



LEVEL 3

2025 Course Outlines



What is NCEA?

In 2025, Year 11, 12 and 13 students will be working towards the qualification called NCEA, which stands for National Certificate of Educational Achievement.

There will be three levels:

Level 1 NCEA
Level 2 NCEA
Level 3 NCEA

All students will enter for the NCEA qualification in those subjects where they have followed an NCEA course throughout the year.

Helpful links to explain NCEA

- Literacy and numeracy co-requisites [Click Here](#)
- [Video explaining NCEA](#)
- [Brochure explaining NCEA](#)
- [NCEA Endorsements](#)

Gaining NCEA

NCEA Level One	60 credits at any Level (1, 2 or 3) + 10 Literacy and 10 Numeracy credits
NCEA Level Two	60 credits at Level 2 or above + 10 Literacy credits and 10 Numeracy credits.
NCEA Level Three	60 credits at Level 3 or above + 10 Literacy credits and 10 Numeracy credits.

Literacy and numeracy in the NCEA journey

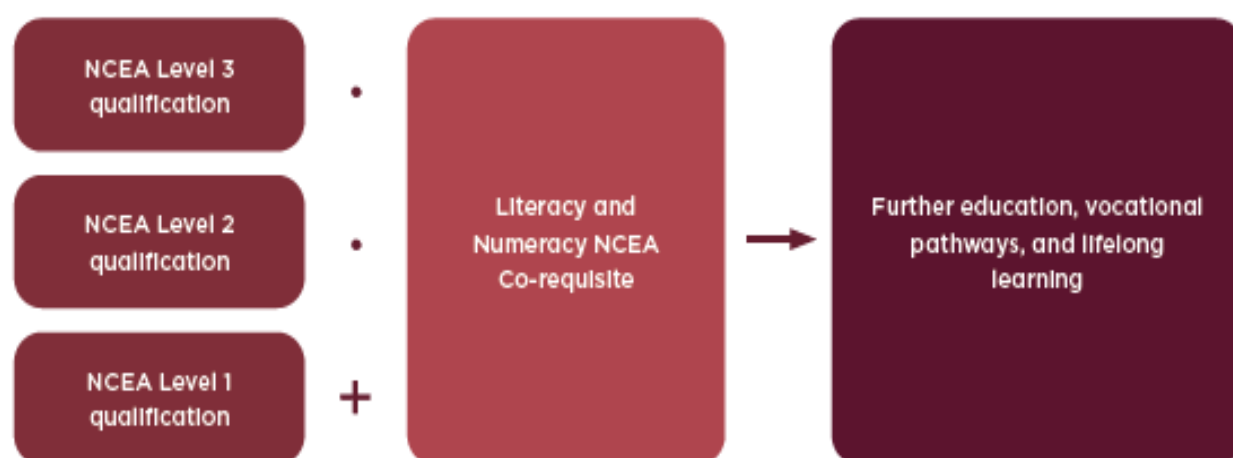
Students need to show that they have foundational reading, writing and numeracy skills to gain an NCEA qualification. This is also known as the NCEA Co-requisite.

While students can still progress through their NCEA journey, they must achieve the literacy and numeracy co-requisite to gain NCEA.

Students can achieve the requirements **any time** throughout their NCEA journey.

Students can try to achieve the requirements **many times** throughout their NCEA journey.

Students need to meet literacy and numeracy requirements **once only**.



During the transitional period, 2024-2025, the NCEA Literacy and Numeracy Co-requisite can be achieved by:

COMMON ASSESSMENT ACTIVITIES (CAAs)

- › Teachers will organise these online assessments for students.
- › Students can sit these reading, writing and numeracy assessments in any year from Year 9 onwards, at a time when they are ready.

Or

ACHIEVING 10 LITERACY CREDITS AND 10 NUMERACY CREDITS FROM A LIST OF APPROVED STANDARDS.

- › Talk to your school about what choices of literacy and numeracy standards are available.

- › Credits achieved towards the co-requisite cannot be used to count toward another subject area.
- › From 2026, the Common Assessment Activities will be the only English-medium co-requisite option.

Endorsement of National Certificates in Educational Achievement (NCEA)

50 credits at Excellence to gain an NCEA endorsed with Excellence

50 credits at Merit (or Merit and Excellence), to gain an NCEA endorsed with Merit.

Course Endorsement Certificates in Educational Achievement (NCEA)

For a Course Endorsement a student will need to achieve at least 14 credits at Merit or Excellence in a particular subject (regarded as a course by NZQA) and at a specific level. Credits will be needed from both internal and external assessments (minimum of 3 credits from both internal and external assessments)

More information on the details can be found on the NZQA website www.nzqa.govt.nz and follow the links for NCEA.

Sancta Maria College Academic Honours

In Term 1 at the start of every academic year we celebrate our student's academic achievements with a prestigious Academic Honours badge ceremony. This is where each child who has achieved the following in their NCEA results will be awarded a badge to match their outstanding NCEA achievement.

NCEA Level 1 Academic Honours - GOLD	50 credits at Excellence at the level of the certificate or above
NCEA Level 1 Academic Honours - SILVER	50 credits at Merit (or Merit and Excellence) at the level of the certificate or above
NCEA Level 2 Academic Honours - GOLD	50 credits at Excellence at the level of the certificate or above
NCEA Level 2 Academic Honours - SILVER	50 credits at Merit (or Merit and Excellence) at the level of the certificate or above
NCEA Level 3 Academic Honours - GOLD	50 credits at Excellence at the level of the certificate or above
NCEA Level 3 Academic Honours - SILVER	50 credits at Merit (or Merit and Excellence) at the level of the certificate or above

Sancta Maria College Academic Honours

NCEA Level 1 Academic Honours SCHOLARS BADGE	= Minimum FOUR SUBJECTS with Excellence Endorsement Students will gain an endorsement for a course if, in a single school year, they achieve: 14 or more credits at Excellence, and at least 3 of these credits from externally assessed standards and 3 credits from internally assessed standards.
NCEA Level 2 Academic Honours SCHOLARS BADGE	= Minimum FOUR SUBJECTS with Excellence Endorsement Students will gain an endorsement for a course if, in a single school year, they achieve: 14 or more credits at Excellence, and at least 3 of these credits from externally assessed standards and 3 credits from internally assessed standards.
NCEA Level 3 Academic Honours SCHOLARS BADGE	= Minimum FOUR SUBJECTS with Excellence Endorsement Students will gain an endorsement for a course if, in a single school year, they achieve: 14 or more credits at Excellence, and at least 3 of these credits from externally assessed standards and 3 credits from internally assessed standards.

Students will gain an endorsement for a course if, in a single school year, they achieve: 14 or more credits at Excellence, and at least 3 of these credits from externally assessed standards and 3 credits from internally assessed standards.



