, develop a deeper understanding and appreciation of music and discover musical potential. It is an ideal course for students wishing to head for further study or employment in music.

Students need to be involved in instrumental or voice lessons either privately or at school.

Students need to participate in co-curricular music at school, as this can count towards their group performance credits. Level 1 Music offers a wide variety of practical music making experiences.

Internal achievement standards

Number	Title	Credits
AS 91090	Perform two pieces of music as a featured soloist	6
AS 91091	Demonstrate ensemble skills through performing a piece of music as a member of a group	4
AS 91092	Compose two original pieces of music	6
AS 91095	Demonstrate knowledge of two music works from contrasting contexts	6

External achievement standards

Number	Title	Credits
AS 91093	Demonstrate aural and theoretical skills through transcription	4
AS 91094	Demonstrate knowledge of conventions used in music scores	4

Entry requirements: Year 10 music or prior approval by HOD Music.

Course costs: Workbook
Laptop, Apple or other, which allows recording software:
Garage Band, free for Apple users or
Mixcraft, for other laptops

MUSIC

NCEA LEVEL 2

Course outline:

NCEA Level 2 music is designed to cater for musicians who aim to broaden their musical experience, develop a deeper understanding and appreciation of music and discover musical potential. It is an ideal course for students wishing to head for further study or employment in music.

Students need to be involved in instrumental or voice lessons either privately or at school.

Students need to participate in co-curricular music at school, as this can count towards their performance credits. Level 2 Music offers a wide variety of practical music making experiences.

Internal achievement standards

Number	Title	Credits
AS 91270	Perform two substantial pieces of music as a featured soloist	6
AS 91272	Demonstrate ensemble skills by performing a substantial piece of music as a member of a group	4
AS 91271	Compose two substantial pieces of music	6
AS 91277	Demonstrate understanding of two substantial contrasting music works	6
AS 91273	Devise an instrumentation for an ensemble	4

External achievement standards

Number	Title	Credits
AS 91275	Demonstrate aural skill through written representation	4
AS 91276	Demonstrate knowledge of conventions in a range of music scores	4

Entry requirements: Achievement in NCEA Level 1 music or prior approval by HOD Music.

Course costs: Workbook
Laptop, Apple or other, which allows recording software:
Garage Band, free for Apple users or
Mixcraft, for other laptops

MUSIC

NCEA LEVEL 3

Course outline:

NCEA Level 3 music aims to broaden musical experience and develop a deeper understanding of music. It is an ideal course for students wishing to head for further study or employment in music. Students need to be involved in instrumental or voice lessons either privately or at school. Students also need to participate in co-curricular music at school, as this may count towards their performance credits.

Internal achievement standards

Number	Title	Credits
AS 91416	Perform two programmes of music as a featured soloist	8
AS 91417	Perform a programme of music as a featured soloist on a second instrument	4
AS 91418	Demonstrate ensemble skills by performing two substantial pieces of music as a member of a group	4
AS 91419	Communicate musical intention by composing three original pieces of music	8
AS 91422	Analyse a substantial music work	4
AS 91424	Create two arrangements for an ensemble	4
AS 91425	Research a music topic	6

External achievement standards

Number	Title	Credits
AS 91421	Demonstrate understanding of harmonic and tonal conventions in a range of music scores	4

Entry requirements: Achievement in NCEA Level 2 music, or prior approval by HOD Music.

Course costs: Workbook
Laptop, Apple or other, which allows recording software:
Garage Band, free for Apple users or
Mixcraft, for other laptops

Scholarship

This course is suitable for students who excel in this subject.

Course outline:

NCEA Level 1 art extends the art-making skills learned in Years 9 and 10 and requires a reasonable level of competency in drawing and painting. This course aims to develop perceptual ability, creative imagination and critical knowledge. Students will study the work of New Zealand and overseas artists to assist their decision making when producing their own art.

Students will present a set number of workbook pages for each internal assessment and a portfolio of work on two A1 size boards for the externally moderated assessment.

This course is a foundation for NCEA Level 2 visual art.