Level 3 Senior Subject Chart

Year 13 – Level 3	Code	Year 13 – Level 3	Code
Religious Education*	13RED	Mathematics - Calculus *	13MAC
Accounting *	13ACC	Mathematics -Statistics and Modelling *	13MAS
Art – Design*	13ARD	Mathematics – General	13MAT
Art – Painting*	13ARP	Media Studies*	13MED
Art – Photography*	13APH	Music*	13MUS
Art – Sculpture*	13ASC	Physical Education Studies*	13PES
Biology *	13BIO	Physics *	13PHY
Business Studies*	13BUS	Travel and Tourism – Semester 1 only	13TTM
Chemistry *	13CHE	Technology - Design and Visual Communication*	13DVC
Classical Studies *	13CLS	Choose only one of the following	Code
Digital Technologies*	13DTG	Technology – multi-materials*	13THM
Drama*	13DRA	Technology – Food*	13TFM
Economics*	13ECO	Technology – Textiles* (Semester 1)	13FAD
English*	13ENG		
English Alternative*	13ENA	Total number of subjects at L3 = 6	
English EAP	13EAP		
Geography*	13GEO	1 compulsory	
Art History *	13ARH	5 option choices	
Hospitality – Semester 2 only	13HOS	Compulsory Subjects	
Japanese*	13JPN	Religious Education	

RELIGIOUS EDUCATION NCEA Level 3

Prerequisite (What should I have already done?)

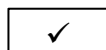
6 credits in Level 2 Religious Studies standards as a minimum.

RE is a compulsory subject (4 periods per 5-day cycle)

Who could tell me more?

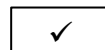
Mrs Maddison - HOD Religious Education

This course is assessed using:



Achievement Standards

This course is:



Internally assessed

What will I learn?

Topics covered will include:

- Ethical Issues
- Finding Meaning – Philosophy and Secularism
- Expressions of Religion in Aotearoa New Zealand

What are the course enhancement costs?

Retreat \$30

Digital online resource \$10

Education Perfect TBC

This course leads to:

A greater understanding of our Catholic faith and the meaning behind ritual and tradition.

AS	Title	Credits	Internal or External
AS90825	Analyse a religious tradition(s) in Aotearoa New Zealand	6	I
AS90826	Analyse the response of a religious tradition to a contemporary ethical issue	6	I
AS90827	Analyse the key beliefs of a religious tradition and a secular world view in relation to ultimate questions	6	I

AS = Achievement Standard

*Note: Religious Studies Standards **are** certified for University Entrance*

**This is only an indication of the assessments that may be covered in the course.
Final details will be given at the beginning of 2025.**

ACCOUNTING NCEA Level 3

Prerequisite (What should I have already done?)

Achieved at Level 2 NCEA and at the discretion of the HOD.

Who could tell me more?

Mrs Du Burgess – TIC Commerce
Ms Redwood – HOD Social Sciences

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will I learn?

- How to apply accounting concepts to practical examples
- Processing accounting information for companies
- Preparation of financial statements for companies
- Preparation of reports for management
- Understanding of management accounting for decision making
- Understanding of a job costing subsystem

What are the course enhancement costs?

Take home workbook: "ESA Accounting Learning Workbook Level 3". Approx. \$40.00 from Office Max online.

This course leads to:

Commerce related tertiary courses.

AS	Title	Credits	Internal or External
AS 91405	Demonstrate understanding of accounting for partnerships	4	I
AS 91406	Demonstrate understanding of company financial statement preparation	5	E
AS 91408	Demonstrate understanding of management accounting to inform decision-making	4	E
AS 91409	Demonstrate understanding of a job cost subsystem for an entity	4	I

AS = Achievement Standard

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ART- DESIGN NCEA Level 3

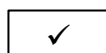
Prerequisite (What should I have already done?)

Passed Level 2 internal credits in Design. (*Note:* Where students have not attained internal credits from Level 2 Design, students will need confirmation of acceptance into Level 3 from Ms Turner)

Who could tell me more?

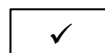
Ms Turner - HOD - Visual Art.

This course is assessed using:

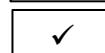


Achievement Standards

This course is:



Internally assessed



Externally assessed

What will I learn?

Research, analyse methods and ideas in design producing original work that shows extensive knowledge of design concepts and art making methods.

What are the course enhancement costs?

\$150.00, includes \$10 printing credit. A local trip cost of approximately \$20.00 paid at the time of the event.

This course leads to:

Degree courses in:
 Architecture
 Graphic Design
 Fine Arts
 Visual Arts
 Product and Industrial Design
 Spatial Design (Interior/Exhibition Design)
 Diploma courses in:
 Media Design
 Graphic Design
 Animation

AS	Domain	Title	Credits	Internal or External
AS 91445	Design	Use drawing to demonstrate understanding of conventions appropriate to design	4	I
AS 91455	Design	Produce a systematic body of work that integrates conventions and regenerates ideas within design	14	E

AS = Achievement Standard

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ART - PAINTING NCEA Level 3

Prerequisite (What should I have already done?)

Passed Level 2 external credits (folio) in Painting (*Note: Where students have not attained external credits from Level 2, students will need confirmation of acceptance into Level 3 from Ms Turner*)

Who could tell me more?

Ms Turner - HOD Art.

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will I learn?

Research, analyse methods and ideas in painting producing original work that shows extensive knowledge of painting concepts and art making methods.

What are the course enhancement costs?

\$140.00, includes \$20 printing credit. A local trip cost of approximately \$20.00 paid at the time of the event.

This course leads to:

Degree courses in:
 Architecture
 Graphic Design
 Fine Arts
 Visual Arts
 Product and Industrial Design
 Spatial Design (Interior/Exhibition Design)
 Diploma courses in:
 Media Design
 Graphic Design
 Animation

AS	Domain	Title	Credits	Internal or External
AS 91446	Painting	Use drawing to demonstrate understanding of conventions appropriate to painting	4	I
AS 91456	Painting	Produce a systematic body of work that integrates conventions and regenerates ideas within painting	14	E

AS = Achievement Standard

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ART - PHOTOGRAPHY NCEA Level 3

Prerequisite (What should I already done?)

Passed Level 2 external credits (folio) in Photography. (*Note: Where students have not attained credits from Level 2 Photography, students will need confirmation of acceptance into Level 3 from Ms Turner*)

Who could tell me more?

Ms Turner - HOD Art

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will I learn?

Research, analyse methods and ideas in photography producing original work that shows extensive knowledge of photographic concepts and art making methods.

What are the course Enhancement costs?

\$180.00 (includes \$30 DSLR camera bond). A local trip cost of approximately \$20.00 paid at the time of the event.

This course leads to:

Degree courses in:
 Architecture
 Graphic Design
 Fine Arts
 Visual Arts
 Product and Industrial Design
 Spatial Design (Interior/Exhibition Design)
 Diploma courses in:
 Media Design
 Graphic Design
 Animation

AS	Domain	Title	Credits	Internal or External
AS 91447	Photography	Use drawing to demonstrate understanding of conventions appropriate to photography	4	I
AS 91457	Photography	Produce a systematic body of work that integrates conventions and regenerates ideas within photography	14	E

AS = Achievement Standard

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ART - SCULPTURE NCEA Level 3

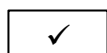
Prerequisite (What I should have already done?)

Passed Level 2 external credits (folio) in Art or Photography. (*Note: Where students have not attained external credits from Level 2 Art or Photography, students will need confirmation of acceptance into Level 3 from Ms Turner*)

Who could tell me more?

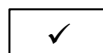
Ms Turner - HOD Art.

This course is assessed using:

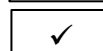


Achievement Standards

This course is:



Internally assessed



Externally assessed

What will I learn?

Research, analyse methods and ideas in Sculpture producing original work that shows extensive knowledge of sculptural concepts and art making methods.

What are the course enhancement costs?

\$200.00 (includes \$50 printing credit and \$30 DSLR camera bond).
A local trip cost of approximately \$20.00 paid at the time of the event.

This course leads to:

Degree courses in:
Architecture
Graphic Design
Fine Arts
Visual Arts
Product and Industrial Design
Spatial Design (Interior/Exhibition Design)
Diploma courses in:
Media Design
Graphic Design
Animation

AS	Domain	Title	Credits	Internal or External
AS 91449	Sculpture	Use drawing to demonstrate understanding of conventions appropriate to sculpture	4	I
AS 91459	Sculpture	Produce a systematic body of work that integrates conventions and regenerates ideas within sculpture	14	E

AS = Achievement Standard

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BIOLOGY

NCEA Level 3

Prerequisite (What should I have already done?)

- Level 2 Biology – a minimum of one Merit grade in either the Cells or Genetics external standards, as well as an Achieved grade in all other Level 2 external standards
- Level 2 English

Who could tell me more?

Mr Williamson - HOD Science

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will I learn?

- Animal behaviour and plant responses to the environment
- Patterns of evolution
- Trends in human evolution
- Homeostasis
- Biotechnology including techniques used in selective breeding cloning and/or transgenesis

What are the course enhancements costs?

Take home workbook approx. \$40 – ordered through Office Max online

Fieldtrips

- Auckland Zoo approx. \$35
- Auckland Museum approx. \$35

This course leads to:

Tertiary study involving Biology. For example, Medicine, Dentistry, Veterinary Science, Nursing and Physiotherapy.

AS	Title	Credits	Internal or External
AS91603 (UE Lit R/W)	Demonstrate understanding of the responses of plants and animals to their external environment	5	E
AS91604 (UE Lit R)	Demonstrate understanding of how an animal maintains a stable internal environment	3	I
AS91606 (UE Lit R/W)	Demonstrate understanding of trends in human evolution	4	E
AS91607 (UE Lit R)	Demonstrate understanding of human manipulations of genetic transfer and its biological implications	3	I
AS91602 (UE Lit R)	Integrate biological knowledge to develop an informed response to a socio-scientific issue	3	I

AS = Achievement Standard

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Final details will be given at the beginning of 2025**

BUSINESS STUDIES NCEA Level 3

Prerequisite (What should I have already done?)

Achieved NCEA
Level 2 HOD
discretion

Who could tell me more?

Mrs Du Burgess – TiC Commerce
Miss Whiteford
Ms Redwood – HOD Social Sciences

This course is assessed using:



Achievement Standards

This course is:



Internally assessed



Externally assessed

What will I learn?

- Carry out, with consultation, an innovative and sustainable business activity
- Develop a marketing plan for a new or existing product

What are the course enhancement costs?

- It is preferable that every student has access to their own electronic device (laptop).
- Students are required to contribute capital to fund their business activity (starting at \$20 and up to \$50 from each team member). Students also keep any profit made from their business after donating 10% to a charity of their choice.

This course leads to:

Commerce-related tertiary courses.

AS	Domain	Title	Credits	Internal or External
AS91382 (UE Lit R)	Business Studies	Develop a marketing plan for a new or existing product	6	I
AS91384 (UE Lit R)	Business Studies	Carry out, with consultation, an innovative and sustainable business activity	9	I

AS = Achievement Standard

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CHEMISTRY

NCEA Level 3

Prerequisite (What should I have already done?)

- Level 2 Chemistry – a minimum of one Merit grade as well as Achieved grades in all other Level 2 external standards
- Level 2 Mathematics

Who could tell me more?

Mrs Singh

Mr Williamson - HOD Science

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will I learn?

- About substances that dissolve in water and their properties
- About organic substances
- Properties of particles and thermochemical principles
- Spectroscopy
- Oxidation-Reduction reactions and electrochemical cells

What are the course enhancement costs?

Take Home Workbook approx. \$40 – ordered through Office

Max online

Lab coat approx. \$40 (optional)

This course leads to:

Tertiary study involving Chemistry. For example: Medicine, Engineering, Dentistry and Physiotherapy

AS	Domain	Title	Credits	Internal or External
AS91388	Chemistry	Demonstrate understanding of spectroscopic data in chemistry	3	Internal
AS91393	Chemistry	Demonstrate understanding of oxidation-reduction processes	3	Internal
AS91390	Chemistry	Demonstrate understanding of thermochemical principles and the properties of particles and substances	5	External
AS91391	Chemistry	Demonstrate understanding of the properties of organic compounds	5	External
AS91392	Chemistry	Demonstrate understanding of equilibrium principles in aqueous systems	5	External

AS = Achievement Standard

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Final details will be given at the beginning of 2025.**

CLASSICAL STUDIES

NCEA Level 3

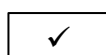
Prerequisite (What should I have already done?)

- At least **16** Level 2 Literacy credits
- An interest in learning more about the Ancient Roman World and how it continues to impact us today.

Who could tell me more?

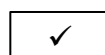
- Ms Redwood – HOD Social Sciences

This course is assessed using:

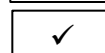


Achievement Standards

This course is:



Internally assessed



Externally assessed

What will I learn?

Classical Studies is a multi-disciplinary subject, drawing on different topics from Politics, Religion, Philosophy, Art and Architecture, Sociology, History, English, and Science. In this course, we focus on the world of the Ancient Romans, their belief systems, innovations, behaviours, and lasting legacies.

- We will study the rise to power and reign of the first Roman Emperor: Caesar Augustus.
- We will analyse Roman art and architecture, and its influence on architectural forms in the USA and NZ.
- We will study aspects of Roman society and social beliefs, religion, culture, military strategies, and lasting legacies.
- We will critically analyse and draw conclusions from ancient historical primary sources.