Internal achievement standards

Number	Title	Credits
AS 90913	Demonstrate understanding of artworks from cultural contexts using art terminology	4
AS 90914	Use drawing methods for recording information using wet and dry media	4
AS 90915	Use drawing conventions to develop work in more than one field of practice	6

External achievement standards

Number	Title	Credits
AS 90916	Produce a body of work informed by established practice, which develops ideas, using a range of media	12

Entry requirements: Successfully completed Year 10 art.

Course costs: Student stationery estimated cost \$60 spread across the year.
In addition there is a course fee of \$50 to cover folio board costs

Course outline:

In this course ideas and techniques are covered in more depth and issues are tested by studying particular artists and their approaches. Over the course of the year photography and painting are studied in some depth. Students are required to take a more individual approach and make decisions that reflect their own opinions about possible directions regarding the content and the direction of their work.

Internal achievement standards

Number	Title	Credits
AS 91306	Demonstrate an understanding of methods and ideas from established practice appropriate to painting	4
AS 91311	Use drawing methods to apply knowledge of conventions appropriate to painting practice	4
AS 91316	Develop ideas in a related series of drawings appropriate to established painting practice	4

External achievement standards

Number	Title	Credits
AS 91321	Produce a systematic body of work that shows understanding of art making conventions and ideas within painting	12

Entry requirements: Achieved at least 12 credits in Level 1 or approval by HOD Visual Arts.

Course costs: Student stationery from Office Max. Estimated cost \$60 spread across the year.
In addition, there is a course fee of \$60 to cover folio board costs.

VISUAL ART: PAINTING

NCEA LEVEL 3

Course outline:

The understanding and application of ideas and techniques related to painting are studied in detail and students are required to engage in work of a high conceptual level. Students require prior knowledge of artistic ideas and issues as well as familiarity with traditional and contemporary art styles and methods of working.

Internal achievement standards

Number	Title	Credits
AS 91441	Analyse methods and ideas from established painting practice	4
AS 91446	Use drawing to demonstrate understanding of conventions appropriate to painting	4
AS 91451	Systematically clarify ideas using drawing informed by established painting practice	4

External achievement standards

Number	Title	Credits
AS 91456	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice	14

Entry requirements: Achieved at least 12 credits in Level 2 or approval by HOD Visual Arts.

Course costs: Student stationery from Office Max. Estimated cost \$100 spread across the year.
In addition there is a course fee of \$60 to cover folio board costs.

Scholarship

This course is suitable for students who excel in this subject.

Course outline:

NCEA Level 1 digital art extends the art making skills learned in Year 10 art design. The understanding and application of ideas and techniques are studied in detail and students are required to engage in work of a high conceptual level. This course aims to develop perceptual ability, creative imagination and critical knowledge and builds a strong foundation for Level 2 photography and art design.

Students should be aware that Adobe Creative Suite will be the main creative tool used throughout the course and a familiarity with this creative software programme is beneficial.

Internal achievement standards

Number	Title	Credits
AS 90913	Demonstrate understanding of art works from a Maori and another cultural context using art terminology	4
AS90914	Use drawing methods and skills for recording information using wet and dry media	4
AS 90915	Use drawing conventions to develop work in more than one field of practice	6
AS 90917	Produce a finished work that demonstrates skills appropriate to cultural conventions	4

Entry requirements: Successfully completed Year 10 Art and Design.

Course costs: Student stationery.

This course has the compulsory requirement of a laptop with Adobe Photoshop installed as a minimum (Adobe Creative Suite is a better value package for a similar price). There are a range of Adobe Creative Suite payment options including a monthly subscription option. Parents are encouraged to investigate the best package to suit their child's requirements.

Minimum laptop specifications: 8GB with an operating system of either Mac OS X 10.9, or Windows 7 or later.

In addition there is a course fee of \$40 to cover printing costs.

Access to a digital SLR (Single Lens Reflex) camera is strongly advised.

Course outline:

The understanding and application of ideas and techniques related to design are studied in detail and students are required to engage in work of a high conceptual level. Students require prior knowledge of artistic ideas and issues in design, as well as familiarity with traditional and contemporary art styles and methods of working.