What are the course enhancement costs?

No set course costs. However, an optional field trip may be possible if any special exhibitions, related to the Classical World, are presented in NZ during 2025. Students will be notified of costs in advance (approx. \$100), and these must be paid in full before participation on any field trip can proceed.

This course leads to:

Level 4 papers at a university and/or tertiary institute.

AS	Title	Credits	Internal or External
AS91396 (UE Lit R/W)	Analyse the impact of a significant historical figure on the classical world: Augustus	6	E
AS91395 (UE Lit R)	Analyse the significance of a work(s) of art in the Classical world	4	E
AS91397 (UE Lit R)	Demonstrate understanding of significant ideologies in the classical world	6	I
AS91398 (UE Lit R/W)	Demonstrate understanding of the lasting influence of the classical world on other cultures across time	6	I

AS = Achievement Standard

[Note: students who wish to gain 18 credits will not take AS91395].

[Note: students who wish to gain 16 credits will not take AS91396]

This is only an indication of the assessments that may be covered in the course.

Final details will be given at the beginning of 2025.

DIGITAL TECHNOLOGIES NCEA Level 3

Prerequisite (What should I have already done?)

12 credits in Level 2 Digital Technologies

Who could tell me more?

Mr Glasse - HOD Digital Technology

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will I learn?

In Level 3 Digital Technologies you will be required to develop a program using Python programming language. This will involve identifying a need, designing and testing your product and developing it to a final version. You will learn how to develop interactive websites as well as advanced Photoshop and InDesign.

What are the course enhancement costs?

Nil

This course leads to:

Tertiary courses in Computer Science, Multimedia, Animation and Software Development.

AS	Domain	Title	Credits	Internal or External
AS91906	Digital Technologies	Use complex programming techniques to develop a computer program	6	I
AS91900	Digital Technologies	Conduct a critical inquiry to propose a digital technologies outcome	6	I
AS91903	Digital Technologies	Use complex techniques to develop a digital media outcome	4	I
AS91909	Digital Technologies	Present a reflective analysis of developing a digital outcome	3	E

AS = Achievement Standard

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DRAMA

NCEA Level 3

Prerequisite (What should I have already done?)

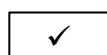
Level 2 Drama or approval granted by Drama HOD

Who could tell me more?

Mrs Oliver - HOD Drama

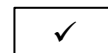
NZQA Website

This course is assessed using:

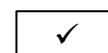


Achievement Standards

This course is:



Internally assessed



Externally assessed

What will I learn?

- Drama techniques, elements, conventions and processes
- Structure, record and perform devised drama
- Reviewing and evaluation of performance

What are the course enhancement costs?

- \$120.00 (Costume hire, theatre hire, props, lighting hire etc.)
- Theatre Shows & related costs, i.e., transport. Approx. \$25 p/show

This course leads to:

Tertiary Education

AS	Title	Credits	Internal or External
AS91513	Devise and perform a drama to realise a concept	5	I
AS91515 (UE Lit R)	Select and use complex performance skills associated with a drama form or period	4	I
AS91517 (UE Lit R)	Perform a substantial acting role in a significant production	5	I
AS91518 (UE Lit W)	Demonstrate understanding of live drama performance	4	E

AS = Achievement Standard

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Final details will be given at the beginning of 2025.

DANCE NCEA Level 3

Prerequisite (What should I have already done?)

Level 2 Drama or approval granted by Drama HOD

Who could tell me more? Mrs

Oliver - HOD Drama and Dance

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

What will I learn?

Dance helps us to build, explore, and take care of relationships. This whakawhanaungatanga is important for physical, emotional, and spiritual health, giving us a sense of belonging, community, and identity. Relationships are also built between performers and audiences through ihi, wehi, and wana. The values of vā, alofa, and manaakitanga also help to create a safe and respectful space where ākonga can feel comfortable to bring their whole selves when working together. Diverse identities, abilities, and roles are respected and celebrated, helping ākonga to value and learn from each other.

What are the course enhancement costs?

Apra, music and performance license, Live dance shows and transport to view shows, costumes, technologies (\$50)

This course leads to:

NCEA Level 3 Dance

AS	Title	Credits	Internal or External
AS91590	Perform a solo or duet dance	4	I
AS91591	OR Perform a group dance	4	I
AS91589	Choreograph a dance to develop and resolve ideas	4	I
AS 91592	Perform a repertoire of contrasting dances	4	E

AS = Achievement Standard

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Final details will be given at the beginning of 2025.**

ECONOMICS- 13ECO NCEA Level 3

Prerequisite (What should I have already done?)

Students can enter Level 3 Economics at the discretion of the TiC of Commerce and the HOD of Social Sciences, who will take into consideration their other Level 2 results.

Who could tell me more?

Mrs Du Burgess – TiC Commerce / Miss Whiteford / Ms Redwood – HOD Social Sciences

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will I learn?

- Free market's role in the efficient allocation of resources
- How different market structures impact the efficient allocation of resources using marginal analysis
- Using economic models to analyse micro-economic concepts
- Government interventions to correct market failure

What are the course enhancement costs?

- Take home workbook: "Understanding Economics Level 3
ESA Level 3 Economics Learning Workbook

This course leads to:

Commerce related tertiary courses.

AS	Title	Credits	Internal or External
AS91399 (UE Lit R/W)	Demonstrate understanding of the efficiency of market equilibrium	4	E
AS91400 (UE Lit R/W)	Demonstrate an understanding of the efficiency of different market structures using marginal analysis	4	E
AS91401 (UE Lit R)	Demonstrate understanding of micro-economic concepts	5	I
AS91402 (UE Lit R)	Demonstrate understanding of government interventions to correct market failures	5	I

AS = Achievement Standard

**This is only an indication of the assessments that may be covered in the course.
Final details will be given at the beginning of 2025.**

ENGLISH –13ENG NCEA Level 3

Prerequisite (What should I have already done?)

Level 2 English. All Level 2 internal assessments for English submitted. At least 14 credits from 12ENG including TWO externals.

Who could tell me more?

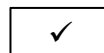
Ms Carol Du-Blom - HOD English or your English teacher

This course is assessed using:

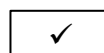


Achievement Standards

This course is:



Internally assessed



Externally assessed

What will I learn?

- How to study, appreciate and analyse a variety of literary texts.
- How to respond critically to a wide variety of unfamiliar texts.
- How to research and draw substantiated conclusions and judgements using critical texts.
- How to write detailed analytical essays.
- How to write effectively in a variety of genres.

What are the course enhancement costs?

Getting Familiar with the Unfamiliar 3 workbook ordered from Office Max online approx \$25.
Optional Theatre trip \$25

This course leads to:

Level 3 English Scholarship;
tertiary study

AS	Domain	Title	Credits	Internal or External
AS91472 (UE Lit R/W)	English	Respond critically to specified aspects of studied written texts	4	E
AS91474 (UE Lit R/W)	English	Respond critically to significant aspects of unfamiliar written texts	4	E
AS91475 (UE Lit W)	English	Produce a selection of fluent and coherent writing	6	I
AS91479 (UE Lit R)	English	Develop and informed understanding of literature using critical texts	4	I

AS = Achievement Standard

**This is only an indication of the assessments that may be covered in the course.
Final details will be given at the beginning of 2025.**

ENGLISH ALTERNATIVE–13ENA NCEA Level 3

Prerequisite (What should I have already done?)

At least 8 credits in Level 2 English

Who could tell me more?

Ms Carol Du Blom - HOD English or your English teacher

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will I learn?

- How to study, appreciate and analyse a variety of literary texts.
- How to respond critically to a wide variety of unfamiliar texts.
- How to research and draw substantiated conclusions and judgements using critical texts.
- How to write detailed analytical essays.
- How to write effectively in a variety of genres.

What are the course enhancement costs? Nil

This course leads to:

University study

AS	Title	Credits	Internal or External
AS91472 (UE Lit R/W)	Respond critically to specified aspects of studied written texts	4	E
AS91475 (UE Lit W)	Produce a selection of fluent and coherent writing	6	I
AS91478	Respond critically to significant connections across texts	4	I
AS91480	Respond critically to significant aspects of visual text through close reading	3	I

AS = Achievement Standard

**This is only an indication of the assessments that may be covered in the course.
Final details will be given at the beginning of 2025.**

ENGLISH FOR ACADEMIC PURPOSES – 13EAP UE Literacy

Who is this course for?

This course is for students who are working towards UE literacy in Year 13. It is designed to prepare students for the literacy demands of university. It is an ideal course for international students, or for any student who recognises that their literacy skills need strengthening to be successful in their tertiary studies.

Who could tell me more?

Mrs Price (HOD)

This course is assessed using:

Unit Standards

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will I learn?

Term 1 focuses on the development of reading skills, such as finding literal, inferential and implied meanings of texts; evaluating information within texts; tabulation of information etc. In Term 2, students put these skills into practice as they undertake a research project. Term 3 focuses on writing skills (for example, organisation of ideas; control of sentences; use of connectives to create cohesion, etc.) as students prepare their research reports. The year closes with students presenting their research findings. Vocabulary extension is an ongoing focus for students also.

What are the course enhancement costs?

Nil

This course leads to:

University Entrance literacy requirements

US / AS	Title	Credits	Internal or External
EAP22751 (UE Lit R)	Read and process information in English for an academic purpose	6	I
AS 91105 (UE Lit R/W)	Use information literacy skills to form developed conclusions	4	I
EAP22750 (UE Lit W)	Write a crafted text for a specified audience using researched material in English for an academic purpose	6	I
EAP22891	Deliver an oral presentation in English for an academic purpose	5	I

AS = Achievement Standard; US= Unit Standard

**This is only an indication of the assessments that may be covered in the course.
Final details will be given at the beginning of 2025.**

GEOGRAPHY

NCEA Level 3

Prerequisite (What should I have already done?)

Students can enter Level 3 Geography without completing Level 1 or 2 courses, at the discretion of the TiC of Geography and the HOD of Social Sciences, who will take into consideration their other Level 2 results.

Who could tell me more?

Mr Rimamate / Ms Redwood – HOD Social Sciences

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will I learn?

Geography is the study of how people interact with the natural and cultural environment. People study Geography as they want to learn more about societies, environments, landscapes, and places of our world; they want to have knowledge and understanding as the basis for informed choices about the earth and its peoples; and they are keen to learn and develop a wide range of skills for future employment.

The Level 3 Geography programme covers:

- The cultural process of tourism development will be studied in Rotorua.
- The opportunity for students to carry out and present geographic research in consultation with their teacher.
- An understanding of selected geographic issues of local and global significance.

What are the course enhancement costs?

A field trip to an appropriate location may be undertaken. The cost will be no more than \$350. The cost of the field trip must be paid in full, prior to the date of the trip.

This course leads to:

Tertiary study. Level 3 Geography is a university-approved, language-rich subject.

AS	Title	Credits	Internal or External
AS91427 (UE Lit R/W)	Demonstrate understanding of how a cultural process shapes geographic environment(s)	4	E
AS91430	Geographic research with consultation	5	I
AS91431 (UE Lit R)	Analyse aspects of a contemporary geographic issue	3	I
AS91428	Analyse a significant contemporary event from a geography perspective	3	I

AS = Achievement Standard

**This is only an indication of the assessments that may be covered in the course.
Final details will be given at the beginning of 2025.**

ART HISTORY NCEA Level 3

Prerequisite (What should I have already done?)

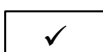
At least 16 Level 2 Literacy credits

An interest in learning more about the history of artworks and how to analyse visual materials and sources of information.

Who could tell me more?

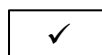
Ms Redwood – HOD Social Sciences

This course is assessed using:

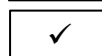


Achievement Standards

This course is:



Internally assessed



Externally assessed

What will I learn?

Art History is the study of art and its development throughout human history. It involves the analysis of visual arts such as painting, sculpture, architecture, and other forms of artistic expression. Art historians examine the social, cultural, political, and economic contexts in which art was created, as well as the lives of the artists and the techniques they used.

What are the course enhancement costs?

Where possible, students will go to Auckland Art Gallery and any other special exhibitions that might take place during the year. Students will be notified of costs in advance (approx. \$100), and these must be paid in full before participation on any field trip can proceed

This course leads to:

Level 4 papers at a university and/or tertiary institute.

A selection of four standards will be chosen from the following:

AS	Title	Credits	Internal or External
AS91482	Demonstrate understanding of style in art works	4	E
AS91483	Examine how meanings are communicated through art works	4	E
AS91484	Examine the relationship(s) between art and context	4	E
AS91485	Examine the impact of media and processes on art works	4	I
AS91487	Examine the different values placed on art works	4	I
AS91488	Examine the relationship(s) between a theory and art works	4	I

AS = Achievement Standard.

This is only an indication of the possible assessments that may be covered in the course. Further information on assessments will be finalised and given at the beginning of 2025.

HOSPITALITY - NCEA

Level 3

Semester 2 course only

Prerequisite (What should I have already done?)

Completed food courses in Years 11 or 12 Food Technology, including Gateway or Star courses. You are keen to develop culinary skills and explore hospitality, areas of cookery, food safety and beverages.

Who could tell me more?