Students should be aware that Adobe Creative Suite will be the main creative tool used throughout the course and a familiarity with this creative software programme is beneficial.

Internal achievement standards

Number	Title	Credits
AS 91305	Demonstrate an understanding of methods and ideas from established design practice.	4
AS 91310	Use drawing methods to apply knowledge of conventions appropriate to design.	4
AS 91315	Develop ideas in a related series of drawings appropriate to established design practice.	4

External achievement standards

Number	Title	Credits
AS 91320	Produce a systematic body of work that shows understanding of art making conventions and ideas within design.	12

Entry requirements: Achieved at least 12 credits in Level 1 or approval by HOD Visual Arts.

Course costs: Student stationery.

This course has the compulsory requirement of a laptop with Adobe Photoshop installed as a minimum (Adobe Creative Suite is a better value package for a similar price). There are a range of Adobe Creative Suite payment options including a monthly subscription option. Parents are encouraged to investigate the best package to suit their child's requirements. Minimum laptop specifications: 8GB with an operating system of either Mac OS X 10.9, or Windows 7 or later. In addition there is a course fee of \$60 to cover printing and folio board costs.

VISUAL ART: DESIGN

NCEA LEVEL 3

Course outline:

The understanding and application of ideas and techniques related to design are studied in detail and students are required to engage in work of a high conceptual level. Students require prior knowledge of artistic ideas and issues in design, as well as familiarity with traditional and contemporary art styles and methods of working.

Students should be aware that Adobe Creative Suite will be the main creative tool used throughout the course and a familiarity with this creative software programme is beneficial.

Internal achievement standards

Number	Title	Credits
AS 91440	Analyse methods and ideas from established design practice	4
AS 91445	Use drawing to demonstrate understanding of conventions appropriate to design	4
AS 91450	Systematically clarify ideas using drawing informed by established design practice	4

External achievement standards

Number	Title	Credits
AS 91455	Produce a systematic body of work that integrates conventions and regenerates ideas within design practice	14

Entry requirements: Achieved at least 12 credits in Level 2 or approval by HOD Visual Arts.

Course costs: Student stationery.

This course has the compulsory requirement of a laptop with Adobe Photoshop installed as a minimum (Adobe Creative Suite is a better value package for a similar price). There are a range of Adobe Creative Suite payment options including a monthly subscription option. Parents are encouraged to investigate the best package to suit their child's requirements.

Minimum laptop specifications: 8GB with an operating system of either Mac OS X 10.9, or Windows 7 or later.

In addition there is a course fee of \$60 to cover printing and folio board costs.

Scholarship

This course is suitable for students who excel in this subject.

Course outline:

The understanding and application of ideas and techniques related to photography are studied in detail and students are required to engage in work of a high conceptual level. Students require prior knowledge of artistic ideas and issues as well as familiarity with traditional and contemporary art styles and methods of working.

Students should be aware that Adobe Creative Suite will be the main creative tool used throughout the course and a familiarity with this creative software programme is beneficial.

Internal achievement standards

Number	Title	Credits
AS 91306	Demonstrate an understanding of methods and ideas from established photography practice.	4
AS 91311	Use drawing methods to apply knowledge of conventions appropriate to photography.	4
AS 91317	Develop ideas in a related series of drawings appropriate to established photography practice	4

External achievement standards

Number	Title	Credits
AS 91321	Produce a systematic body of work that shows understanding of art making conventions and ideas within photography.	12

Entry requirements: Achieved at least 12 credits in Level 1 Art or approval by HOD Visual Arts.

Course costs:

Student stationery.

This course has the compulsory requirement of a laptop with Adobe Photoshop installed as a minimum (Adobe Creative Suite is a better value package for a similar price). There are a range of Adobe Creative Suite payment options including a monthly subscription option. Parents are encouraged to investigate the best package to suit their child's requirements.

Minimum laptop specifications: 8GB with an operating system of either Mac OS X 10.9, or Windows 7 or later.

This course also requires students to have the use of a digital SLR (Single Lens Reflex) camera throughout the year. This is an expensive item and students and parents must consider this requirement before selecting the photography course. In addition there is a course fee of \$60 to cover printing and folio board costs.