MRS REHU

This course is assessed using:

- ✓ Unit Standards

This course is:

- ✓ Internally assessed

What will I learn?

You will leave Level 3 cookery – baking, gourmet sammies, and pasta cookery (other food experiences may be offered). You will carry out cooks, completion of workbooks and an open book written assessment that covers each of the course content areas.

What are the course enhancement costs?

\$120 to cover take-home component of each cook and includes packaging

This course leads to:

Manukau Institute of Technology – Certificate and Diploma Culinary qualifications – also at AUT Culinary Arts – Wellington and Otago also offer Tertiary Culinary Certificate and Diploma courses in Cookery.

US	Title	Credits	Internal or External
	Baking - Cakes - Pastry - Desserts	13	I
	Pasta	7	I
	Gourmet Sammies	6	I

US = Unit Standard

This is only an indication of the assessments that may be covered in the course.
Final details will be given at the beginning of 2025.

Travel and Tourism

NCEA Level 3 (1 Semester only)

Prerequisite (What should I have already done?)

Entry to this subject is at the discretion of the HOD Social Sciences. Literacy requirements of Level 2 NCEA are a minimum.

Who could tell me more?

Ms Redwood – HOD Social Sciences / Mrs Vickers

This course is assessed using:

Unit Standards

This course is:

Internally assessed

What will I learn?

Students look at the essential skills and knowledge needed for the travel and tourism industry, focusing on New Zealand, Australia and the South West Pacific. A study of the contribution and significance of tourism to world and New Zealand economies.

What are the course enhancement costs?

N/A

This course leads to:

The National Certificate in Travel and Tourism Introductory Skills in two years over Level 2 and 3. This is a nationally recognised certificate that provides direct links to tertiary training institutions.

US	Title	Credits	Internal or External
US3727	Demonstrate knowledge of Pacific Island countries as visitor destinations	5	I
US18211	Demonstrate knowledge of Australia as a tourist destination	5	I
US18212	Demonstrate knowledge of New Zealand as a tourist destination	8	I
US28126	Demonstrate knowledge of world geography, including the Pacific Islands and Australia, relevant to the travel industry	5	I

US = Unit Standard

**This is only an indication of the assessments that may be covered in the course.
Final details will be given at the beginning of 2025.**

JAPANESE NCEA Level 3

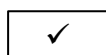
Prerequisite:

Gaining 15 Achieved credits in Level 2 Japanese or equivalent

Who could tell me more?

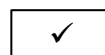
Ms Kevern - HOD Languages (Japanese)

This course is assessed using:

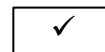


Achievement Standards

This course is:



Internally assessed



Externally assessed

What will I learn?

In a wide range of everyday situations (such as travel & tourism, workplace, communications & media and so on) through person-to-person interactions, social media platforms and digital tools:

- You will explore a range of linguistic skills in Japanese that will allow you to give, seek and receive advice; to express point of views, decisions, doubt, possibility and probability; to respond to requests; to discuss issues in detail; to describe and explain advantages and disadvantages in a spontaneous, interactive and socially competent manner.
- You will explore issues of mutual interest to Japan and New Zealand (for example, social, environmental and commercial issues).

What are the course enhancement costs

Education enhancement online resource \$23

Take homework book \$35 from OfficeMax online.

ALC Certificate 3 Japanese \$20

This course leads to:

Tertiary Courses at Universities
Japanese Language Proficiency
Test Level 4/3

There may be opportunity to be involved in a Sancta Maria College Study Tour/Short Term (Summer Holiday) and Reciprocal Exchange (*Student must be a student of Japanese during the Study Tour year or Exchange Year.*)

AS	Domain	Title	Credits	Internal or External
AS91553	Japanese	Demonstrate understanding of a variety of extended spoken Japanese texts	5	E
AS91554	Japanese	Give a clear spoken presentation in Japanese that communicates a critical response to stimulus material	3	I
AS91556	Japanese	Demonstrate understanding of a variety of extended written and/or visual Japanese texts	5	E
AS91557	Japanese	Write a variety of text types in clear Japanese to explore and justify varied ideas and perspectives	5	I

AS = Achievement Standard

**This is only an indication of the assessments that may be covered in the course.
Final details will be given at the beginning of 2025.**

MATHEMATICS - CALCULUS NCEA Level 3

Prerequisite (What should I have already done?)

In consultation with your Mathematics teacher, at least Merit endorsement at Level 2, which must include gaining at least Merit in AS91261 (Algebra), AS91257 (Graphs) and AS91262 (Calculus).

Who could tell me more?

Ms O'Carroll- HOD Mathematics and Statistics

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will I learn?

- Algebra
- Trigonometry
- Calculus; derivatives and integrals
- Real and complex numbers

What are the course enhancement costs:

Education online learning resource \$23. Take home workbooks ordered through OfficeMax, approximately \$30. Opportunity to purchase take home external examination revision booklets \$20.

This course leads to:

University courses such as Mathematics, Architecture, Biomedical Science, Engineering and Physics.

AS	Domain	Title	Credits	Internal or External
AS91575	Trigonometry	Apply trigonometric methods in solving problems	4	I
AS91577	Algebra	Apply the algebra of complex numbers in solving problems	5	E
AS91578	Calculus	Apply differentiation methods in solving problems	6	E
AS91579	Calculus	Apply integration methods in solving problems	6	E

AS = Achievement Standard

**This is only an indication of the assessments that may be covered in the course.
Final details will be given at the beginning of 2025.**

MATHEMATICS - STATISTICS AND MODELLING NCEA Level 3

Prerequisite (What should I have already done?)

At least a Merit endorsement in Level 2 Mathematics.

Who could tell me more?

Mr O'Carroll - HOD Mathematics and Statistics

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will I learn?

- Writing a time series and formal inference report
- Probability concepts
- Probability distributions
- Critical Path Analysis (optional)

What are the course enhancement costs:

Take home workbooks ordered through OfficeMax, approximately \$30. Education online learning resource \$23. Opportunity to purchase take home external examination revision booklet \$20

This course leads to:

University courses such as Mathematics, Applied Humanities, Biomedical Science, Commerce and Statistics, Computer Science

AS	Domain	Title	Credits	Internal or External
AS91580	Statistics	Investigate time series data	4	I
AS91582	Statistics	Use statistical methods to make a formal inference	4	I
AS91584	Statistics	Evaluate statistically based reports	4	E
AS91585	Probability	Apply probability concepts in solving problems	4	E

AS = Achievement Standard

This is only an indication of the assessments that may be covered in the course. Final details will be given at the beginning of 2025.

MATHEMATICS – GENERAL MATHEMATICS NCEA Level 3

Prerequisite (What should I have already done?)

Student has gained at least 14 credits at Level 2 from either 12MAS or 12MAT.

Who could tell me more?