Course outline:

The understanding and application of ideas and techniques related to photography are studied in detail and students are required to engage in work of a high conceptual level. Students require prior knowledge of artistic ideas and issues as well as familiarity with traditional and contemporary art styles and methods of working.

Students should be aware that Adobe Creative Suite will be the main creative tool used throughout the course and a familiarity with this creative software programme is beneficial.

Internal achievement standards

Number	Title	Credits
AS 91442	Analyse methods and ideas from established photography practice	4
AS 91447	Use drawing to demonstrate understanding of conventions appropriate to photography	4
AS 91452	Systematically clarify ideas using drawing informed by established photography practice	4

External achievement standards

Number	Title	Credits
AS 91457	Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice	14

Entry requirements: Achieved at least 12 credits in Level 2 or approval by HOD Visual Arts.

Course costs:

Student stationery.

This course has the compulsory requirement of a laptop with Adobe Photoshop installed as a minimum (Adobe Creative Suite is a better value package for a similar price). There are a range of Adobe Creative Suite payment options including a monthly subscription option. Parents are encouraged to investigate the best package to suit their child's requirements.

Minimum laptop specifications: 8GB with an operating system of either Mac OS X 10.9, or Windows 7 or later.

This course also requires students to have the use of a digital SLR (Single Lens Reflex) camera throughout the year. This is an expensive item and students and parents must consider this requirement before selecting the photography course. In addition there is a course fee of \$60 to cover printing and folio board costs.

Scholarship

This course is suitable for students who excel in this subject.

Distance Learning

Distance learning is a viable option for Year 11-13 students who want to study a subject that Elim Christian College is not able to offer or where there are option clashes. Te Aho o Te Kura Pounamu The Correspondence School (Te Kura), and other external providers offer courses in a wide range of subject areas. These can be both vocational and academic and earn NCEA credits at Levels 1-3.

Students who study by distance learning need to be highly motivated and focused. They will need to be responsible for organising themselves and for completing all the set tasks by the due dates. Most courses require the completion of 8-10 units of work over the year. This will entail approximately six-seven hours of work each week. Te Kura requires the regular return of work (every 3-4 weeks) in order to stay on the roll. This will need to be done through their online system. The distance learning providers offer good support and students are able to contact their teachers by telephone, email, or website communication.

Parental approval will be required before a student can proceed with an application to study a subject through distance learning. Students are limited to studying one subject only by distance learning.

There are no fees charged by Te Kura for domestic students, however, they will need to cover the cost of any specialised equipment and materials that are required. If students wish to print online workbooks will incur additional costs .

Gateway

The Gateway programme provides a pathway for Year 12 and 13 domestic students to undertake structured workplace learning across a range of industries and businesses, while continuing to study at school. Students can gain Level 1, 2 or 3 Unit Standards. Various Unit Standards are offered, depending on the industry. A minimum of 20 credits needs to be achieved per course.

Please note that Unit Standards do not count towards University Entrance.

There are limited spaces available. Students must apply for a course the year before commencement.

The courses will be paid for through Gateway funding.

Entry requirements:

As spaces are limited, preference will be given to Year 13 students. However, students who plan to leave school at the end of Year 12 will be given priority over other Year 12 students.

Special conditions apply for Year 11 students to enter the Gateway programme.

Costs:

Free to domestic students. However, if a student withdraws partway through a course, they may be required to repay the Gateway course fees. The average cost per course, per student, is \$500.

Examples of industries:

Agriculture, Aviation, Banking, Broadcasting, Butchery, Construction, Early Childhood Education, Event Management, Fashion, Hair and Beauty, Horticulture, Hospitality, IT, Motor Industry, Retails & Customer Service, Sport Training & Management, Trades Skills, Transport & Logistics, Travel and Tourism, Veterinary Medicine and many more.

Websites

NCEA	www.nzqa.govt.nz/students
	www.nzqa.govt.nz/learner-login
CAREERS ADVICE	www.careers.govt.nz
STUDY SKILLS	www.studyit.org.nz