Mr O'Carroll - HOD Mathematics and Statistics

This course is assessed using:



Achievement Standards

This course is:



Internally assessed



Externally assessed

What will I learn?

- Analysis of mathematical and statistical linear systems,
- Logistics
- Modeling of probability distributions

What are the course enhancement costs:

Take home workbooks ordered through OfficeMax, approximately \$30. Education online learning resource \$23. Opportunity to purchase take home external examination revision booklet \$20

This course leads to:

University courses such as Business and Finance, Education, Computer science, Mathematics and Statistics, Analytics

AS	Domain	Title	Credits	Internal or External
91574	Mathematics	Apply linear programming methods in solving problems	3	Internal
91576	Mathematics	Use critical path analysis in solving problems	2	Internal
91581	Statistics	Investigate bivariate measurement data	4	Internal
91587	Mathematics	Apply systems of simultaneous equations in solving problems	3	Internal
91586	Statistics	Apply probability distributions in solving problems	4	External

AS = Achievement Standard

This is only an indication of the assessments that may be covered in the course. Final details will be given at the beginning of 2025.

MEDIA STUDIES – 13MED NCEA Level 3

Prerequisite (What should I have already done?)

Gained 14 credits in Level 2 Media Studies including 4 credits from external examination. Students without Level 2 Media Studies but with strengths in Photography or English may apply for an exemption.

Who could tell me more?

Mrs Du-Blom - HOD English or your Media teacher

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will I learn?

- Critical understanding of how media is constructed and its effects on society
- How to design and product a media product from a brief
- Skills in the practical handling of technology used in the mass media
- The implications and effectiveness of various aspects of media

What are the course enhancement costs?

Take home SD cards \$15 and \$10 for Adobe Creative Cloud
Students will also require: USB memory stick

This course leads to:

Tertiary study

AS	Domain	Title	Credits	Internal or External
AS91491	Media Studies	Demonstrate understanding of the meaning of a media text through different readings	3	I
AS91493 (UE Lit)	Media Studies	Demonstrate understanding of a relationship between a media genre and society	4	E
AS91494	Media Studies	Produce a design for a media product that meets the requirements of a brief	4	I
AS91495	Media Studies	Produce a media product to meet the requirements of a brief	6	I

AS = Achievement Standard

**This is only an indication of the assessments that may be covered in the course.
Final details will be given at the beginning of 2025.**

MUSIC NCEA Level 3

Prerequisite (What should I have already done?)

You should have been learning the same instrument or singing for a minimum of 4 years (either through the itinerant scheme or outside school) and have Level 2 Music or approval from the Head of Music. This course includes both practical music and music theory. You will be required to read music and perform in front of an audience, as a soloist and in a group. The following will be offered as the basis of the Level 3 Music course, but other standards may be offered depending on individual student's strengths.

Who could tell me more?

Mr Gibbs - HOD Music

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will I learn?

- How to improve your performance as a soloist and in a group
- To further develop your composition skills and arrangement of music.
- How to analyse music whilst considering its context in the history of Music.
- How to use music technology software and hardware to enhance and edit Music.

What are the course enhancement costs?

Nil

This course leads to:

Tertiary Education

Whilst at least one external is compulsory, the other standards can be chosen to best suit the student.

AS	Title	Credits	Internal or External
AS91416	Perform two programmes of music as a featured soloist	8	I
AS91418	Demonstrate ensemble skills by performing two substantial pieces as a member of a group	4	I
AS91419	Communicate musical intention of composing three original pieces of music	8	I
AS91417	Perform a programme of music as a featured soloist on a second instrument	4	I
AS91421	Demonstrate understanding of harmonic and tonal conventions in a range of music scores	4	E
AS91423	Analyse a substantial music work	4	E
AS91424	Create two arrangements for an ensemble	4	I
AS91425	Research a music topic	6	I
US32305	Operate a Music notation application	4	I
US23730	Operate music sequencing, editing and music notation application(s)	8	I

AS = Achievement Standard; US = Unit Standard

**This is only an indication of the assessments that may be covered in the course.
Final details will be given at the beginning of 2025.**

PHYSICAL EDUCATION STUDIES (PHYSICAL EXERCISE SCIENCE)

NCEA Level 3 13PES

Prerequisite (What should I have already done?)

15 credits at Level 2 Physical Education Studies. Must have achieved AS91328 (2.2 “Demonstrate understanding of the application of biophysical principles to training for a physical activity”.)
Or 14 credits in Level 2 English or HOD discretion

Who could tell me more?

Mr Bali – TIC of 13PES, Mr James- HOD Health and Physical Education

This course is assessed using:

Achievement standards

Unit Standards

This course is:

Internally assessed

What will I learn?

- How to critically evaluate self and others in performance and critically evaluate a current event
- Evaluate physical activity experiences including an 8-week well-being programme (methods & principles of training, exercise physiology)
- How to appraise your own performance of a sporting skill and develop a plan for improvement (biomechanics, motor skill learning, anatomy)
- Analyse issues of safety management while on camp

What are the course enhancement costs?

\$170.00 This cost covers the 8-week professional netball coaching and student workbooks and 8-week lifelong well-being experiences

Additional costs: Outdoor Education camp \$615.00. This will be confirmed in 2025.

This course leads to:

Tertiary Physical Education courses and careers in health science, fitness, recreation, sporting or outdoor pursuits, teaching, coaching, event management.

AS/US	Domain	Title	Credits	Internal or External
AS91499	Physical Education	Analyse a physical skill performed by self or others	3	I
AS91501	Physical Education	Demonstrate quality performance of a physical activity in an applied setting	4	I
AS91498	Physical Education	Evaluate physical activity experiences to devise strategies for lifelong wellbeing	4	I
AS91504	Physical Education	Analyse issues in safety management for outdoor activity to devise safety management strategies	3	I
ACHIEVEMENT STANDARD TOTAL CREDITS: 14				
US28516	Outdoor Recreation	Prepare for, participate in, and evaluate an outdoor experience as a member of a group	15	I

UNIT STANDARD TOTAL CREDITS: 15

This is only an indication of the assessments that may be covered in the course. To be confirmed in 2025.

PHYSICS

NCEA Level 3 13PHY

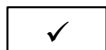
Prerequisite (What should I have already done?)

- Level 2 Physics – a Merit grade in either the Mechanics or Electricity Achievement Standards are required. Also an Achieved grade in all the other Level 2 standards is desirable.
- Level 2 Mathematics should have been successfully completed. The study of Level 3 Calculus is an advantage and for those considering Scholarship, this is a necessity.

Who could tell me more?

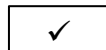
Mr Williamson - HOD Science, Mr Johnson or Mr Mack

This course is assessed using:

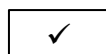


Achievement Standards

This course is:



Internally assessed



Externally assessed

What will I learn?

- Wave systems
- Mechanics
- Electricity
- Modern Physics

What are the course enhancement costs?

Workbook approx. \$30 – ordered through Office Max

This course leads to:

Tertiary study involving Physics. For example, Civil Engineering, Mechanical Engineering, Electrical Engineering Medicine and Physiotherapy

AS	Domain	Title	Credits	Internal or External
AS91523	Physics	Demonstrate understanding of wave systems	4	E
AS91524	Physics	Demonstrate understanding of mechanical systems	6	E
AS91526	Physics	Demonstrate understanding of electrical systems	6	E
AS91525	Physics	Demonstrate understanding of modern physics	3	I

AS = Achievement Standard

**This is only an indication of the assessments that may be covered in the course.
Final details will be given at the beginning of 2025.**

TECHNOLOGY – DESIGN AND VISUAL COMMUNICATION (Graphics)

NCEA Level 3 13DVC

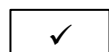
Prerequisite (What should I have already done?)

Level 2 DVC

Who could tell me more?

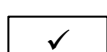
Mrs Rehu HoD of Technology or Mr Weijermars

This course is assessed using:

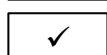


Achievement Standards

This course is:



Internally assessed



Externally assessed

What will I learn?

This course is for students who have an interest in design using drawing and modelling media (including computer aided design CAD) to find innovative solutions to architectural, environmental, technological, engineering, media and technical illustration opportunities. Students will learn to use design and drawing standards, applying presentation and the use of graphic media to units of work. Units of work are presented in the form of a portfolio, researching information related to a given need or opportunities and presenting a solution in the form of drawings, models and products.

What are the course enhancement costs?

\$50 which includes take home components as developed and used in class from school provided DVC resources

This course leads to:

- Architectural and industrial design
- Environmental and media design
- Product and packaging design
- Drafting and computer aided design (CAD)

AS	Domain	Title	Credits	Internal or External
AS91627	Design & Visual Communication	Initiate design ideas through exploration	4	E
AS91628	Design & Visual Communication	Develop a visual presentation that exhibits a design outcome to an audience	6	I
AS91630	Design & Visual Communication	Resolve a product design through graphic practice	6	I

AS = Achievement Standard

This is only an indication of the assessments that may be covered in the course. Final details will be given at the beginning of 2025.

TECHNOLOGY – FASHION AND DESIGN - FAD NCEA Level 3

Prerequisite (What should I have already done?)

Level 1 or 2 Technology, Art or DVC are an advantage but not essential.

It would also be an advantage to have completed any of the other Technology courses.

A passion for design, fashion, interior design, textiles and / or craft creations.

This is a Semester 1 course only (Terms 1 and 2).

Who could tell me more?

Mrs Rehu - HOD Technology

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will this course include?

- Creating independent fashion designs
- Fashion illustrations for male and female garments (portfolio sketches)
- Develop, implement and evaluate a one-off fashion solution for a client / target market
- Adapt, modify, create pattern pieces from commercial or own pattern
- Choose and explain the best techniques and processes to use in the design and construction of your chosen garment

What are the course enhancement costs?

\$70.00 for consumables. **Students will also be responsible for supplying their own patterns and fabric during this course.**

This course leads to:

Tertiary study at MIT, AUT, Massey University (Wellington), Otago University, Whitecliffs School of Design, SewTech (Manukau), Wintec (Fashion Design)

AS	Domain	Title	Credits	Internal or External
AS91611 3.4	Generic Technology	Develop a prototype considering fitness for purpose in the broadest sense	6	I
AS91626 3.26	Generic Technology	Draft a pattern to interpret a design for a garment	6	I
AS91613 (UELitW) 3.6	Generic Technology	Demonstrate understanding of material development	4	E

AS = Achievement Standard

This is only an indication of the assessments that may be covered in the course. Final details will be given at the beginning of 2025.

TECHNOLOGY – FOOD TECHNOLOGY- TFM NCEA Level 3

Prerequisite (What should I have already done?)

An interest in food design, product development and nutrition is expected. You must have studied in the Technology learning area at Level 1 or Level 2. The Technology Standards require knowledge of the Sciences – Chemistry and/or Physics, and Mathematics.

Who could tell me more? Mrs Rehu - HOD Technology

This course is assessed using:



Achievement Standards

This course is:



Internally assessed

What will I learn?

Food Technology: The development of a planned food product from ideation, concepts, testing & trialling, prototyping and situating the outcome will be expected. Research of this will be evident throughout the online portfolio development.

What are the course enhancement costs?

\$120.00 for on-site testing and trialling.

This course leads to: Technology Foods at Massey University (Palmerston North), Food Science degree at Auckland / Waikato / Otago University, MIT, AUT, Otago Polytechnic – Culinary Arts Degree.

AS	Title	Credits	Internal or External
AS91643	Implement complex procedures to process a specified product	4	I
AS91613	Demonstrate understanding of material development	4	E
AS91608	Undertake brief development to address an issue within a determined context	4	I
AS91611	Develop a prototype considering fitness for purpose in the broadest sense	6	I

AS = Achievement Standard

This is only an indication of the assessments that may be covered in the course. Final details will be given at the beginning of 2025.

TECHNOLOGY – MULTI MATERIALS TECHNOLOGY - THM NCEA Level 3

Prerequisite (What should I have already done?)

NCEA Level 2 Multi Materials Technology

Who could tell me more?

Mrs Rehu - HoD Technology

This course is assessed using:

Achievement Standards

This course is:

Internally assessed

Externally assessed

What will I learn?

This course builds on prior technological knowledge to further enhance skills for the building, construction and engineering industries. Elements of environment and industrial design including Computer Aided Design (CAD) will be introduced. Students learn Project Management Tools to help guide the students' project in terms of resources (people, time, materials and budget etc.).

What are the course enhancement costs?

\$120 which includes take home components used for modelling, testing and trialling, product development and construction.

This course leads to:

- Engineering
- Product design
- Carpentry and Building
- Environmental and Industrial design

AS	Domain	Title	Credits	Internal or External
AS91609	Technology - Generic	Undertake project management to support technological practice	4	I
AS9161	Technology - Generic	Develop a conceptual design considering fitness for purpose in the broadest sense.	6	I
AS91617	Technology - Generic	Undertake a critique of a technological outcome's design	4	E
AS91612	Technology - Generic	Demonstrate understanding of how technological modelling supports technological development.	4	E
AS91620	Construction & Mechanical Technologies	Implement complex procedures to create an applied design for a specific product.	4	I

AS = Achievement Standard

**This is only an indication of the assessments that may be covered in the course.
Final details will be given at the beginning of 2025.**

Note: Students can choose standards up to 18 credits maximum.
1 external standard must be included.



For more information contact:

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